

# Proposed Programme and Budget Estimates for 1967

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**OFFICIAL RECORDS  
OF THE  
WORLD HEALTH ORGANIZATION**

**No. 146**



**PROPOSED REGULAR PROGRAMME AND BUDGET  
ESTIMATES FOR THE FINANCIAL YEAR  
1 JANUARY - 31 DECEMBER 1967**

**WITH**

**PROPOSED PROGRAMMES AND ESTIMATED OBLIGATIONS  
UNDER OTHER AVAILABLE SOURCES OF FUNDS**

**WORLD HEALTH ORGANIZATION**

**GENEVA**

**December 1965**

The following abbreviations are used in the *Official Records of the World Health Organization* :

ACABQ	— Advisory Committee on Administrative and Budgetary Questions
ACC	— Administrative Committee on Co-ordination
CIOMS	— Council for International Organizations of Medical Sciences
ECA	— Economic Commission for Africa
ECAFE	— Economic Commission for Asia and the Far East
ECE	— Economic Commission for Europe
ECLA	— Economic Commission for Latin America
EPTA	— Expanded Programme of Technical Assistance
FAO	— Food and Agriculture Organization
IAEA	— International Atomic Energy Agency
ICAO	— International Civil Aviation Organization
ILO	— International Labour Organisation (Office)
IMCO	— Inter-Governmental Maritime Consultative Organization
ITU	— International Telecommunication Union
PAHO	— Pan American Health Organization
PASB	— Pan American Sanitary Bureau
TAB	— Technical Assistance Board
TAC	— Technical Assistance Committee
UNESCO	— United Nations Educational, Scientific and Cultural Organization
UNICEF	— United Nations Children's Fund
UNRWA	— United Nations Relief and Works Agency for Palestine Refugees in the Near East
UNSCEAR	— United Nations Scientific Committee on the Effects of Atomic Radiation
WFUNA	— World Federation of United Nations Associations
WMO	— World Meteorological Organization

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*LETTER OF SUBMITTAL AND AUTHORITY*

*In accordance with the requirements of the Constitution, the Director-General has the honour to submit the proposed programme and budget estimates of the Organization for the financial year 1 January to 31 December 1967.*

*M. G. CANDAU M. D.  
Director-General  
of the World Health Organization*



## INTRODUCTION

One of the primary objectives of the programme for 1967 is, as in preceding years, the control and, whenever possible, the final elimination of the major communicable diseases. It is becoming increasingly clear that the raising of the health standards of the people of the developing countries—an essential condition for their social and economic progress—depends on the extent to which they can rid themselves of the diseases which for centuries have been undermining their will to live and to work. Progress in this vital sector of world health points to the urgency of developing with great vigour two types of activity that the Organization has been pursuing since its inception: the strengthening of public health services in the developing countries, and the promotion of research on the widest possible international basis.

The programme proposed for 1967 for instance gives emphasis to the research activities undertaken in close relationship with the numerous centres and laboratories throughout the world on the genetics, physiology and biochemistry of insects. This work is expected to yield more knowledge of the behaviour of vectors of public health importance, so that effective weapons can be found against those which have developed or are developing resistance to insecticides. In addition to the search for new chemicals, biological control procedures designed to bring about a reduction of the insect population will be further investigated. This, we know, can be done in various ways: through the encouragement of predators, the use of irradiation, exposure to chemosterilants, or the systematic release of incompatible strains of insects.

The success already achieved against some vector-borne diseases should not blind us to the fact that integrated control planned on the basis of a thorough study of the entire ecology may be required to eliminate such public health hazards as malaria, yellow fever, haemorrhagic and dengue fever, onchocerciasis and filariasis. Every piece of information we shall be able to gather on the entire bio-system of the vector—its breeding and life cycle, its density and seasonal distribution—will help to bring it under effective control. Advances in ecology will also make it possible for us to arm ourselves against the deleterious effects on public health that may ensue from the far-reaching transformations of the environment that occur in such rapid succession: the opening up of new areas, changes of river systems, the building of dams, the construction of roads into hitherto inaccessible territories, as well as urbanization and industrialization. Ecology in its broadest sense is therefore becoming a basic element in the epidemiology and control of all vector-borne diseases.

\* \* \*

The global malaria eradication programme continues to make steady progress. Greater emphasis is being placed on the development of rural health services for supporting malaria eradication. The changing requirements of countries at different stages of their eradication programme are reflected in the budgetary provisions: a more substantial part of our available manpower is detailed to countries whose programmes are in the earlier phases of development, and those presenting special problems. Training of personnel through international training centres and at national training centres continues to receive high priority. Through regular meetings and exchange of information the Organization has been able to help in the achievement of substantial co-ordination in the development of national programmes. Co-ordinated plans are also being established covering groups of countries, with a view to solving problems of mutual interest, in Africa, the Americas and Asia. Increased research has been directed to problems having an immediate bearing on the world-wide malaria eradication programme.

\* \* \*

The time has come for WHO to face squarely the problem of smallpox. The urgent need for eliminating this disease as a world-wide hazard was unanimously recognized by the World Health Assembly in 1958 and by successive Assemblies since then. Despite the number of national programmes undertaken with assistance from WHO and bilateral sources, endemic foci persist in Asia, Africa and to a lesser extent in the Americas, and constitute permanent sources of infection for the rest of the world.

Unsatisfactory as the progress has been so far, the work carried out has had one important positive result. It has proved beyond doubt that there are no insurmountable technical problems in this field and that, through intensified systematic vaccination programmes, eradication can be achieved. The major cause of the failure of national operations has clearly been the lack of financial means to cover the cost of vaccine, personnel, and transport indispensable to a well-planned, methodical and sustained undertaking.

Fully conscious of the responsibilities laid upon the Organization by the Eighteenth World Health Assembly, which qualified the world-wide eradication of smallpox as "one of the major objectives of the Organization", I have prepared a comprehensive and, I believe, realistic plan for a greatly intensified and co-ordinated global effort to eliminate smallpox completely.

The twenty-five to thirty million dollars needed for the ten-year period represent an extremely modest expenditure if viewed against the vital objective this amount will help to achieve. Even in cold financial terms, it is small compared with the sums—estimated at between forty-three and seventy million dollars—that Europe and North America are now spending annually on maintenance vaccination for the protection of some 640 million people. Twenty-five to thirty million dollars is indeed a pitifully small sum when measured against the suffering and misery smallpox still causes in the world.

\* \* \*

The intensification of control and eradication operations against the communicable diseases calls for a widening of the scope and an improvement in the speed and accuracy of the surveillance systems on which the success of these activities depends. To do this, the operating units will need to take maximum advantage of the biomathematical expertise and other facilities available through the Division of Research in Epidemiology and Communications Science. At the same time, it should be possible to increase the store of serological and ecological information, and this in turn would help to adapt survey systems to greatly varying regional and national conditions. Both types of advance may eventually prove valuable in other areas, e.g. in human genetics and a number of non-communicable diseases.

\* \* \*

In his address to the Economic and Social Council in July 1965, the Secretary-General of the United Nations reiterated his belief that education and training in all fields remained a *sine qua non* for reducing the great disparities between the industrialized nations and the developing countries. A recent organizational study undertaken on this topic by WHO's Executive Board endorses U Thant's affirmation. Indeed, it identifies assistance in education and training as one of the priority needs of the newly-independent and emerging States.

The programme and budget proposed for 1967 clearly demonstrates WHO's continued concern in this vital aspect of international health work. Most of the projects planned for 1967 are either exclusively concerned with education or contain a strong educational component. This is particularly so in the African Region.

In Africa governments are very properly increasingly interested in having their health services staffed by their own nationals. Their interest is reflected in the heavier emphasis WHO is giving to assistance to existing medical schools and to the establishment of new ones in that region.

In Europe, emphasis will continue to be placed on the introduction of recent developments in medical sciences into undergraduate and post-graduate education and on the modernization of undergraduate teaching. On the post-graduate level, training in public health administration, a subject which has already found admittance in many European universities, will be further promoted through consultations and fellowships.

In the Western Pacific and South-East Asia Regions also an effort will be made to adjust current medical education to new developments in medical science and to the changing conditions, problems and needs of the community. High priority will continue to be given to the improvement of post-graduate and in-service public health training programmes.

A problem common to most countries is how to strike a fair balance in the teaching of curative and preventive medicine. Two promotional activities planned for 1967 reflect WHO's concern with this question. Ways are to be explored of implementing the recommendations of a consultant group for integrating preventive medicine aspects into textbooks of general medicine. A study will also be made of how to bring both the preventive and social elements to the teaching of clinical subjects.

In the Eastern Mediterranean, WHO will continue to encourage and support the creation of new medical schools—a movement which has yielded valuable results in the last few years. In addition to providing medical education, the schools will be encouraged to offer facilities for educational research, which should help in the adaptation of medical training to local needs and conditions.

The assistance to be given to the Institute of Parasitology, Tropical Medicine and Hygiene in Teheran and to a new School of Public Health in Antioquia, Colombia, also bears witness to the Organization's great interest in developing education in public health. Special reference should also be made to WHO's assistance to public health teaching at the University of Dakar, as well as the support to be given to a selected medical school in the African Region to provide facilities for undergraduate and post-graduate teaching of epidemiology and health statistics.

In 1967 an expert committee is to review the training and use of medical assistants and similar personnel. This is a problem of some urgency. The integration of specialized disease campaigns as well as the expansion of malaria pre-eradication activities make it imperative that solid and well-organized health services be established soon in the developing countries, not only in the main cities but also in the rural areas. This cannot be done unless health personnel, including auxiliaries, are available. In particular there is a pressing need for auxiliaries who can provide, under supervision and within an organized health service, a minimum of diagnostic, curative and preventive care for the most prevalent diseases.

The increase in assistance to old and new medical schools in 1967 is closely linked with a proposal contained in the present document to create a revolving fund for teaching and laboratory equipment. The issue was discussed by the Executive Board at its thirty-sixth session. While certain aspects of the problem appeared controversial, there was general agreement that the lack of such equipment severely hampered the functioning of newly established medical schools and thereby the development of a country's health service. Later in this introduction I shall refer to the budgetary implications of the proposal to be examined by the Executive Board at its thirty-seventh session and submitted to the Nineteenth World Health Assembly. I am confident that the Assembly will take positive action in this matter and thereby remove a great stumbling-block in the path of the under-privileged nations.

\* \* \*

Following the decision taken by the Eighteenth World Health Assembly, a number of activities initiated by WHO are to be expanded in 1967. One of them is related to the establishment of an international monitoring system of adverse drug reactions. The provision to Member States of rapid and adequate information in this field was considered a matter of great urgency by the Fifteenth World Health Assembly, and this view was

reconfirmed by the Executive Board and Health Assembly during the last three years. The systematic collection, evaluation and dissemination of all available data on adverse reactions to drugs is obviously a task that can only be carried out by an international organization such as WHO. It appears from the preliminary study that was undertaken at the request of the Eighteenth World Health Assembly that the first step is for WHO to set up a pilot project on the basis of records furnished by countries already operating their own monitoring systems. The main responsibility of the Organization in this project will be to find the methods for harmonizing linguistic and terminological differences as well as the clinical criteria used in the different national systems. Here the Organization will benefit from the mathematical competence and computing facilities of the Division of Research in Epidemiology and Communications Science. I have no doubt that this fundamental work will eventually develop into a broader international undertaking which could provide warnings of thalidomide-like emergencies and generally lead to a better understanding of drug therapy.

\* \* \*

Population dynamics and human ecology are other areas to be covered in greater depth by WHO in 1967. The two-fold problem of the expanding world population—growth of industrialization and urbanization on the one hand, and the need for exploiting the agricultural potentialities of many lands on the other hand—has obvious health implications. We must find methods and criteria for evaluating and also for predicting changes in morbidity and mortality resulting from the economic, social and cultural transformations which today are taking place in most countries of the world. A solid quantitative basis is indispensable if the nature and extent of current problems such as the health effects of rapid urbanization are to be assessed. Here too, the expanded research facilities of WHO in epidemiology and communications sciences should put at our disposal the mathematical tools required.

\* \* \*

A substantial number of the projects proposed for 1967 aim at improving public health administration—the very foundation of the protection and promotion of the health of the individual and of the community. In the Western Pacific, WHO's assistance will be extended to the development of general health services. In Laos this is taking the form of advisory services at the national and local levels. In other countries, such as the British Solomon Islands Protectorate and Malaysia, development of local health services will proceed hand in hand with malaria programmes. In Western Samoa assistance will be given to the strengthening of the district health services, the integration of public health and medical care services being particularly emphasized. In other countries, such as Cambodia, Korea and the Philippines, public health demonstration and training centre projects will serve as testing grounds for public health administration procedures and techniques for local application, in addition to serving as demonstration and field teaching areas. The maternal and child health team jointly sponsored by the South Pacific Commission and WHO has been so successful in helping to integrate maternal and child health work into the general health services that the project will be extended to 1967 so that the team can visit other countries and territories in the South Pacific area.

In the South-East Asia Region, efforts are to be continued towards the integration of malaria, smallpox and yaws programmes into the permanent basic health services. This is part of a long-term undertaking to be pursued in the Region during the years to come, i.e. to develop all basic health activities as one plan which will encompass *inter alia* medical care, maternal and child health, community water supply, communicable disease control, health education, and training related to these fields.

\* \* \*



In the broad field of environmental health, high priority will continue to be given in 1967 to the provision of adequate and safe water to more and more people in both urban and rural areas. Countries are to be assisted in the improvement of existing water schemes and the construction of new ones. All phases of the work—management, operation, maintenance and staffing—will be covered.

One important aspect of WHO's work to be further developed in future years is assistance to Members in the preparation of sound preliminary engineering and feasibility studies which, experience shows, make it possible to secure funds for the construction of waterworks from international and bilateral sources. It is hoped in particular that in addition to the United Nations Special Fund, at present making major contributions for the planning and design of water supplies for Accra, Calcutta and Istanbul, other sources can be made available for such projects, which are fundamental to social and economic development.

Plans for the provision of water supplies are generally accompanied by parallel efforts to solve another equally important public health problem: the satisfactory collection, treatment and disposal of wastes. The United Nations Special Fund/WHO-assisted projects in Accra, Calcutta and Istanbul, for instance, combine the two aspects. In 1966 a scientific group will deal with the most important aspects of the treatment and disposal of wastes, and provide the Organization with guidelines for the stimulation and promotion of basic research and developmental investigation in the field.

Two projects to be carried out in 1967 are of significance to WHO's pollution control programmes. A systematic study will be undertaken in selected countries where water pollution presents special problems, either because of a very low average annual rainfall or because the total annual rainfall is concentrated into a very short period. The second project is a study on environmental pollution associated with the production of energy: particular attention is to be paid to long-term effects and their economic importance.

A United Nations Special Fund/WHO-assisted project for Poland will continue in 1967. Studies and research will be undertaken to help protect the river waters of that country against pollution resulting from municipal and industrial effluents, saline mine drainage and waste energy from thermopower plants. It will be the first UNSF/WHO-assisted project in which recent advances in the science and technology of water pollution control will be mobilized to deal with this important problem.

\* \* \*

Several important programmes are scheduled for 1967 to support cancer control activities throughout the world. Detailed studies are to be undertaken on specific cancer sites, as a follow-up to the work carried out in the past few years in Israel on the same subject. The investigations on cancer of the oesophagus, which have so far covered high risk areas in Europe, Central Asia and South Africa, will be extended to Latin America. Epidemiological studies are to elucidate the role of environmental factors in Burkitt's tumour and other lymphomas as these conditions occur in Africa and in certain places in Latin America and New Guinea. A further study in 1967 should help determine the dietary factors in relation to stomach and intestinal tumours. These epidemiological studies will be carried out in close co-operation with the International Agency for Research on Cancer in Lyons which, by 1967, will be fully operating.

In 1967 we also hope to expand the network of national laboratories that are engaged in research on atherosclerosis, ischaemic heart disease and arterial hypertension. Comparative studies of these disorders as related to local conditions should enrich our understanding of their causative factors. The relatively low incidence of arterial hypertension at high altitude, for example, justifies the investigation at places of varying altitudes of all the factors that are involved in the regulation of blood pressure and in the etiology of hypertension. On the basis of the methods and techniques developed in 1965 for the clinical differential diagnosis of intra-cranial haemorrhage and brain infarctus, the studies begun in 1966 on contrasting areas in various cerebrovascular diseases will continue in 1967.

Increasing attention is to be paid during the year to the application of epidemiological methods to the study of nutritional diseases. The main objective is to devise effective measures for the prevention of malnutrition, particularly in young children. WHO will continue its assistance to institutes that are investigating the links between nutrition and infection. Co-ordinated research activities may yield interesting results regarding the etiology and pathogenesis of nutritional anaemias.

The creation in 1967 of a new unit of Gerontology and Chronic Non-communicable Diseases underlines the growing need to protect the health of the aging. During the same year, an expert committee will deal with the health problems of this section of the population, which, with the continuing retreat of the communicable diseases and the longer span of life, is constantly increasing in number. Chronic rheumatic diseases and diabetes mellitus are among the diseases to be further investigated during the year.

\* \* \*

The inclusion of the Division of Research in Epidemiology and Communications Science in the programme for 1967 constitutes an important landmark in the development of the work of the World Health Organization. It is the first major step to be taken by the Organization in an attempt to reduce the ever-widening gap between advances in science, particularly in mathematics and computer science, and their application to the increasingly complex medical and health problems of today. The tasks which are to be entrusted to the Division are in line with the decision taken by the World Health Assembly in 1958 to intensify international medical research in the common interest of all nations.

The Division is also a direct consequence of the resolution adopted in 1965 by the Eighteenth World Health Assembly, requesting the Director-General "to take the action necessary to develop WHO research activities and services in epidemiology and the application of communications sciences and the system of reference centres as a step for the extension of WHO activities in the field of health research". The plan of work for the Division, outlined in a background document to be submitted to the Executive Board at its thirty-seventh session and to the Nineteenth World Health Assembly, covers a variety of activities, all of which have this in common: they are not and could not be adequately or effectively carried out at national level. Indeed, all the matters to be dealt with by the Division are of a truly international nature, and its activities are geared to programmes with which WHO has been concerned for many years.

\* \* \*

The programme and budget proposed for 1967 calls for an effective working budget of \$47 242 000, representing an increase of \$4 800 000, or 11.31 per cent., over the approved level for 1966. The major part of this increase, an amount of \$3 200 806, is to ensure an orderly expansion of the normal activities of the Organization and to meet the costs of new activities in line with the decisions taken by the Eighteenth World Health Assembly. Of the latter, an amount of \$689 091 is budgeted to promote the research activities of the Organization, including new activities relating to research in epidemiology and communications sciences. To develop further the systematic collection, evaluation and dissemination of information on adverse drug reactions, an amount of \$70 279 has been provided. The strengthening of the services in health aspects of human reproduction involves an additional expenditure of \$83 506. An amount of \$37 461 is required to increase technical guidance and advisory services to countries engaged in smallpox eradication programmes. An initial credit of \$100 000 is proposed for the creation of a revolving fund for teaching and laboratory equipment for medical education and training.

Increases in salaries and related costs of established posts, including the WHO share of pension and staff insurance contributions, post adjustment payments, dependency allowances and other entitlements under the Staff Regulations and Rules, account for \$1 561 490 of the total increase.

The amount of \$2 400 400 required to finance the first-year operations in the proposed ten-year smallpox eradication programme has tentatively been included in the special account for this purpose under the Voluntary Fund for Health Promotion. It is however my duty to point out that at the time of preparation of the present document, the likelihood of obtaining such funds for the smallpox eradication programme appeared very slim indeed. In view of the urgent need to solve this great public health problem, the Executive Board and the World Health Assembly may wish to take more realistic and effective action by including the cost of the first-year eradication work in the regular budget for 1967. The effective working budget for that year would then total \$49 642 400—an increase of \$7 200 400, or 16.97 per cent., over the budget for 1966. Once the objective of the smallpox eradication programme is achieved, two courses of action will be open to the World Health Assembly. It may decide either to reduce the amount of the effective working budget or to devote similar amounts to finance programmes dealing with other major public health problems.

In considering the total amount of the effective working budget to be established for 1967, the Executive Board and the World Health Assembly will need to take account also of the budgetary implications for WHO, should the recommendations of the International Civil Service Advisory Board concerning the salaries and allowances of professional and higher categories of staff be implemented with effect from 1966. These budgetary implications will be presented to the Executive Board in separate documents.

A summary showing the number of posts and estimated obligations under all funds, broken down by major subject heading, is again this year appended to this introduction.



*Director-General*

Appendix. NUMBER OF POSTS AND ESTIMATED OBLIGATIONS UNDER

Regular Budget						Technical Assistance					
Number of posts			Estimated obligations			Number of posts			Estimated obligations		
1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967
			US \$	US \$	US \$				US \$	US \$	US \$
			699 070	674 200	711 000						
28	28	28	307 520	341 477	361 808						
99	95	102	1 667 876	1 771 529	1 793 543	7	7	8	129 545	131 773	132 213
17	21	25	249 209	430 930	445 730	101	92	89	1 967 899	1 799 597	2 372 103
76	73	70	1 018 440	1 079 528	1 080 170						
27	29	28	459 249	387 188	379 066						
58	60	60	842 443	930 221	930 376	8	6	5	95 401	80 030	67 053
33	34	31	731 460	715 486	653 835	10	10	10	170 095	175 285	166 859
9	9	11	640 100	658 031	684 279						
347	349	355	5 916 297	6 314 390	6 328 807	126	115	112	2 362 940	2 186 685	2 738 228
11	11	11	110 408	122 015	126 915						
14	15	19	156 918	212 741	264 589	29	28	25	390 795	409 677	382 539
3	3	4	57 301	79 872	87 510	2	2	2	37 969	50 467	44 309
11	10	7	139 430	141 024	157 718	19	20	28	273 562	307 339	344 924
2	2	2	28 516	31 092	32 882	2	2	3	6 200	6 200	11 200
8	6	6	108 955	79 695	88 220	14	18	12	163 630	222 441	159 070
11	11	12	167 258	195 402	206 949	6	6	5	67 412	99 150	115 288
			97 300	115 000	117 000				58 000	52 000	52 000
60	58	61	866 086	976 841	1 081 783	72	76	75	997 568	1 147 274	1 109 330
5	5	5	64 318	69 484	83 593						
2			33 810			11	11	10	193 032	152 986	160 014
2	1	1	65 146	18 712	20 684	2	2	2	42 730	42 249	56 444
			2 300	29 100							
					10 700						
3	4	2	48 872	50 049	30 166						
3	3	3	123 850	137 268	153 131						
15	13	11	338 296	304 613	298 274	13	13	12	235 762	195 235	215 458
6	7	7	68 538	108 945	107 210						
4	4	4	67 160	77 092	108 708						
3	3	3	46 948	59 941	72 952	1	1	2	15 796	22 576	51 365
4	4	3	49 216	74 323	79 552				7 200		
1		1	8 520	1 700	18 510						
2	2	6	23 406	29 034	105 489						
			97 000	102 500	132 500	14	5	7	256 930	102 700	80 400
20	20	24	360 788	453 535	624 921	15	6	9	279 926	125 276	131 765

ALL FUNDS, BROKEN DOWN BY MAJOR SUBJECT HEADING

	Voluntary Fund for Health Promotion					Other Extra-budgetary Funds			
	Number of posts			Estimated obligations			Estimated obligations		
	1965	1966	1967	1965	1966	1967	1965	1966	1967
			US \$	US \$	US \$	US \$	US \$	US \$	
<u>I. ORGANIZATIONAL MEETINGS</u>	---	---	---	---	---	---	---	---	---
<u>II. OPERATING PROGRAMME</u>									
<u>1. Activities relating to specific major subject headings</u>									
<b>MALARIA</b>									
Headquarters									
Field:									
Africa	3	3	6	173 921	316 675	672 583	71 000	75 000	65 000
The Americas	30	27	23	682 453	687 634	545 208	3 395 000	3 654 000	
South-East Asia		27	27	26 650	226 140	217 945	148 000	324 000	54 000
Europe				64 200	74 000	74 800	296 000	237 000	200 000
Eastern Mediterranean	1			244 200	206 000	155 000	1 679 000	1 115 000	
Western Pacific			5		32 000	148 827	117 000	35 000	20 000
Inter-regional and other programme activities	8	11	15	170 840	563 652	596 223			
<b>T o t a l</b>	<b>42</b>	<b>68</b>	<b>76</b>	<b>1 362 264</b>	<b>2 106 101</b>	<b>2 410 586</b>	<b>5 706 000</b>	<b>5 440 000</b>	<b>339 000</b>
<b>TUBERCULOSIS</b>									
Headquarters					8 100	8 100			
Field:									
Africa							14 000	17 000	23 000
The Americas							97 000		
South-East Asia							928 500	941 000	30 000
Europe							81 000	47 000	40 000
Eastern Mediterranean							175 000	276 100	
Western Pacific							167 000	225 200	400 200
Inter-regional and other programme activities			3	10 000	30 000	103 203			
<b>T o t a l</b>			<b>3</b>	<b>10 000</b>	<b>38 100</b>	<b>111 303</b>	<b>1 462 500</b>	<b>1 506 300</b>	<b>493 200</b>
<b>VENEREAL DISEASES AND TREPONEMATOSIS</b>									
Headquarters		3	3	2 400	50 676	47 011			
Field:									
Africa		3	3		41 110	84 875		18 000	18 000
The Americas		6	6		75 134	162 425			
South-East Asia		4	1		135 532	71 955			
Eastern Mediterranean		3	3		39 515	59 383			
Western Pacific		3	3		52 838	55 007	3 300	100 000	
Inter-regional and other programme activities		4	4		113 290	159 641			
<b>T o t a l</b>		<b>26</b>	<b>23</b>	<b>2 400</b>	<b>508 095</b>	<b>640 297</b>	<b>3 300</b>	<b>118 000</b>	<b>18 000</b>
<b>BACTERIAL DISEASES</b>									
Headquarters				1 000	8 400				
Field:									
Africa									
The Americas									
South-East Asia				10 800					
Eastern Mediterranean									
Western Pacific				132 124					15 000
Inter-regional and other programme activities				30 000	14 000	14 000			
<b>T o t a l</b>				<b>173 924</b>	<b>22 400</b>	<b>14 000</b>			<b>15 000</b>

Regular Budget						Technical Assistance					
Number of posts			Estimated obligations			Number of posts			Estimated obligations		
1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967
			US \$	US \$	US \$				US \$	US \$	US \$
9	15	15	126 578	206 758	202 111						
4	5	7	84 360	98 845	172 718	9	6	6	98 956	94 765	117 932
2	2	2	41 196	41 622	43 068		1	1	42 800	53 895	46 764
4	4	3	49 740	57 436	58 928	2	2	2	21 428	25 220	30 392
4	4	4	73 727	98 646	98 193	7	6	5	64 261	73 852	51 102
2	2	2	52 406	47 634	31 676	4			20 330		
4	4	4	183 900	276 077	293 793		2	5		32 000	70 000
<u>29</u>	<u>36</u>	<u>37</u>	<u>611 907</u>	<u>827 018</u>	<u>900 487</u>	<u>22</u>	<u>17</u>	<u>19</u>	<u>247 775</u>	<u>279 732</u>	<u>316 190</u>
15	15	21	175 436	201 900	289 926						
3	4	4	38 618	46 349	61 920	1	1		15 045	16 584	
			10 350		44 100	6	6	6	115 991	118 261	117 353
5	5	3	90 480	91 130	102 823	2	3	2	36 148	50 970	46 320
2	2	2	42 216	39 392	30 582	4	4	4	62 670	59 500	64 800
3	3	3	52 856	67 843	84 293	4	4	3	49 340	40 707	27 531
		2	16 500	15 600	54 578	1			12 000		
1	1	1	142 310	178 071	212 175						
<u>29</u>	<u>30</u>	<u>36</u>	<u>568 766</u>	<u>640 285</u>	<u>880 397</u>	<u>18</u>	<u>18</u>	<u>15</u>	<u>291 194</u>	<u>286 022</u>	<u>256 004</u>
5	5	5	65 458	69 264	72 523						
			16 850			1	1	4	8 627	13 962	64 598
3	2	2	63 399	47 532	128 445	1	1	1	52 096	17 240	34 056
11	11	9	168 300	185 680	165 415				4 000		
						1		1	1 600		3 000
1	1	1	18 325	17 145	27 732						
1	1		59 550	29 269	21 700	1	1	1	25 004	17 896	25 555
6	6	6	153 110	148 154	164 039						
<u>27</u>	<u>26</u>	<u>23</u>	<u>544 992</u>	<u>497 044</u>	<u>579 854</u>	<u>4</u>	<u>3</u>	<u>7</u>	<u>91 327</u>	<u>49 098</u>	<u>127 209</u>
9	9	9	107 898	117 644	127 103						
1	1	1	37 628	85 022	136 919	168	174	169	820 529	1 085 627	1 108 383
				3 600							3 600
				11 600							
			75 000	105 500	116 800						
<u>10</u>	<u>10</u>	<u>10</u>	<u>220 526</u>	<u>323 366</u>	<u>380 822</u>	<u>168</u>	<u>174</u>	<u>169</u>	<u>820 529</u>	<u>1 085 627</u>	<u>1 111 983</u>

	Voluntary Fund for Health Promotion					Other Extra-budgetary Funds			
	Number of posts			Estimated obligations			Estimated obligations		
	1965	1966	1967	1965	1966	1967	1965	1966	1967
			US \$	US \$	US \$	US \$	US \$	US \$	
<u>Activities relating to specific major subject headings (continued)</u>									
PARASITIC DISEASES									
Headquarters	6	3	83 120	18 500	47 196				
Field:									
Africa									
The Americas			23 800						
South-East Asia						23 000			
Eastern Mediterranean						129 000	76 000		
Western Pacific						28 000			
Inter-regional and other programme activities	6	18	6 000	183 256	349 142				
T o t a l	6	6	112 920	201 756	396 338	180 000	76 000		
VIRUS DISEASES									
Headquarters	3	3	2	60 910	75 097	95 121			
Field:									
Africa			10	5 600		625 423			
The Americas			8	5 280		701 865			
South-East Asia			5	12 246		774 828	199 000	199 000	
Europe							119 000	91 000	
Eastern Mediterranean			4			234 582	76 000	58 000	
Western Pacific							341 000	147 000	20 000
Inter-regional and other programme activities				100 500	109 500	80 000			
T o t a l	3	3	29	184 536	184 597	2 511 819	735 000	495 000	20 000
LEPROSY									
Headquarters	3	3		66 325	74 708				
Field:									
Africa			1		53 153	265 000	408 000	385 000	
The Americas			1	14 232	44 966	3 500			
South-East Asia			3	15 000	143 150	147 474	295 500	275 000	169 000
Europe							29 000		
Eastern Mediterranean					3 700	11 600			
Western Pacific						16 200	59 500	73 000	20 000
Inter-regional and other programme activities	28	28	2 500	1 135 378	1 131 320				
T o t a l	35	36	17 500	1 362 785	1 479 421	652 500	756 000	574 000	
VETERINARY PUBLIC HEALTH									
Headquarters			250	22 900	20 200				
Field:									
The Americas									
South-East Asia									
Europe									
Inter-regional and other programme activities				35 000	35 000				
T o t a l			250	57 900	55 200				

Regular Budget						Technical Assistance					
Number of posts			Estimated obligations			Number of posts			Estimated obligations		
1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967
			US \$	US \$	US \$				US \$	US \$	US \$
20	20	21	255 504	283 010	299 410						
64	70	77	948 000	1 195 922	1 310 357	155	137	120	2 475 929	2 125 385	1 854 720
27	28	28	834 841	909 265	980 551	143	138	154	2 554 486	2 820 151	3 133 163
56	59	60	800 827	856 166	956 319	16	12	18	198 290	197 459	253 248
16	16	21	265 226	313 681	343 368	15	12	17	175 410	156 383	191 337
46	51	51	654 425	727 352	756 951	36	35	41	431 840	510 419	604 511
36	42	44	622 349	733 831	752 643	11	13	13	161 325	176 082	225 980
13	13	13	271 058	276 798	284 138	13	15	13	156 750	200 000	175 000
<u>278</u>	<u>299</u>	<u>315</u>	<u>4 652 230</u>	<u>5 296 025</u>	<u>5 683 737</u>	<u>389</u>	<u>362</u>	<u>376</u>	<u>6 154 030</u>	<u>6 185 879</u>	<u>6 437 959</u>
53	53	53	570 000	604 874	637 803						
4	4	5	72 235	81 488	116 096	2	1	1	21 140	16 146	29 988
6	6	6	162 163	220 232	201 513	10	10	5	225 675	253 315	185 568
8	9	7	118 015	152 474	159 357	8	8	9	70 729	81 404	96 793
4	4	5	91 004	95 216	106 381	3	3	5	39 330	40 200	64 036
6	6	4	69 368	56 026	37 023	2	4	5	9 180	44 336	94 708
2	2	2	43 406	79 034	48 976	1	1	1	23 631	15 971	31 104
			29 600	14 000	22 000						
<u>83</u>	<u>84</u>	<u>82</u>	<u>1 155 791</u>	<u>1 303 344</u>	<u>1 329 149</u>	<u>26</u>	<u>27</u>	<u>26</u>	<u>389 685</u>	<u>451 372</u>	<u>502 197</u>
2	3	3	35 097	53 309	48 875						
			18 600	20 500	30 700	1	1	1	102 702	128 917	63 955
			14 550				2	3		23 894	54 601
			1 600	1 500	19 850						
1	1	1	28 288	34 031	21 619						
			21 400	32 050	19 300						
				20 000	40 000						
<u>3</u>	<u>4</u>	<u>4</u>	<u>119 535</u>	<u>161 390</u>	<u>180 344</u>	<u>1</u>	<u>3</u>	<u>4</u>	<u>102 702</u>	<u>152 811</u>	<u>118 556</u>
6	7	7	55 937	84 143	72 872						
24	30	31	326 303	456 309	485 697	13	12	13	167 067	241 087	291 682
11	10	10	232 760	214 227	207 615	25	27	30	401 149	506 455	554 915
14	15	13	207 161	192 456	232 963	14	14	18	186 241	175 816	251 504
7	7	7	121 046	118 965	101 413	4	3	3	60 787	60 500	88 000
19	21	23	201 859	307 669	332 686	14	11	10	108 553	119 619	123 818
12	10	11	175 509	164 299	246 305	14	9	10	156 056	141 457	159 262
			35 400	35 400	50 000		1			27 000	
<u>93</u>	<u>100</u>	<u>102</u>	<u>1 355 975</u>	<u>1 573 468</u>	<u>1 729 551</u>	<u>84</u>	<u>77</u>	<u>84</u>	<u>1 079 853</u>	<u>1 271 934</u>	<u>1 469 181</u>



	Voluntary Fund for Health Promotion					Other Extra-budgetary Funds			
	Number of posts			Estimated obligations			Estimated obligations		
	1965	1966	1967	1965	1966	1967	1965	1966	1967
			US \$	US \$	US \$	US \$	US \$	US \$	
<u>Activities relating to specific major subject headings (continued)</u>									
<b>PUBLIC HEALTH ADMINISTRATION</b>									
Headquarters			9 100	3 700	32 000				
Field:									
Africa						419 000	182 000	279 000	
The Americas						2 544 500	2 750 000	310 000	
South-East Asia						1 481 800	1 597 000	203 000	
Europe						742 000	517 000	478 000	
Eastern Mediterranean			10 500			1 324 000	218 000	32 000	
Western Pacific						213 000	138 000	412 000	
Inter-regional and other programme activities				7 000	20 000				
<b>Total</b>			<b>19 600</b>	<b>10 700</b>	<b>52 000</b>	<b>6 724 300</b>	<b>5 402 000</b>	<b>1 714 000</b>	
<b>VITAL AND HEALTH STATISTICS</b>									
Headquarters									
Field:									
Africa						34 000	150 000	136 000	
The Americas									
South-East Asia									
Europe									
Eastern Mediterranean									
Western Pacific									
Inter-regional and other programme activities									
<b>Total</b>						<b>34 000</b>	<b>150 000</b>	<b>136 000</b>	
<b>DENTAL HEALTH</b>									
Headquarters			10 200						
Field:									
The Americas									
South-East Asia									
Europe									
Eastern Mediterranean									
Western Pacific									
Inter-regional and other programme activities	2	2		50 414	33 891				
<b>Total</b>	<b>2</b>	<b>2</b>	<b>10 200</b>	<b>50 414</b>	<b>33 891</b>				
<b>NURSING</b>									
Headquarters			4 800	17 000	27 900				
Field:									
Africa									
The Americas						113 000	64 000	325 000	
South-East Asia									
Europe									
Eastern Mediterranean							22 000		
Western Pacific									
Inter-regional and other programme activities									
<b>Total</b>			<b>4 800</b>	<b>17 000</b>	<b>27 900</b>	<b>113 000</b>	<b>86 000</b>	<b>325 000</b>	

Regular Budget						Technical Assistance					
Number of posts			Estimated obligations			Number of posts			Estimated obligations		
1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967
			US \$	US \$	US \$				US \$	US \$	US \$
5	5	7	70 518	93 186	131 428						
			2 200	5 100			1	1		15 403	14 176
1	2	2	23 361	37 219	31 092	5	7	7	303 215	152 699	119 011
2	3	2	22 195	42 400	30 645	1	2	1	8 376	18 735	14 823
3	4	4	47 224	87 684	138 744	4	2	1	62 437	34 100	1 700
2	2	2	29 892	27 915	41 658	1	4	6	13 200	57 217	95 900
1	3	2	49 119	97 565	103 476	2	4	3	27 502	39 336	63 651
			32 500	37 000	85 600	1			43 000		
<u>14</u>	<u>19</u>	<u>19</u>	<u>277 009</u>	<u>428 069</u>	<u>562 643</u>	<u>14</u>	<u>20</u>	<u>19</u>	<u>457 730</u>	<u>317 490</u>	<u>309 261</u>
13	13	15	212 285	234 434	288 225						
				10 000		1		2	33 777	14 800	42 534
			2 200								
2	2	2	81 016	54 992	90 382	1	1		12 780	8 800	17 200
1	1	1	34 950	37 458	24 034	1	1	1		16 837	16 563
					20 500						
8	8	8	315 220	352 318	368 408						
<u>24</u>	<u>24</u>	<u>26</u>	<u>645 671</u>	<u>689 202</u>	<u>791 549</u>	<u>2</u>	<u>2</u>	<u>3</u>	<u>46 557</u>	<u>40 437</u>	<u>76 297</u>
4	4	4	58 127	73 586	62 607						
3	4	5	50 020	60 592	91 230	6	6	6	79 003	100 632	112 399
3	3	3	58 540	58 769	62 023				1 700	9 800	8 400
5	6	7	55 879	87 323	150 830	1	2	2	14 234	24 345	35 532
				3 900	9 100	3	2	2	25 700	23 100	21 700
2	2	2	19 426	26 108	34 588	1	4	3	15 206	35 071	39 951
4	4	5	98 485	142 364	124 597	1	1	1	13 935	14 685	29 767
				6 000	6 000						
<u>21</u>	<u>23</u>	<u>26</u>	<u>340 477</u>	<u>458 642</u>	<u>540 975</u>	<u>12</u>	<u>15</u>	<u>14</u>	<u>149 778</u>	<u>207 633</u>	<u>247 749</u>
9	10	13	108 122	109 152	164 093						
20	20	22	335 835	351 843	381 306	4	4	5	57 067	62 023	78 540
2	2	2	66 196	85 522	73 668	2	2	3	131 110	74 684	101 045
13	14	10	153 960	206 067	162 976	2	2	2	15 108	18 824	24 899
2	2	2	56 816	50 392	55 882	2	2	2	29 000	28 500	31 400
4	3	3	58 724	48 765	70 610	14	13	12	59 934	148 057	131 913
8	7	8	104 018	125 740	173 842	10	10	9	106 123	156 074	189 453
			2 200	40 000		1	1	1	21 200	22 270	22 360
<u>58</u>	<u>58</u>	<u>60</u>	<u>885 871</u>	<u>977 481</u>	<u>1 122 377</u>	<u>35</u>	<u>34</u>	<u>34</u>	<u>419 542</u>	<u>510 432</u>	<u>579 610</u>

	Voluntary Fund for Health Promotion						Other Extra-budgetary Funds		
	Number of posts			Estimated obligations			Estimated obligations		
	1965	1966	1967	1965	1966	1967	1965	1966	1967
			US \$	US \$	US \$	US \$	US \$	US \$	
<u>Activities relating to specific major subject headings (continued)</u>									
<b>SOCIAL AND OCCUPATIONAL HEALTH</b>									
Headquarters	2		3 200	37 854					
Field:									
Africa									
The Americas						8 000	6 500	6 500	
South-East Asia						26 000	26 000		
Europe									
Eastern Mediterranean						15 000			
Western Pacific									
Inter-regional and other programme activities				5 000					
<b>Total</b>	<b>2</b>		<b>3 200</b>	<b>42 854</b>		<b>49 000</b>	<b>32 500</b>	<b>6 500</b>	
<b>CHRONIC AND DEGENERATIVE DISEASES</b>									
Headquarters			42 800	63 600	99 700				
Field:									
The Americas									
South-East Asia									
Europe									
Eastern Mediterranean									
Western Pacific									
Inter-regional and other programme activities	4	4	5 000	98 190	84 560				
<b>Total</b>	<b>4</b>	<b>4</b>	<b>47 800</b>	<b>161 790</b>	<b>184 260</b>				
<b>HEALTH EDUCATION</b>									
Headquarters			1 600	14 200	30 400				
Field:									
Africa							38 000	24 000	
The Americas							38 000		
South-East Asia									
Europe									
Eastern Mediterranean									
Western Pacific						67 000	30 000	15 000	
Inter-regional and other programme activities				2 500					
<b>Total</b>			<b>1 600</b>	<b>16 700</b>	<b>30 400</b>	<b>67 000</b>	<b>106 000</b>	<b>39 000</b>	
<b>MATERNAL AND CHILD HEALTH</b>									
Headquarters			69 400	85 600	60 600				
Field:									
Africa						1 047 000	1 132 200	1 364 000	
The Americas						298 000	169 000	44 000	
South-East Asia						451 550	862 000	86 000	
Europe						400 000	440 000	425 000	
Eastern Mediterranean						89 000	463 000	567 000	
Western Pacific						721 500	826 300	611 000	
Inter-regional and other programme activities			71 650	150 500	171 500				
<b>Total</b>			<b>141 050</b>	<b>236 100</b>	<b>232 100</b>	<b>3 007 050</b>	<b>3 892 500</b>	<b>3 097 000</b>	

Regular Budget						Technical Assistance					
Number of posts			Estimated obligations			Number of posts			Estimated obligations		
1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967
			US \$	US \$	US \$				US \$	US \$	US \$
3	9	9	132 898	147 853	170 084						
		1	4 800	1 700	17 179						
			21 100	10 000	36 780	4	3	2	107 835	75 417	74 219
2	3	3	29 409	48 827	34 296				7 200	5 800	17 500
2	2	2	40 996	44 992	53 382	3	2	2	10,330	16 100	20 100
3	3	2	41 586	82 657	44 088	1	1		6 500	5 100	
3	4	3	82 815	87 964	103 078						
	2	2	23 800	105 808	105 626	2			50 000		
<u>18</u>	<u>23</u>	<u>22</u>	<u>377 404</u>	<u>529 801</u>	<u>564 513</u>	<u>10</u>	<u>6</u>	<u>4</u>	<u>181 865</u>	<u>102 417</u>	<u>111 819</u>
12	12	12	181 888	189 731	198 915						
15	19	20	183 557	233 328	277 183	3	3	3	40 955	47 822	50 598
4	4	3	106 663	140 642	183 645	179	181	188	1 419 025	1 574 020	1 696 241
3	3	3	53 568	65 072	74 124					5 800	
1	1	1	22 040	21 666	21 200						
5	5	6	60 726	78 487	108 263	3	3	4	38 500	33 510	46 524
3	5	6	36 800	90 659	93 285	1		1	19 197	4 300	22 023
			154 360	151 900	155 100	2	2	2	29 200	29 800	32 200
<u>43</u>	<u>49</u>	<u>51</u>	<u>799 602</u>	<u>971 485</u>	<u>1 111 715</u>	<u>188</u>	<u>189</u>	<u>198</u>	<u>1 546 877</u>	<u>1 695 252</u>	<u>1 847 586</u>
8	8	8	96 797	113 883	121 739						
			4 300	32 050	43 347	1	1	1	37 840	32 287	26 720
2	2	3	38 201	60 184	67 993	1	2	1	17 850	33 007	20 834
			10 000		2 500						
2	2	2	40 226	33 608	45 088	1	1		15 012	16 391	
1	1	1	27 477	30 754	27 171						
			166 900	129 700	120 000						
<u>13</u>	<u>13</u>	<u>14</u>	<u>383 901</u>	<u>400 179</u>	<u>427 838</u>	<u>3</u>	<u>4</u>	<u>2</u>	<u>70 702</u>	<u>81 685</u>	<u>47 554</u>
22	31	32	335 020	450 650	474 417						
15	15	15	230 102	257 238	293 084	12	13	14	697 352	231 061	286 770
3	3	3	116 225	135 979	130 442	75	77	79	1 644 328	1 797 275	1 749 787
8	8	9	159 044	164 817	196 188	4	4	3	363 834	375 399	57 345
5	5	5	75 777	90 390	110 037	7	7	13	540 100	895 542	856 373
10	11	12	220 255	190 932	271 149	11	7	8	113 883	94 490	135 106
8	10	8	126 222	211 354	212 214	7	6	6	102 764	113 151	120 024
1	8	8	188 675	325 118	369 195	11	4	4	163 100	79 000	68 000
<u>72</u>	<u>91</u>	<u>92</u>	<u>1 451 320</u>	<u>1 826 478</u>	<u>2 056 726</u>	<u>127</u>	<u>118</u>	<u>127</u>	<u>3 625 361</u>	<u>3 585 918</u>	<u>3 273 405</u>

	Voluntary Fund for Health Promotion						Other Extra-budgetary Funds		
	Number of posts			Estimated obligations			Estimated obligations		
	1965	1966	1967	1965	1966	1967	1965	1966	1967
			US \$	US \$	US \$	US \$	US \$	US \$	
<u>Activities relating to specific major subject headings (continued)</u>									
<b>MENTAL HEALTH</b>									
Headquarters			2 000	31 400	25 800				
Field:									
Africa									
The Americas									
South-East Asia									
Europe									
Eastern Mediterranean									
Western Pacific									
Inter-regional and other programme activities				20 000					
<b>T o t a l</b>			2 000	51 400	25 800				
<b>NUTRITION</b>									
Headquarters				13 200					
Field:									
Africa						65 000	824 500	707 200	
The Americas						62 000	151 000	211 400	
South-East Asia							1 002 000	1 223 000	
Europe									
Eastern Mediterranean							28 000		
Western Pacific							35 000	40 000	
Inter-regional and other programme activities	1	3	3	29 519	62 036	56 093			
<b>T o t a l</b>	1	3	3	29 519	75 236	56 093	127 000	2 040 500	2 181 600
<b>RADIATION AND ISOTOPES</b>									
Headquarters				31 800	32 600				
Field:									
The Americas									
South-East Asia									
Europe									
Eastern Mediterranean									
Western Pacific									
Inter-regional and other programme activities				20 000	20 000				
<b>T o t a l</b>				51 800	52 600				
<b>ENVIRONMENTAL HEALTH</b>									
Headquarters	9	4	12	159 990	175 067	289 053			
Field:									
Africa				31 100	140 000	196 000	21 000	10 000	10 000
The Americas								269 000	1 097 000
South-East Asia				12 800	157 700	139 800			
Europe	3			31 400	37 700	36 000			
Eastern Mediterranean				16 300	40 100	58 400		113 000	
Western Pacific		1		25 600	58 253	61 500	69 500	222 000	205 000
Inter-regional and other programme activities	7	4	7	163 340	248 826	364 533			
<b>T o t a l</b>	19	9	19	440 530	857 646	1 145 286	90 500	614 000	1 312 000

Regular Budget						Technical Assistance					
Number of posts			Estimated obligations			Number of posts			Estimated obligations		
1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967
			US \$	US \$	US \$				US \$	US \$	US \$
16	16	16	228 984	243 623	236 108						
8	9	12	302 070	410 516	438 353	3	3	6	423 200	236 958	442 824
6	6	5	302 757	312 948	322 580	6	9	11	438 370	402 712	375 878
12	13	12	223 948	271 514	404 119	9	10	9	264 678	263 659	253 345
4	8	8	366 632	435 447	423 682	1	1	1	1 600	29 400	40 000
17	23	26	643 407	836 027	978 223	19	21	21	246 832	328 794	473 399
6	8	12	212 837	245 473	329 110		3	2		27 500	60 054
			30 800	26 000	6 000		1			33 000	
<u>69</u>	<u>83</u>	<u>91</u>	<u>2 311 435</u>	<u>2 781 548</u>	<u>3 138 175</u>	<u>38</u>	<u>48</u>	<u>50</u>	<u>1 374 680</u>	<u>1 322 023</u>	<u>1 645 500</u>
43	47	52	620 523	732 571	925 567						
			2 000	2 000	2 000				38 450	29 550	29 550
			2 000	5 600	18 300						
			13 900	14 100	21 100						
2	3	3	22 426	52 265	39 210	3	3	3	28 684	28 549	23 994
			42 950	15 700	53 800						
	4	4	761 880	887 284	1 079 920	21	21	21	137 488	143 266	155 183
<u>45</u>	<u>54</u>	<u>59</u>	<u>1 465 679</u>	<u>1 709 520</u>	<u>2 139 897</u>	<u>24</u>	<u>24</u>	<u>24</u>	<u>204 622</u>	<u>201 365</u>	<u>208 727</u>
<u>1371</u>	<u>1466</u>	<u>1520</u>	<u>25 649 558</u>	<u>29 443 724</u>	<u>32 454 534</u>	<u>1391</u>	<u>1351</u>	<u>1383</u>	<u>21 131 005</u>	<u>21 481 597</u>	<u>22 882 568</u>
17	17	18	243 500	257 367	278 782						
		39			545 586						
9	14	14	134 360	171 706	177 174						
117	117	122	2 157 820	2 301 360	2 496 804						
16	17	17	173 560	186 428	206 510						
24	26	26	201 470	219 182	239 134						
11	17	17	62 420	118 986	151 753						
133	134	140	1 467 913	1 500 310	1 808 694						
10	10	10	<u>794 430</u>	<u>7104 866</u>	<u>7106 630</u>						
<u>337</u>	<u>352</u>	<u>403</u>	<u>4 441 043</u>	<u>4 755 339</u>	<u>5 904 437</u>						
481	499	504	4 014 872	4 414 197	4 746 205	180	178	178	2 914 699	3 081 138	3 180 767
2189	2317	2427	34 105 473	38 613 260	43 105 176	1571	1529	1561	24 045 704	24 562 735	26 063 335
				491 376	592 856						
<u>2189</u>	<u>2317</u>	<u>2427</u>	<u>34 105 473</u>	<u>38 121 884</u>	<u>42 512 320</u>	<u>1571</u>	<u>1529</u>	<u>1561</u>	<u>24 045 704</u>	<u>24 562 735</u>	<u>26 063 335</u>
295	294	295	2 966 857	3 155 385	3 436 954						
				9 469	18 274						
<u>295</u>	<u>294</u>	<u>295</u>	<u>2 966 857</u>	<u>3 145 916</u>	<u>3 418 680</u>						
			1 200 000	500 000	600 000						
<u>2484</u>	<u>2611</u>	<u>2722</u>	<u>38 971 400</u>	<u>42 442 000</u>	<u>47 242 000</u>	<u>1571</u>	<u>1529</u>	<u>1561</u>	<u>24 045 704</u>	<u>24 562 735</u>	<u>26 063 335</u>

	Voluntary Fund for Health Promotion						Other Extra-budgetary Funds		
	Number of posts			Estimated obligations			Estimated obligations		
	1965	1966	1967	1965	1966	1967	1965	1966	1967
				US \$	US \$	US \$	US \$	US \$	US \$
<u>Activities relating to specific major subject headings (continued)</u>									
<b>EDUCATION AND TRAINING</b>									
Headquarters									
Field:									
Africa									
The Americas									
South-East Asia									
Europe									
Eastern Mediterranean									
Western Pacific									
Inter-regional and other programme activities									
T o t a l									
<b>OTHER ACTIVITIES</b>									
Headquarters									
Field:									
Africa									
The Americas									
South-East Asia									
Europe									
Eastern Mediterranean									
Western Pacific									
Inter-regional and other programme activities									
T o t a l									
Total - Activities relating to specific major subject headings									
<b>2. Activities not related to any specific major subject heading</b>									
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Research Planning and Co-ordination									
Editorial and Reference Services									
Programme Co-ordination, Formulation and Evaluation									
Office of Supply									
Data Processing									
Common Services									
Interpretation									
T o t a l - Activities not related to any specific major subject heading									
<b>3. Regional Offices</b>									
T o t a l - Operating Programme									
<b>Less:</b>									
Staff turnover and delays in filling new posts									
N e t t o t a l - O P E R A T I N G P R O G R A M M E									
<b>III. ADMINISTRATIVE SERVICES</b>									
<b>Less:</b>									
Staff turnover and delays in filling new posts									
N e t t o t a l - A D M I N I S T R A T I V E S E R V I C E S									
<b>IV. OTHER PURPOSES</b>									
<b>GRAND TOTAL</b>									

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The page numbers are those of the text.*

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<sup>1</sup> Not including leprosy and tuberculosis.

<sup>2</sup> Including cardiovascular diseases, cancer, rheumatic diseases, other chronic non-communicable diseases, and also gerontology.

<sup>3</sup> General medical education; training in preventive medicine; general assistance to medical schools (including schools of public health); and educational meetings, fellowships, etc., that are not related to any other major subject heading.

<sup>4</sup> Including control of insect vectors of disease.

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Americas, 131, 140, 150, 154, 158-159  
South-East Asia, 169, 171, 175, 178, 182  
Europe, 197  
Eastern Mediterranean, 213, 218, 221  
Western Pacific, 229, 237, 239, 242  
inter-regional activities, 249  
assistance to research, 256  
Voluntary Fund for Health Promotion, 511-512

### Malaria

headquarters, 26-28  
Africa, 108, 110, 111, 112, 113, 115, 116, 117, 118-119, 120, 121, 122, 123, 124, 125, 126, 127  
Americas, 130, 133, 134, 137, 139, 141, 142, 143, 144, 145, 146, 148, 149, 150, 151, 152, 157  
South-East Asia, 168, 170, 172, 174, 178, 179, 180, 182, 184  
Europe, 188, 193, 197, 199  
Eastern Mediterranean, 204, 205, 206, 208, 209, 211, 212, 213, 215, 216, 217, 219, 220, 221, 223  
Western Pacific, 226, 227, 233, 234, 235, 236, 237, 238, 242  
inter-regional activities, 247  
assistance to research, 252  
Voluntary Fund for Health Promotion, 504-507

### Maternal and child health

headquarters, 36-37  
Africa, 108, 110, 112, 113, 114, 117, 121, 123, 125, 126, 129  
Americas, 132, 135, 163  
South-East Asia, 170, 171, 177, 179, 180, 181, 183  
Europe, 189, 201  
Eastern Mediterranean, 210, 212, 224  
Western Pacific, 228, 231, 232, 233, 235, 236, 238, 239, 243, 245  
inter-regional activities, 264  
assistance to research, 259  
Voluntary Fund for Health Promotion, 480, 484



## Mental health

- headquarters, 38-39
- Africa, 120
- Americas, 132, 139, 147, 156, 164
- South-East Asia, 172, 173, 183
- Europe, 192, 195, 201
- Eastern Mediterranean, 204, 207, 211, 218
- Western Pacific, 229, 231, 232, 236, 238, 243
- inter-regional activities, 250
- assistance to research, 259
- Voluntary Fund for Health Promotion, 480

## Nursing

- headquarters, 35-36
- Africa, 107, 109, 110, 111, 112, 113, 115, 117, 118, 119, 121, 124, 126, 129
- Americas, 132, 133, 135, 137, 141, 142, 143, 144, 147, 148, 152, 153, 155, 157, 162-163
- South-East Asia, 169, 171, 173, 176, 179, 181, 183
- Europe, 188-189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 200
- Eastern Mediterranean, 207, 208, 209, 210, 212, 214, 217, 218, 219, 220, 221-222
- Western Pacific, 227, 228, 229, 230, 231, 233, 234, 236, 237, 240, 241, 245
- inter-regional activities, 249
- Voluntary Fund for Health Promotion, 479

## Nutrition

- headquarters, 39
- Africa, 114, 115, 116, 117, 122, 125, 129
- Americas, 136, 139, 140, 142, 143, 144, 146, 149, 151, 152, 153, 156, 164
- South-East Asia, 177, 186
- Europe, 189
- Eastern Mediterranean, 206, 207, 210, 212, 218, 222, 224
- Western Pacific, 228, 235, 238, 243
- inter-regional activities, 264
- assistance to research, 259-260
- Voluntary Fund for Health Promotion, 483, 484

## Parasitic diseases

- headquarters, 31
- Africa, 108, 113, 128
- Americas, 134, 153, 158
- South-East Asia, 170, 173, 182, 185
- Eastern Mediterranean, 205, 207, 211, 212, 215, 218, 219, 221, 222
- Western Pacific, 244
- inter-regional activities, 248
- assistance to research, 254-255
- Voluntary Fund for Health Promotion, 479, 482

Public health administration<sup>1</sup>

- headquarters, 34-35,
- Africa, 108, 109, 110, 111, 112, 113, 115, 116, 118, 119, 120, 122, 124, 126, 128
- Americas, 131, 133, 134-135, 137, 138, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 159-161
- South-East Asia, 169, 171, 173, 175, 178-179, 180, 181, 183, 185
- Europe, 187, 188, 191, 193, 195, 196, 197, 198, 199
- Eastern Mediterranean, 205-206, 208, 211, 213-214, 215, 216-217, 218, 219, 222, 223

- Western Pacific, 226, 227, 229, 230, 232, 233, 234, 236, 237, 239, 240, 241, 242, 244, 245
- inter-regional activities, 249, 264
- assistance to research, 257
- Voluntary Fund for Health Promotion, 479, 484

## Radiation and isotopes

- headquarters, 41
- Americas, 139, 154, 165
- South-East Asia, 170, 177, 179, 184
- Europe, 202
- Eastern Mediterranean, 210, 214, 222, 224
- Western Pacific, 231, 232, 240, 241
- inter-regional activities, 250
- assistance to research, 260
- Voluntary Fund for Health Promotion, 480-481, 484

Social and occupational health<sup>2</sup>

- headquarters, 37-38
- Africa, 120
- Americas, 132, 138, 148, 155, 163
- South-East Asia, 176, 179, 183
- Europe, 191, 196, 200-201
- Eastern Mediterranean, 207, 210, 211, 214, 220
- Western Pacific, 229, 232, 235, 240, 243, 245
- inter-regional activities, 249-250, 264
- assistance to research, 258

## Tuberculosis

- headquarters, 28-29
- Africa, 107, 109, 112, 114, 118, 119, 121, 122, 123, 124, 127
- Americas, 130, 138, 142, 148, 157-158
- South-East Asia, 168, 170, 172, 174, 178, 180, 181, 182, 184
- Europe, 188, 194, 197, 199
- Eastern Mediterranean, 205, 208, 212, 213, 215, 216
- Western Pacific, 227, 228, 230, 231, 232, 236, 237, 239, 240, 242, 244-245
- inter-regional activities, 247
- assistance to research, 252-253
- Voluntary Fund for Health Promotion, 479, 482, 483

## Venereal diseases and treponematoses

- headquarters, 29
- Africa, 115, 122, 127
- Americas, 138, 142, 146, 158
- Eastern Mediterranean, 216
- Western Pacific, 242
- inter-regional activities, 248
- assistance to research, 253-254
- Voluntary Fund for Health Promotion, 479, 483, 516-517

## Veterinary public health

- headquarters, 29-30
- Americas, 131, 134, 138, 145, 148, 151, 154, 159
- South-East Asia, 182
- Europe, 196
- inter-regional activities, 249
- assistance to research, 257
- Voluntary Fund for Health Promotion, 479, 484

## Virus diseases

- headquarters, 30, 31
- Africa, 125, 128
- Americas, 133, 134, 141, 155, 158
- South-East Asia, 169, 170, 174-175, 181, 182, 185
- Europe, 188, 193, 196, 198, 199

<sup>1</sup> Including public health laboratory services, medical care, hospital administration, hospital architecture, and integrated activities such as public health or rural health programmes.

<sup>2</sup> Including accident prevention, forensic medicine, medical rehabilitation of the physically handicapped, and medico-social work.

Virus diseases (*continued*)

Eastern Mediterranean, 205, 210, 215, 218, 219, 221, 223  
Western Pacific, 228, 232  
inter-regional activities, 248  
assistance to research, 255-256  
Voluntary Fund for Health Promotion, 521-523

## Vital and health statistics

headquarters, 22-23  
Africa, 111, 114, 119, 121, 124, 128  
Americas, 131, 135, 154, 161-162  
South-East Asia, 171, 173, 175-176, 179, 181, 183, 185-186  
Europe, 188, 193, 194, 195, 196, 197, 199-200  
Eastern Mediterranean, 206, 214, 220, 223-224  
Western Pacific, 231, 232, 234, 237, 242  
assistance to research, 257

Other activities <sup>1</sup>

headquarters, 22, 24-26, 32-33, 42  
Africa, 129  
Americas, 167  
South-East Asia, 178, 186  
Europe, 202-203  
Eastern Mediterranean, 207, 212, 216, 222, 225  
Western Pacific, 231, 233, 235, 246  
inter-regional activities, 251, 264  
assistance to research, 261-263  
Voluntary Fund for Health Promotion, 481, 485

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<sup>1</sup> Biological standardization, immunology, pharmaceuticals, pharmacology and toxicology, international quarantine, human genetics, and activities which cannot be identified with any specific subject heading.

## NOTES ON THE PRESENTATION OF THE PROGRAMME AND BUDGET

### 1. Form of Presentation

The form of presentation of the proposed programme and budget estimates for 1967 follows generally the pattern for previous years, taking account of the modifications introduced for 1966 in pursuance of resolution WHA17.21<sup>1</sup> of the Seventeenth World Health Assembly and resolution EB34.R16<sup>2</sup> adopted by the Executive Board at its thirty-fourth session. As requested by the Executive Board in that resolution, the Director-General is continuing to study some possible changes in presentation that might be considered, and will submit a further report on the subject to the Executive Board at its thirty-seventh session. Meanwhile the following modifications have been effected:

#### 1.1 *Organizational Changes and Changes in Titles*

As explained in the Introduction, provision has been made for the establishment of a new Division of Research in Epidemiology and Communications Science.

In the Division of Communicable Diseases, two new organizational units have been established with the titles "Smallpox Eradication" and "Global Epidemiological Surveillance". The functions of these two units were formerly carried out by Virus Diseases and by staff in the Office of the Director of the Division.

In the Division of Public Health Services a separate organizational unit, "Human Reproduction", has been established. The functions of this unit were formerly carried out by Maternal and Child Health.

A new organizational unit, "Gerontology and Chronic Non-communicable Diseases", has been established in the Division of Health Protection and Promotion.

The organizational unit "Vector Control", previously part of the Division of Environmental Health, is now shown separately.

A new organizational unit, "Senior Staff Training", is also shown separately in the budget estimates; its functions were previously carried out by staff provided for in the estimates for the Offices of the Assistant Directors-General.

In Administrative Services, a separate "Office of Administrative Co-ordination" is now shown, the functions of which were previously carried out by the Assistant to the Assistant Director-General.

#### 1.2 *Posts financed from the Special Account for Servicing Costs*

As reported separately to the Executive Board, the Director-General, in accordance with Financial Regulation 6.6, has established a Special Account for Servicing Costs. The cost estimates of posts that are financed from this special account are shown within square brackets in the columns for the regular budget and denoted by footnotes, and are not included in the totals.

<sup>1</sup> *Handbook of Resolutions and Decisions*, eighth edition, p. 175.

<sup>2</sup> *Handbook of Resolutions and Decisions*, eighth edition, p. 176.

### 2. Integrated International Health Programme

#### 2.1 *Columns headed "Technical Assistance"*

The cost estimates for activities financed from funds, other than the regular budget and the Voluntary Fund for Health Promotion, administered directly or indirectly by WHO continue to be shown in the columns headed "Technical Assistance", with the source of funds indicated by symbols, as follows:

EPTA	United Nations' Expanded Programme of Technical Assistance
FT	Funds-in-trust
UNSF	United Nations Special Fund
PR	Pan American Health Organization—Regular funds
PM	Pan American Health Organization—Special Malaria Fund
PW	Pan American Health Organization—Community Water Supply Special Fund
PG	Pan American Health Organization—Grants
PA	Pan American Health Organization—Organization of American States (Technical Co-operation)
PI	Pan American Health Organization—Institute of Nutrition of Central America and Panama

Projects shown as proposed for implementation under the Expanded Programme of Technical Assistance in 1967 are those which recipient governments may decide to include in their programme requests for the biennium 1967-1968. Under the established planning procedures, such programme requests are to be transmitted to the Technical Assistance Board during the first half of 1966 for recommendation to, and ultimate approval by, the Technical Assistance Committee. The information now given is based on preliminary planning with the governments concerned and should be regarded as tentative.

#### 2.2 *Other Extra-budgetary Funds*

The amounts shown in the columns headed "Other Extra-budgetary Funds" relate to project requirements that are expected to be met from funds administered by other agencies. As in the past, amounts allocated by the UNICEF Executive Board for supplies and equipment for projects assisted jointly by UNICEF and WHO are denoted by asterisks.

The estimated amounts (expressed in US dollars) that recipient governments expect to contribute towards the cost of WHO-assisted projects in their own countries, as reported at the time the estimates were prepared, continue to be shown in parenthesis at the end of each country schedule.

#### 2.3 *Additional Projects requested by Governments and not included in the Proposed Programme and Budget Estimates*

As in previous years, Annex 4 contains narratives and cost estimates relating to additional projects requested by governments but not included in the proposed programme and budget

estimates. Projects which, on the basis of preliminary planning, are expected to be included by governments in their 1967-1968 Category II programme requests, in accordance with the procedures of the Expanded Programme of Technical Assistance, are also shown in this annex.

#### 2.4 *Budget Estimates relating to the International Agency for Research on Cancer*

As stated in the Introduction, the Director-General intends to present in future budget documents, in a separate annex, the programme and budget estimates of the International Agency for Research on Cancer, for the information of the Executive Board and the Health Assembly.

At the time of preparation of the Director-General's proposed programme and budget estimates for 1967, those estimates had not yet been prepared and approved. Should they be available in time they will be submitted separately to the Executive Board and to the Nineteenth World Health Assembly for information.

#### 2.5 *Summary of Estimated Obligations and Sources of Financing*

Appendix 2 to these Notes provides a summary of estimated obligations and sources of financing of all activities administered by WHO and certain other agencies and comprising the integrated international health programme.

### 3. Summary of Budget Estimates

#### 3.1 *Supplementary Estimates for 1966 and Additional Requirements for 1967*

The estimates for 1966 and the proposed estimates for 1967 do not take account of the budgetary implications for WHO of the proposals before the United Nations General Assembly concerning the recommendations of the International Civil Service Advisory Board on salaries and allowances of professional staff. At the time of preparation of the proposed programme and budget estimates for 1967, the General Assembly had not yet considered the recommendations. The Director-General will present in separate documents, to the Executive Board at its thirty-seventh session, the budgetary implications for WHO, in order to implement the recommendations of the International Civil Service Advisory Board.

#### 3.2 *Proposed effective working budget for 1967*

As shown in the Summary of Budget Estimates (page 5), the amount of the effective working budget which the Director-General is proposing for 1967 is \$47 242 000. This represents an increase of \$4 800 000, or 11.31 per cent., over the approved level for 1966. Subject to such adjustments as may be required to cover the cost of the proposals concerning the salaries and allowances of professional staff, the main items accounting for the increase in the proposed budget estimates for 1967 are set out in Appendix 1 to these Notes.

### 4. Casual Income and Reimbursement from the Special Account of the Expanded Programme of Technical Assistance

4.1 In line with the policy, established by previous Health Assemblies, of limiting the amount of casual income to be used to help finance the annual budget, the Director-General has recommended in the past that \$500 000 of casual income be used for this purpose. At the time these estimates were prepared, it was expected that the amount required to finance supplementary estimates for 1966, to cover the cost of the changes being proposed in the salaries and allowances of professional staff (see paragraph 3.1 above), would require the use of all the estimated available casual income either for this purpose or by transfer of such casual income to the Working Capital Fund. The Director-General, therefore, at this time does not find it possible to propose the use of any casual income to help finance

the 1967 budget, apart from an amount of \$23 640 assessed on new Members for previous years.

4.2 As regards reimbursement from the Special Account of the Expanded Programme of Technical Assistance, the Economic and Social Council at its thirty-ninth session, in resolution 1060 (XXXIX), decided that "for 1965, the allocations from the Special Account towards the administrative and operational services costs of the participating organizations shall be made in the form of a lump-sum amount, which shall represent 13 per cent of one half of the approved field (Category I) programme for the previous biennium and of the amount approved by the Technical Assistance Committee for contingency authorizations during that previous biennium, that for 1966 and thereafter, allocations shall be at the rate of 14 per cent of such costs, and that the distribution of the allocations among the participating organizations shall be determined on the basis of each organization's allocation for Category I project costs". On this basis the allocation to WHO towards these costs for 1967 should be \$1 301 560. This amount has accordingly been shown as available to help finance the 1967 budget.

### 5. Scale of Assessment

Paragraph 2(5) of resolution WHA8.5<sup>1</sup> of the Eighth World Health Assembly provides that "in establishing the scale of assessment to be used in 1960 and future years, the Health Assembly shall further adjust the WHO scale to take into account the latest available United Nations scale of assessment". Accordingly, the scale of assessment for 1967 has been calculated on the basis of the United Nations scale of assessment as proposed by the United Nations Committee on Contributions for the years 1965-1967.<sup>2</sup> Should the United Nations General Assembly adopt a scale of assessment for 1966 which differs from that proposed by the Committee on Contributions, it will be necessary to revise the WHO scale for 1967. The WHO scale, the amounts assessed, and the total budget will also be subject to adjustment and decision by the Nineteenth World Health Assembly if one or both of the inactive Members should resume active participation in the work of WHO, or if the membership of WHO should increase by the time of the Nineteenth World Health Assembly.

### 6. Appropriation Resolution

The text of the proposed Appropriation Resolution for 1967 is similar to that adopted for 1966 (WHA18.35)<sup>3</sup> except for the inclusion in Part IV (Other Purposes) of a new Appropriation Section 11—Revolving Fund for Teaching and Laboratory Equipment—resulting in the renumbering of the Appropriation Section for the Undistributed Reserve, under Part V (Reserve); and an amendment to paragraph III consequential to the situation explained in paragraph 4.1 above. The Director-General is studying the present form of the Appropriation Resolution and, should this study warrant a proposal for some change, he will submit his proposal to the Executive Board and/or the World Health Assembly separately.

### 7. Computation of the Estimates

7.1 The numbers of posts in each grade are shown in Appendix 3 to these Notes. That appendix also shows the

<sup>1</sup> *Handbook of Resolutions and Decisions*, eighth edition, p. 290.

<sup>2</sup> General Assembly, Official Records: Nineteenth Session, Supplement No. 10 (A/5810).

<sup>3</sup> *Handbook of Resolutions and Decisions*, eighth edition, p. 172.

gross and net salary scales and the number of steps in each grade. The salary costs shown in the detailed estimates have been computed on the net basis, the difference between the net and the gross salary costs, representing the amount of the staff assessment, being added in total only in the relevant appropriation section summaries. In the Summary of Budget Estimates, the amounts of the staff assessment are deducted from the totals in order to arrive at the net cost estimates under each appropriation section.

7.2 As in previous years, all filled posts have been costed in accordance with the actual entitlements of the incumbents, except that provision for terminal emoluments has been included in the cost estimates on the basis of percentages determined by experience. Vacant posts have been costed on the assumption that they will be filled at the base step of the salary scale for the grade concerned, and related costs that represent percentages of the salary costs (such as contributions to the pension fund and staff insurance) have been computed accordingly. Other personal entitlements have been computed in accordance with averages based on actual expenditure over a five-year period. The averages used for short-term consultants' fees and travel have also been based on average expenditure incurred during the past five years.

7.3 The estimates for duty travel have been calculated, as far as practicable, by costing the individual journeys proposed.

7.4 Adjustments have been made to the total estimates under the regular budget and the Voluntary Fund for Health Promotion to take account of:

(a) the economies that accrue in respect of the salaries and other entitlements of staff members who leave the Organization during the year and whose replacements are normally recruited at the base step of the grade concerned after a lapse period; and

(b) the additional expenditure that is incurred in respect of the repatriation costs of staff members who leave the Organization, and the recruitment costs of their replacements.

7.5 Since all new posts are costed for the full year, deductions have been made to take account of the delays that occur in filling such posts.

7.6 The adjustments made to the total estimates to take account of the effects of "staff turnover" (as explained in paragraph 7.4 above) and the amounts deducted in order to take account of "delays in filling new posts" (as explained in paragraph 7.5 above) are shown in the summaries under the various appropriation sections of the regular budget and, in the case of the Voluntary Fund for Health Promotion, in the corresponding summaries.

## Appendix 1

### MAIN ITEMS ACCOUNTING FOR THE INCREASE IN THE PROPOSED BUDGET ESTIMATES FOR 1967

	Increase over 1966 budget estimates		Percentage
	Amount US\$	US\$	
<b>1. Maintenance of 1966 staff level and other continuing requirements</b>			
Project activities . . . . .	659 275		
Headquarters programme activities . . . . .	412 838		
Regional advisory services . . . . .	108 077	1 180 190	2.78
Regional offices . . . . .		197 927	0.47
Administrative services . . . . .		183 377	0.43
Organizational meetings . . . . .	36 800		
Expert committees . . . . .	900	37 700	0.09
<b>Total</b>		<b>1 599 194</b>	<b>3.77</b>
<b>2. Other items</b>			
Project activities . . . . .		1 605 375	3.78
Activities pursuant to resolutions of the World Health Assembly:			
WHA12.17 Medical research <sup>1</sup> . . . . .	190 000		
WHA18.43 Research in epidemiology and communications science <sup>1</sup> . . . . .	499 091		
WHA18.42 Adverse drug reaction monitoring system <sup>1</sup> . . . . .	70 279		
WHA18.49 Health aspects of world population <sup>1</sup> . . . . .	83 506		
WHA18.38 Smallpox eradication programme <sup>1</sup> . . . . .	37 461	880 337	2.08
Revolving Fund for Teaching and Laboratory Equipment (WHA18.39 and EB36.R16)		100 000	0.23
Headquarters programme activities . . . . .		236 103	0.56
Regional advisory services . . . . .		149 245	0.35
Regional offices . . . . .		140 359	0.33
Administrative services . . . . .		89 387	0.21
<b>Total</b>		<b>3 200 806</b>	<b>7.54</b>
<b>Total—PROPOSED INCREASES</b>		<b>4 800 000</b>	<b>11.3</b>

<sup>1</sup> These items involve programme activities both at headquarters and in the field (Inter-Regional and Other Programme Activities).

PLANNED PROGRAMMES: ESTIMATED OBLIGATIONS	1965		1966		1967	
	US \$	US \$	US \$	US \$	US \$	US \$
<b>I. ACTIVITIES ADMINISTERED DIRECTLY OR INDIRECTLY BY WHO</b>						
1. <u>Regular programme</u> .....		39 507 000 <sup>(a)</sup>		42 442 000		47 242,000
<b>2. <u>Technical Assistance</u></b>						
Expanded Programme of Technical Assistance .....	7 844 466		8 072 850		9 369 948	
United Nations Special Fund projects .....	1 810 922		1 669 191		1 034 875	
Funds-in-trust activities .....	2 723 735		2 420 373		2 183 249	
Pan American Health Organization:						
Regular programme <sup>(b)</sup> .....	7 190 000		8 080 000		8 855 680	
Other programmes under -						
Special Malaria Fund .....	1 897 773		1 729 894		2 293 661	
Community Water Supply Fund .....	378 943		371 332		227 961	
Institute of Nutrition of Central America and Panama ..	971 153		918 100		964 045	
Organization of American States (Technical						
Co-operation) .....	582 908		970 339		997 442	
Grants and other contributions to PAHO .....	645 804		330 656		136 474	
	11 666 581	24 045 704	12 400 321	24 562 735	13 475 263	26 063 335
<b>3. <u>Programmes under the Voluntary Fund for Health Promotion</u></b>						
Medical research .....	970 159		2 057 038		2 271 148	
Community water supply .....	122 400		571 769		661 300	
Malaria eradication .....	1 362 264		2 023 713		2 345 858	
Leprosy programme .....	17 500		1 249 641		1 475 037	
Yaws programme .....			377 997		602 097	
Smallpox eradication .....	23 126				2 400 400	
Accelerated assistance to newly independent and emerging						
States .....	10 500					
Miscellaneous designated contributions .....	168 704	2 674 653		6 280 158		9 755 840
<b>4. <u>Additional projects requested by governments and not included in the programme and budget estimates</u> .....</b>						8 618 600
<b>Total</b>		66 227 357		73 284 893		91 679 775
<b>II. <u>COMPLEMENTARY ACTIVITIES</u></b>						
Jointly assisted projects:						
Additional supplies and equipment .....		19 084 450		21 118 800		10 355 300
<b>Total</b>		19 084 450		21 118 800		10 355 300

(a) As approved (resolution WHA17.18 of the Seventeenth World Health Assembly, as amended by resolution WHA18.11 of the Eighteenth World Health Assembly).

(b) Including programmes under the Special Fund for Health Promotion.

SUMMARY OF ESTIMATED OBLIGATIONS AND SOURCES OF FINANCING

XXXIX

PLANNED PROGRAMMES: SOURCES OF FINANCING	1965		1966		1967	
	US \$	US \$	US \$	US \$	US \$	US \$
<b>I. FUNDS ADMINISTERED DIRECTLY OR INDIRECTLY BY WHO</b>						
<b>1. Regular budget</b>						
Assessments on Members for the effective working budget ...	36 859 240		40 905 000		45 916 800	
Casual income .....	1 662 760		552 000		23 640	
Reimbursement from the Special Account of the Expanded Programme of Technical Assistance .....	985 000	39 507 000	985 000	42 442 000	1 301 560	47 242 000
<b>2. Technical Assistance</b>						
Expanded Programme of Technical Assistance: Special Account	7 844 466		8 072 850		9 369 948	
United Nations Special Fund .....	1 810 922		1 669 191		1 034 875	
Funds-in-trust .....	2 723 735		2 420 373		2 183 249	
<b>Pan American Health Organization:</b>						
Regular funds .....	7 190 000		8 080 000		8 855 680	
<b>Other funds available -</b>						
Special Malaria Fund .....	1 897 773		1 729 894		2 293 661	
Community Water Supply Fund .....	378 943		371 332		227 961	
INCAP and related grants .....	971 153		918 100		964 045	
Organization of American States .....	582 908		970 339		997 442	
Grants and other contributions to PAHO .....	645 804		330 656		136 474	
	11 666 581	24 045 704	12 400 321	24 562 735	13 475 263	26 063 335
<b>3. Voluntary Fund for Health Promotion</b>						
<b>3.1 Available funds:</b>						
<b>Special Account for -</b>						
Medical Research .....	970 159		735 349		192 500	
Community Water Supply .....	122 400		119 422			
Malaria Eradication .....	1 362 264		2 023 713		474 385	
Leprosy Programme .....	17 500		20 240			
Yaws Programme .....			12 581			
Smallpox Eradication .....	23 126					
Accelerated Assistance to Newly Independent and Emerging States .....	10 500					
Miscellaneous Designated Contributions .....	168 704	2 674 653		2 911 305		666 885
<b>3.2 Balance of resources required to finance the planned programme:</b>						
<b>Special Account for -</b>						
Medical Research .....			1 321 689		2 078 648	
Community Water Supply .....			452 347		661 300	
Malaria Eradication .....					1 871 473	
Leprosy Programme .....			1 229 401		1 475 037	
Yaws Programme .....			365 416		602 097	
Smallpox Eradication .....				3 368 853	2 400 400	9 088 955
<b>4. Resources required for the additional projects requested by governments and not included in the programme and budget estimates .....</b>						
						8 618 600
Total		66 227 357		73 284 893		91 679 775
<b>II. FUNDS ADMINISTERED BY OTHER AGENCIES</b>						
<b>1. Amounts allocated by the UNICEF Executive Board in respect of projects assisted jointly by UNICEF and WHO .....</b>						
		19 084 450		16 815 500		
<b>2. Additional funds required for supplies and equipment for jointly assisted projects .....</b>						
				4 303 300		10 355 300
Total		19 084 450		21 118 800		10 355 300

Appendix 3

SALARY SCHEDULES, SHOWING DISTRIBUTION OF POSTS UNDER ALL FUNDS, BY GRADE LEVELS

A. Internationally Recruited Staff

Grade	Number of posts									Salary Scale				
	Regular			Technical Assistance			Voluntary Fund for Health Promotion			Gross		Net		Number of steps
	1965	1966	1967	1965	1966	1967	1965	1966	1967	Base	Maximum	Base	Maximum	
P1 . . . . .	100	106	110	55	54	51	5	16	18	5 750	7 750	4 800	6 510	IX
P2 . . . . .	239	243	259	162	156	160	11	46	48	7 500	9 900	6 130	7 880	X
P3 . . . . .	267	286	301	296(b)	274(b)	276(b)	9	15	24	9 300	12 800	7 460	9 870	XII
P4 . . . . .	517	563	580	465(b)	449(b)	479(b)	35	59	93	11 400	15 200	8 930	11 420	XI
P5 . . . . .	177	185	204	65	61	63	2	5	8	14 000	18 000	10 650	13 100	X
P6/D1 . . . . .	30	30	30	15	15	15				16 300	20 500	12 080	14 530	VII
D2 . . . . .	19	19	21(a)	1	1	1				20 500	22 300	14 530	15 520	III
UG . . . . .	13(a)	13(a)	13(a)	2(c)	2(c)	2(c)								
<b>Total - INTERNATIONALLY RECRUITED STAFF</b>	<b>1 362</b>	<b>1 445</b>	<b>1 518</b>	<b>1 061</b>	<b>1 012</b>	<b>1 047</b>	<b>62</b>	<b>141</b>	<b>192</b>					

- (a) Director-General, Deputy Director-General, Assistant Directors-General and Regional Directors.  
 (b) Including consultants.  
 (c) Deputy Director and Assistant Director.

B. Locally Recruited Staff

REGULAR BUDGET

Grade	Number of posts			Salary Scale					Number of steps	Grade	Number of posts			Salary Scale				
	1965	1966	1967	Gross		Net		1965			1966	1967	Gross		Net		Number of steps	
				Base	Maximum	Base	Maximum						Base	Maximum	Base	Maximum		
<b>HEADQUARTERS</b>																		
<u>Headquarters (Geneva)</u>																		
	Swiss francs																	
G1 . . . . .	14	14	14	14 381	19 069	12 369	16 119	XI	<u>Headquarters (Liaison Office with the United Nations, New York, including liaison with UNICEF)</u>									
G2 . . . . .	37	37	37	15 486	20 799	13 253	17 503	XI	US dollars									
G3 . . . . .	176	191	197	16 740	23 353	14 256	19 546	XI	NY1 . . . . .			1	3 790	4 990	3 232	4 192	VIII	
G4 . . . . .	162	164	183	18 469	26 092	15 639	21 729	XI	NY2 . . . . .				4 320	5 630	3 656	4 704	IX	
G5 . . . . .	77	78	79	20 076	28 633	16 925	23 635	XI	NY3 . . . . .	1	1	1	4 990	6 470	4 192	5 352.50	X	
G6 . . . . .	53	60	63	22 106	31 772	18 549	25 989	XI	NY4 . . . . .	3	3	3	5 630	7 750	4 704	6 312.50	IX	
G7 . . . . .	34	35	35	24 681	36 905	20 609	29 839	XI	NY5 . . . . .	3	3	3	6 650	9 960	5 487.50	7 922	X	
	553	579	608							7	7	8						



SALARY SCHEDULES WITH DISTRIBUTION OF POSTS

Grade	Number of posts			Salary Scale				Number of steps	Grade	Number of posts			Salary Scale				Number of steps
				Gross		Net							Gross		Net		
	1965	1966	1967	Base	Maximum	Base	Maximum			1965	1966	1967	Base	Maximum	Base	Maximum	
<b>A F R I C A</b>																	
<b>Regional Office for Africa (Brazzaville)</b>																	
CFA francs																	
BZ1				230 000	309 000	207 000	275 000	X									
BZ2	4	4	4	290 000	389 000	259 000	343 000	X									
BZ3	2	2	2	366 000	489 000	323 000	428 000	IX									
BZ4	4	4	4	454 000	609 000	398 000	530 000	IX									
BZ5	22	22	22	633 000	851 000	550 000	730 000	IX									
BZ6	42	45	45	790 000	1 026 000	681 000	870 000	VIII									
BZ7	12	14	15	894 000	1 191 000	764 000	1 002 000	VIII									
BZ8	10	10	10	1 060 000	1 396 000	897 000	1 166 000	VIII									
BZ9	5	7	7	1 243 000	1 687 000	1 043 000	1 388 000	VIII									
	101	108	109														
<b>WHO Representative's Office, Abidjan</b>																	
CFA francs																	
AB1				176 000	256 000	158 000	230 000	X									
AB2				244 000	382 000	220 000	337 000	X									
AB3				404 000	616 000	356 000	536 000	X									
AB4				655 000	988 000	569 000	839 000	X									
AB5				964 000	1 391 000	820 000	1 162 000	X									
AB6	1	1	1	1 289 000	1 877 000	1 080 000	1 530 000	X									
AB7				1 567 000	2 280 000	1 298 000	1 829 000	X									
	1	1	1														
<b>WHO Representative's Office, Accra</b>																	
Ghana pounds																	
ACC1				218	308	196	277	X									
ACC2				269	401	242	359	X									
ACC3				403	583	360	513	X									
ACC4	1	1	1	545	767	481	670	X									
ACC5	1	1	1	661	937	580	814	X									
ACC6				814	1 136	710	980	X									
	2	2	2														
<b>WHO Representative's Office, Bangui</b>																	
CFA francs																	
BAN6	1	1	1	887 060	1 183 750	754 000	996 000	VIII									
	1	1	1														
<b>WHO Representative's Office, Dakar</b>																	
CFA francs																	
DA1				183 000	254 000	165 000	228 000	X									
DA2				250 000	367 000	225 000	324 000	X									
DA3				321 000	480 000	285 000	420 000	X									
DA4				453 000	686 000	397 000	595 000	X									
DA5				760 000	1 030 000	657 000	873 000	X									
DA6	1	1	1	926 000	1 320 000	790 000	1 105 000	X									
DA7		1	1	1 200 000	1 674 000	1 009 000	1 378 000	X									
	1	2	2														
<b>WHO Representative's Office, Dar-es-Salaam</b>																	
EA shillings																	
DS1				2 670	3 670	2 400	3 300	X									
DS2				3 330	4 630	3 000	4 170	X									
DS3				4 000	6 000	3 600	5 400	X									
DS4				7 820	10 990	7 000	9 700	X									
DS5				12 520	18 870	11 000	16 400	X									
DS6				17 460	26 220	15 200	22 400	X									
	2	2	2														
	2	2	2														
<b>WHO Representative's Office, Entebbe</b>																	
EA shillings																	
ENT1				2 890	4 990	2 600	4 490	X									
ENT2				4 110	6 310	3 700	5 680	X									
ENT3				6 330	8 720	5 700	7 770	X									
ENT4				8 520	12 120	7 600	10 660	X									
ENT5				10 760	16 050	9 500	14 000	X									
ENT6				16 050	21 900	14 000	18 950	X									
ENT7	1	1	1	20 760	27 470	18 000	23 400	X									
ENT8				24 470	31 780	21 000	26 850	X									
	1	1	1														
	1	1	1														
<b>Lagos (including WHO Representative's Office)</b>																	
£ sterling																	
LA1(a)				132	187	119	168	VIII									
LA1(b)				162	240	146	216	VIII									
LA2				233	342	210	308	VIII									
LA3				352	517	317	457	VIII									
LA4				538	744	475	650	VIII									
LA5				803	1 050	700	910	VIII									
LA6				1 032	1 423	895	1 210	VIII									
LA7				1 264	1 833	1 083	1 538	VIII									
	2	2	2														
	1	1	1														
	3	3	3														
<b>Lomé (including WHO Representative's Office)</b>																	
CFA francs																	
LO1				144 000	189 000	130 000	170 000	IX									
LO2				178 000	231 000	160 000	208 000	IX									
LO3				256 000	341 000	230 000	302 000	IX									
LO4				291 000	386 000	260 000	340 000	IX									
LO5				339 000	451 000	300 000	396 000	IX									
LO6				409 000	541 000	360 000	472 000	IX									
	2	2	2														
	2	2	2														

SALARY SCHEDULES WITH DISTRIBUTION OF POSTS

Grade	Number of posts			Salary Scale					Number of steps	Grade	Number of posts			Salary Scale					Number of steps
				Gross		Net		Number of steps						Gross		Net		Number of steps	
	1965	1966	1967	Base	Maximum	Base	Maximum				1965	1966	1967	Base	Maximum	Base	Maximum		
Africa (continued)																			
WHO Representative's Office, Monrovia																			
				Liberian dollars						SOUTH - EAST ASIA									
MO1				370	550	330	492	X	Regional Office for South-East Asia (New Delhi)										
MO2				610	940	550	847	X	Indian rupees										
MO3				1 180	1 760	1 055	1 550	X	ND1				1 880	2 630	1 690	2 365	X		
MO4				1 730	2 680	1 520	2 330	X	ND2				2 620	3 720	2 355	3 345	X		
MO5				2 590	3 740	2 250	3 195	X	ND3		30	30	30	4 390	7 500	3 955	6 610	X	
MO6	1	2	2	3 210	4 680	2 770	3 940	X	ND4		54	54	54	6 660	10 740	5 900	9 365	X	
	1	2	2						ND5		18	18	18	9 010	14 590	7 900	12 625	X	
									ND6		10	10	10	13 540	20 080	11 750	17 015	X	
											112	112	112						
Nairobi (including WHO Representative's Office)																			
				EA shillings						Bangkok (including WHO Representative's Office)									
NA1				4 000	5 900	3 600	5 310	X	Baht										
NA2				5 220	7 650	4 700	6 860	X	BK1				8 830	15 730	7 950	14 160	X		
NA3	3	3	3	12 140	17 230	10 680	15 000	X	BK2				11 770	18 670	10 590	16 800	X		
NA4				15 510	22 120	13 540	19 120	X	BK3				14 710	22 930	13 240	20 530	X		
NA5	2	2	2	20 990	28 840	18 200	24 500	X	BK4				20 590	31 590	18 530	27 890	X		
	5	5	5						BK5				27 550	43 540	24 460	38 050	X		
									BK6	1	1	1	37 580	56 000	32 980	48 640	X		
WHO Representative's Office, Tananarive																			
				Malagasy francs						Ceylon rupees									
TAN1				141 176	204 706	127 000	184 000	X	COL1				1 944	2 994	1 750	2 695	X		
TAN2				200 000	295 294	180 000	263 000	X	COL2				2 567	3 667	2 310	3 300	X		
TAN3				376 471	556 471	332 000	485 000	X	COL3				3 233	4 533	2 910	4 080	X		
TAN4				470 588	703 529	412 000	610 000	X	COL4				4 356	6 026	3 920	5 360	X		
TAN5	1	1	1	588 235	874 118	512 000	748 000	X	COL5				5 385	7 661	4 815	6 750	X		
	1	1	1						COL6	1	1	1	7 367	10 120	6 500	8 840	X		
									COL7				10 279	13 509	8 975	11 720	X		
									COL8				11 765	16 471	10 000	14 000	X		
											1	1	1						
THE AMERICAS																			
Regional Office for the Americas (Washington, D.C.)																			
				US dollars						Djakarta (including WHO Representative's Office)									
WL1				3 750	4 990	3 200	4 190	X	DJ1				3 010	3 900	2 710	3 510	IX		
WL2	1	1	1	4 120	5 480	3 500	4 580	X	DJ2				3 530	4 510	3 180	4 060	IX		
WL3	4	4	4	4 620	6 150	3 900	5 115	X	DJ3				4 210	5 380	3 790	4 830	IX		
WL4	24	24	24	5 120	6 980	4 300	5 740	X	DJ4				4 780	6 170	4 300	5 500	IX		
WL5	11	11	11	5 620	7 700	4 700	6 275	X	DJ5	2	2	2	5 780	7 380	5 170	6 530	IX		
WL6	7	7	7	6 130	8 530	5 100	6 900	X	DJ6	1	1	1	7 050	9 030	6 250	7 930	IX		
	47	47	47								7	5	4						

SALARY SCHEDULES WITH DISTRIBUTION OF POSTS

Grade	Number of posts			Salary Scale				Number of steps	Grade	Number of posts			Salary Scale				Number of steps
	1965	1966	1967	Gross		Net				1965	1966	1967	Gross		Net		
				Base	Maximum	Base	Maximum						Base	Maximum	Base	Maximum	
<u>South-East Asia (continued)</u>																	
<u>Kabul (including WHO Representative's Office)</u>																	
Afghanis																	
KB1				10 000	16 667	9 000	15 000	IX									
KB2				15 000	21 667	13 500	19 500	IX									
KB3				20 000	29 778	18 000	26 800	IX									
KB4				26 667	36 889	24 000	33 200	IX									
KB5				48 178	66 060	43 200	58 400	IX									
KB6	1	1	2	58 531	82 061	52 000	72 000	IX									
KB7	1	1	1	69 119	96 414	61 000	84 200	IX									
KB8				80 884	109 120	71 000	95 000	IX									
	5	5	5														
<u>Kathmandu (including WHO Representative's Office)</u>																	
Nepalese rupees																	
KA1				1 000	1 300	900	1 170	X									
KA2				1 560	2 160	1 400	1 940	X									
KA3				2 440	3 440	2 200	3 100	X									
KA4				4 000	5 500	3 600	4 950	X									
KA5				5 330	7 850	4 800	7 050	X									
KA6	3	3	3	6 670	10 320	6 000	9 150	X									
KA7	5	5	5	8 380	13 670	7 500	12 000	X									
KA8	1	1	1	10 490	16 850	9 300	14 700	X									
	9	9	9														
<u>WHO Representative's Office, Rangoon</u>																	
Kyats																	
RN1(a)				1 694	2 824	1 520	2 540	XI									
RN1(b)				2 372	3 501	2 130	3 150	XI									
RN2				2 824	4 518	2 540	4 070	XI									
RN3				4 235	6 353	3 810	5 640	XI									
RN4				5 647	8 471	5 040	7 440	XI									
RN5	1	1	1	7 624	11 859	6 720	10 320	XI									
RN6				10 588	15 882	9 240	13 660	XI									
	1	1	1														
<u>EUROPE</u>																	
<u>Regional Office for Europe (Copenhagen)</u>																	
Danish kroner																	
C1				11 520	17 190	10 140	14 955	X									
C2				14 010	19 990	12 250	17 335	X									
C3	10	12	12	17 450	23 880	15 175	20 485	X									
C4	44	45	48	22 040	30 590	19 010	25 850	X									
C5	15	15	15	26 870	35 240	22 880	29 570	X									
C6	4	4	4	30 620	39 510	25 880	32 990	X									
C7	3	3	3	34 370	43 380	28 880	35 990	X									
	76	79	82														
<u>Algiers (including WHO Representative's Office)</u>																	
Algerian francs																	
ALG1				5 220	6 720	4 680	5 960	IX									
ALG2				8 180	10 720	7 200	9 360	IX									
ALG3				9 590	12 610	8 400	10 960	IX									
ALG4		1	1	11 360	14 850	9 900	12 860	IX									
ALG5		1	1	13 830	18 080	12 000	15 440	IX									
ALG6		1	1	16 280	21 480	14 000	18 160	IX									
ALG7				20 030	26 430	17 000	22 120	IX									
	3	3	3														
<u>Ankara (including WHO Representative's Office)</u>																	
Turkish liras																	
ANK1				7 060	10 350	6 350	9 250	IX									
ANK2				9 880	13 650	8 850	12 050	IX									
ANK3				14 120	19 760	12 450	17 240	IX									
ANK4				17 650	25 550	15 450	22 170	IX									
ANK5		2	2	22 590	31 620	19 650	27 090	IX									
ANK6				26 350	36 710	22 850	31 200	IX									
	2	2	3														
<u>WHO Representative's Office, Athens</u>																	
Drachmas																	
GR1				52 100	72 850	45 780	63 420	X									
GR2				61 770	82 520	54 000	71 640	X									
GR3				73 530	95 000	64 000	82 000	X									
GR4				81 800	109 750	71 030	93 880	X									
GR5				95 800	124 260	78 640	101 410	X									
<u>Rabat (including WHO Representative's Office)</u>																	
Dirhams																	
MOR1				7 490	9 850	6 620	8 620	IX									
MOR2				8 750	11 100	7 690	9 690	IX									
MOR3				10 900	13 920	9 520	12 080	IX									
MOR4				12 470	16 110	10 850	13 890	IX									
MOR5		1	1	14 290	18 640	12 400	15 920	IX									
	1	1	2														
<u>Vienna</u>																	
Austrian schillings																	
VNA3				45 792	60 336	40 224	52 584	XI									
VNA4				54 336	71 568	47 496	62 136	XI									
VNA5				66 780	89 172	58 068	76 548	XI									
VNA6		1	1	82 308	109 308	71 052	92 652	XI									
VNA7				99 480	134 280	84 792	112 632	XI									
VNA8				119 496	157 056	100 800	130 800	XI									
	1	1	1														

SALARY SCHEDULES WITH DISTRIBUTION OF POSTS

Grade	Number of posts			Salary Scale				Number of steps	Grade	Number of posts			Salary Scale				Number of steps
				Gross		Net							Gross		Net		
	1965	1966	1967	Base	Maximum	Base	Maximum			1965	1966	1967	Base	Maximum	Base	Maximum	
<b>EASTERN MEDITERRANEAN</b>																	
<u>Regional Office for the Eastern Mediterranean (Alexandria)</u>								<u>Cairo</u>									
Egyptian pounds								Egyptian pounds									
EM1				193	323	174	291	VIII	CA1(a)				173	303	156	273	X
EM2				287	413	258	372	VIII	CA1(b)				260	461	234	414	X
EM3	1	1	1	377	539	339	480	VIII	CA2				400	620	360	549	X
EM4	17	21	20	486	740	435	651	X	CA3				572	816	508	715	X
EM5	31	32	32	649	973	849		X	CA4				696	1 003	613	874	X
EM6	17	17	17	800	1 206	702	1 047	X	CA5				819	1 169	718	1 015	X
EM7	10	10	10	1 076	1 639	936	1 398	X	CA6				997	1 416	869	1 220	X
EM8	4	4	5	1 309	1 905	1 134	1 611	X	CA7				1 170	1 679	1 016	1 430	X
									CA8				1 476	2 073	1 268	1 745	X
	80	85	85										1	1	1		
													1	1	1		
<u>Addis Ababa (including WHO Representative's Office)</u>								<u>Damascus</u>									
Ethiopian dollars								Syrian pounds									
ADD1				730	1 270	660	1 140	IX	DAM1(a)				2 320	3 420	2 090	3 080	X
ADD2				1 200	1 870	1 080	1 680	IX	DAM1(b)				3 060	4 390	2 750	3 920	X
ADD3	1	2	2	1 870	2 680	1 680	2 400	IX	DAM2				4 050	6 270	3 630	5 520	X
ADD4				2 680	3 950	2 400	3 480	IX	DAM3				5 520	8 910	4 880	7 760	X
ADD5				3 810	5 500	3 360	4 800	IX	DAM4				7 330	11 250	6 420	9 750	X
ADD6				4 940	7 480	4 320	6 480	IX	DAM5				9 160	14 430	7 980	12 300	X
ADD7				6 910	10 480	6 000	8 880	IX	DAM6	1	1	1	11 080	16 980	9 620	14 340	IX
ADD8	2	2	2	10 030	13 630	8 520	11 400	IX	DAM7				13 780	19 680	11 780	16 500	IX
ADD9				12 280	15 940	10 320	13 200	IX									
	3	4	4										1	1	1		
													1	1	1		
<u>WHO Representative's Office, Baghdad</u>								<u>WHO Representative's Office, Karachi</u>									
Iraqi dinars								Pakistan rupees									
BAG1				254	381	229	342	X	KAR1				1 761	2 594	1 585	2 335	XI
BAG2				367	494	330	438	X	KAR2				2 278	3 667	2 050	3 300	XI
BAG3				508	720	450	630	X	KAR3	1	1	1	4 678	6 614	4 210	5 860	XI
BAG4				649	904	569	786	X	KAR4	2	2	2	6 708	10 238	5 940	8 940	XI
BAG5				791	1 172	690	1 009	X	KAR5				9 332	13 920	8 170	12 070	XI
BAG6	1	1	1	1 016	1 497	881	1 269	X	KAR6				11 485	16 185	10 000	13 900	XI
BAG7				1 341	1 943	1 144	1 626	X	KAR7				15 060	23 310	13 000	19 600	XI
	1	1	1										3	3	3		
													3	3	3		
<u>Beirut</u>								<u>Khartoum</u>									
Lebanese pounds								Sudanese pounds									
BT1				4 000	6 140	3 550	5 370	VIII	K1				162	224	146	202	IX
BT2				4 880	7 100	4 300	6 190	VIII	K2				238	336	214	302	IX
BT3				6 530	9 650	5 700	8 330	VIII	K3				521	737	460	644	IX
BT4				7 900	12 110	6 870	10 300	VIII	K4	1	1	1	780	1 073	680	928	IX
BT5	1	1	1	10 300	14 670	8 850	12 350	VIII	K5				944	1 288	820	1 100	IX
BT6				12 920	18 720	10 950	15 570	VIII	K6				1 182	1 582	1 015	1 335	IX
BT7				18 240	25 690	15 200	20 800	VIII									
	1	1	1										1	1	1		
													1	1	1		

SALARY SCHEDULES WITH DISTRIBUTION OF POSTS

Grade	Number of posts			Salary Scale				Number of steps	Grade	Number of posts			Salary Scale				Number of steps						
				Gross		Net							Gross		Net								
	1965	1966	1967	Base	Maximum	Base	Maximum			Base	Maximum	Base	Maximum	Base	Maximum								
<u>Eastern Mediterranean (continued)</u>								<u>WHO Representative's Office, Riyadh</u>								<u>Saudi Arabian riyals</u>							
<u>WHO Representative's Office, Mogadishu</u>								<u>Somali</u>															
MOG1				3 000	4 000	2 700	3 600	X	SA1				4 000	5 450	3 600	4 860	X						
MOG2				4 000	7 000	3 600	6 300	X	SA2				5 620	8 480	5 000	7 430	X						
MOG3				5 670	8 760	5 100	7 800	X	SA3				8 440	12 360	7 400	10 730	X						
MOG4				8 050	12 290	7 200	10 800	X	SA4				10 320	14 630	9 000	12 600	X						
MOG5	1	1	1	11 580	16 870	10 200	14 700	X	SA5	1	1	1	12 680	18 250	11 000	15 500	X						
MOG6				16 520	24 090	14 400	20 700	X	SA6				17 630	24 380	15 000	20 400	X						
MOG7				22 590	31 590	19 500	26 700	X		1	1	1											
MOG8				28 220	39 470	24 000	33 000	X															
MOG9	1	1	1	35 715	47 240	30 000	39 000	X															
	2	2	2																				
<u>Teheran (including WHO Representative's Office)</u>								<u>Regional Office for the Western Pacific (Manila)</u>								<u>WESTERN PACIFIC</u>							
																<u>Philippine pesos</u>							
<u>Teheran (including WHO Representative's Office)</u>								<u>Rials</u>															
TEH1				66 700	97 900	60 000	87 000	X	M1				2 606	3 572	2 345	3 215	X						
TEH2				94 400	157 900	84 000	138 000	X	M2				3 156	4 402	2 840	3 935	X						
TEH3				136 800	232 500	120 000	201 000	X	M3	4	6	7	4 002	5 485	3 595	4 855	X						
TEH4	1	1	1	207 400	307 500	180 000	261 000	X	M4	25	25	25	5 038	7 085	4 475	6 215	X						
TEH5	1	1	1	281 300	382 500	240 000	321 000	X	M5	15	15	16	5 979	8 467	5 275	7 390	X						
TEH6				341 300	478 000	288 000	396 000	X	M6	7	7	7	7 085	9 903	6 215	8 610	X						
TEH7				510 000	755 400	420 000	600 000	X	M7	3	3	3	8 467	11 704	7 390	10 135	X						
	2	2	2						MX	5	5	5	12 160	18 910	10 500	15 900	X						
										59	61	63											
<u>WHO Representative's Office, Tripoli</u>								<u>Libyan pounds</u>								<u>WHO Representative's Office, Kuala Lumpur</u>							
																<u>Malayan dollars</u>							
LIB1				218	318	196	286	X	KL1				1 467	1 947	1 320	1 752	X						
LIB2				320	455	288	405	X	KL2				2 000	2 720	1 800	2 448	X						
LIB3				426	698	380	560	X	KL3				3 351	5 256	3 000	4 620	X						
LIB4				544	755	480	660	X	KL4	1	1	1	5 115	7 656	4 500	6 660	X						
LIB5				703	978	615	849	X	KL5	1	1	1	6 880	9 443	6 000	8 160	X						
LIB6				837	1 249	729	1 071	X	KL6				8 645	11 993	7 500	10 200	X						
LIB7	1	1	1	1 071	1 498	928	1 270	X															
LIB8				1 208	1 636	1 038	1 380	X		2	2	2											
LIB9				1 461	2 023	1 240	1 690	X															
	1	1	1																				
<u>WHO Representative's Office, Tunis</u>								<u>Tunisian dinars</u>								<u>WHO Representative's Office, Phnom-Penh</u>							
																<u>Riels</u>							
TUN1				511	675	460	600	VIII	PP1				23 718	35 012	21 300	30 800	IX						
TUN2				628	834	560	735	VIII	PP2				35 576	52 518	32 000	46 400	IX						
TUN3				769	1 008	680	883	VIII	PP3				47 435	70 024	42 100	61 300	IX						
TUN4	1	1	1	916	1 155	805	1 008	VIII	PP4				71 294	102 824	62 300	89 200	IX						
TUN5				1 099	1 354	960	1 177	VIII	PP5	1	1	1	103 529	145 250	89 700	123 200	IX						
TUN6				1 233	1 513	1 074	1 312	VIII	PP6				148 750	211 867	126 000	176 400	IX						
TUN7				1 393	1 714	1 210	1 476	VIII	PP7				171 250	238 000	144 000	196 000	IX						
	1	1	1							1	1	1											





SALARY SCHEDULES WITH DISTRIBUTION OF POSTS

Grade	Number of posts			Salary Scale				Number of steps	Grade	Number of posts			Salary Scale				Number of steps
	1965	1966	1967	Gross		Net				1965	1966	1967	Gross		Net		
				Base	Maximum	Base	Maximum						Base	Maximum	Base	Maximum	
<u>The Americas (continued)</u>																	
<u>El Paso (Field Office)</u>																	
				US dollars					<u>Port of Spain</u>								
EPL1				3 235	3 659	2 790	3 125	VII	TL1				1 980	2 830	1 770	2 490	IX
EPL2				3 529	4 100	3 025	3 480	VII	TL2				2 980	4 210	2 620	3 660	IX
EPL3	3	3	3	4 000	4 750	3 400	4 000	VII	TL3				3 900	5 530	3 400	4 760	IX
EPL4				4 250	5 187	3 600	4 350	VII	TL4				4 880	6 860	4 230	5 830	IX
									TL5	1			6 520	9 220	5 560	7 720	IX
	3	3	3						TL6				7 600	10 840	6 420	8 980	IX
										1							
										1							
<u>Kingston, Jamaica</u>																	
				Jamaican pounds					<u>SOUTH-EAST ASIA</u>								
JL1				359	559	323	493	IX	<u>New Delhi</u>								
JL2				441	676	393	592	IX									
JL3				529	794	467	693	IX									
JL4				694	1 000	608	868	IX									
JL5				1 029	1 359	892	1 158	IX									
JL6	1	1	1	1 324	1 767	1 130	1 485	IX									
	1	1	1														
<u>Port-au-Prince</u>																	
				Gourdes					Indian rupees								
HL1				2 824	4 706	2 540	4 240	IX	ND1				1 880	2 630	1 690	2 365	X
HL2				4 447	6 706	4 000	5 950	IX	ND2				2 620	3 720	2 355	3 345	X
HL3				6 353	8 612	5 650	7 570	IX	ND3				4 390	7 500	3 955	6 610	X
HL4				8 471	11 294	7 450	9 850	IX	ND4	1	1	1	6 660	10 740	5 900	9 365	X
HL5	1	1	1	11 294	15 059	9 850	13 050	IX	ND5				9 010	14 590	7 900	12 625	X
HL6				15 059	19 576	13 050	16 660	IX	ND6				13 540	20 080	11 750	17 015	X
										1	1	1					





SALARY SCHEDULES WITH DISTRIBUTION OF POSTS

Grade	Number of posts			Salary Scale				Number of steps	Grade	Number of posts			Salary Scale				Number of steps
	1965	1966	1967	Gross		Net				1965	1966	1967	Gross		Net		
				Base	Maximum	Base	Maximum						Base	Maximum	Base	Maximum	
<u>South-East Asia (continued)</u>									<u>EASTERN MEDITERRANEAN</u>								
<u>Kathmandu (including WHO Representative's Office)</u>									<u>Alexandria</u>								
Nepalese rupees									Egyptian pounds								
KA1				1 000	1 300	900	1 170	X	EM1				193	323	174	291	VIII
KA2				1 560	2 160	1 400	1 940	X	EM2				287	413	258	372	VIII
KA3				2 440	3 440	2 200	3 100	X	EM3				377	539	339	480	VIII
KA4				4 000	5 500	3 600	4 950	X	EM4				486	740	435	651	X
KA5				5 330	7 850	4 800	7 050	X	EM5				649	973	573	849	X
KA6				6 670	10 320	6 000	9 150	X	EM6			1	800	1 206	702	1 047	X
KA7		1	1	8 380	13 670	7 500	12 000	X	EM7				1 076	1 639	936	1 398	X
KA8				10 490	16 850	9 300	14 700	X	EM8				1 309	1 905	1 134	1 611	X

SUMMARY

	Regular			Technical Assistance			Voluntary Fund for Health Promotion		
	1965	1966	1967	1965	1966	1967	1965	1966	1967
Internationally recruited staff .....	1 362	1 445	1 518	1 061	1 012	1 047	62	141	192
Locally recruited staff .....	1 115	1 158	1 196	196	200	199	16	17	24
Unclassified posts* .....	7	8	8	314	317	315			
	<u>2 484</u>	<u>2 611</u>	<u>2 722</u>	<u>1 571</u>	<u>1 529</u>	<u>1 561</u>	<u>78</u>	<u>158</u>	<u>216</u>

\* Posts not individually classified or for which salary scales have not yet been determined.

## TABLES

## ESTIMATED TOTAL OBLIGATIONS UNDER ALL FUNDS,

(Expressed in

	Regular Budget						Technical Assistance					
	1965		1966		1967		1965		1966		1967	
	US \$	%	US \$	%	US \$	%	US \$	%	US \$	%	US \$	%
ORGANIZATIONAL MEETINGS .....	699	1.79	674	1.59	711	1.51						
HEADQUARTERS												
Programme Activities .....	8 196	21.03	9 096	21.43	10 625	22.49						
Administrative Services .....	2 967	7.61	3 146	7.41	3 418	7.24						
Total - HEADQUARTERS	11 163	28.64	12 242	28.84	14 043	29.73						
EXPERT COMMITTEES .....	232	0.60	261	0.62	262	0.55						
ALL OTHER												
Regional Offices .....	4 015	10.30	4 397	10.36	4 736	10.02	2 915	12.12	3 081	12.54	3 181	12.20
Programme Activities .....	21 662	55.59	24 368	57.41	26 890	56.92	21 131	87.88	21 482	87.46	22 883	87.80
Other Purposes .....	1 200	3.08	500	1.18	600	1.27						
Total - ALL OTHER	26 877	68.97	29 265	68.95	32 226	68.21	24 046	100.00	24 563	100.00	26 064	100.00
GRAND TOTAL	38 971	100.00	42 442	100.00	47 242	100.00	24 046	100.00	24 563	100.00	26 064	100.00

## ESTIMATED TOTAL STAFF UNDER ALL FUNDS,

	Regular Budget						Technical Assistance					
	1965		1966		1967		1965		1966		1967	
	Posts	%	Posts	%	Posts	%	Posts	%	Posts	%	Posts	%
HEADQUARTERS												
Programme Activities .....	646	26.01	685	26.24	756	27.77						
Administrative Services .....	295	11.87	294	11.26	295	10.84						
Total - HEADQUARTERS	941	37.88	979	37.50	1 051	38.61						
ALL OTHER												
Regional Offices .....	481	19.37	499	19.11	504	18.52	180	11.46	178	11.64	178	11.40
Programme Activities .....	1 062	42.75	1 133	43.39	1 167	42.87	1 391	88.54	1 351	88.36	1 383	88.60
Total - ALL OTHER	1 543	62.12	1 632	62.50	1 671	61.39	1 571	100.00	1 529	100.00	1 561	100.00
GRAND TOTAL	2 484	100.00	2 611	100.00	2 722	100.00	1 571	100.00	1 529	100.00	1 561	100.00

**WITH PERCENTAGES, BY MAJOR FUNCTIONS**

(thousands)

Voluntary Fund for Health Promotion						Other Extra-budgetary Funds						Total					
1965		1966		1967		1965		1966		1967		1965		1966		1967	
US \$	%	US \$	%	US \$	%	US \$	%	US \$	%	US \$	%	US \$	%	US \$	%	US \$	%
												699	0.83	674	0.71	711	0.76
494	18.47	769	12.25	879	9.01							8 690	10.25	9 865	10.45	11 504	12.32
												2 967	3.50	3 146	3.33	3 418	3.66
494	18.47	769	12.25	879	9.01							11 657	13.75	13 011	13.78	14 922	15.98
												232	0.27	261	0.28	262	0.28
2 180	81.53	5 511	87.75	8 877	90.99	19 084	100.00	21 119	100.00	10 355	100.00	6 930	8.17	7 478	7.92	7 917	8.48
												64 057	75.56	72 480	76.78	69 005	73.86
												1 200	1.42	500	0.53	600	0.64
2 180	81.53	5 511	87.75	8 877	90.99	19 084	100.00	21 119	100.00	10 355	100.00	72 187	85.15	80 458	85.23	77 522	82.98
2 674	100.00	6 280	100.00	9 756	100.00	19 084	100.00	21 119	100.00	10 355	100.00	84 775	100.00	94 404	100.00	93 417	100.00

**WITH PERCENTAGES, BY MAJOR FUNCTIONS**

Voluntary Fund for Health Promotion						Other Extra-budgetary Funds						Total					
1965		1966		1967		1965		1966		1967		1965		1966		1967	
Posts	%	Posts	%	Posts	%	Posts	%	Posts	%	Posts	%	Posts	%	Posts	%	Posts	%
25	32.05	15	9.49	23	10.65							671	16.23	700	16.29	779	17.31
												295	7.14	294	6.84	295	6.56
25	32.05	15	9.49	23	10.65							966	23.37	994	23.13	1 074	23.87
53	67.95	143	90.51	193	89.35							661	15.99	677	15.75	682	15.16
												2 506	60.64	2 627	61.12	2 743	60.97
53	67.95	143	90.51	193	89.35							3 167	76.63	3 304	76.87	3 425	76.13
78	100.00	158	100.00	216	100.00							4 133	100.00	4 298	100.00	4 499	100.00

**SUMMARY BY PURPOSE-OF-EXPENDITURE CODE,  
INDICATING PERCENTAGES OF TOTAL REGULAR BUDGET ESTIMATES**  
(Expressed in thousands)

Chapter	Organizational Meetings			Operating Programme <sup>1</sup>			Administrative Services <sup>2</sup>			Total			Percentage of Total Budget		
	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967
	US \$	US \$	US \$	US \$	US \$	US \$	US \$	US \$	US \$	US \$	US \$	US \$	%	%	%
00 Personal services .....	120	133	140	14 272	16 631	18 191	1 606	1 827	1 918	15 998	18 591	20 249	41.05	43.80	42.86
10 Personal allowances .....				6 084	7 527	8 213	606	706	790	6 690	8 233	9 003	17.17	19.40	19.06
21 Duty travel .....	56	52	74	1 289	1 310	1 407	81	80	83	1 426	1 442	1 564	3.66	3.40	3.31
22 Travel of short-term consultants .....	1	1	1	813	873	1 209	14	8	11	828	882	1 221	2.12	2.08	2.59
23 Travel on initial recruitment and repatriation ...				487	220	258	11	10	11	498	230	269	1.28	0.55	0.57
24 Travel on home leave .....				669	819	926	50	33	67	719	852	993	1.84	2.00	2.10
25 Travel and subsistence of delegates and advisers .	176	173	173	283	303	371				459	476	544	1.18	1.12	1.15
26 Travel of temporary staff .....	59	58	55	40	61	65				99	119	120	0.25	0.28	0.26
27 Transportation of personal effects .....				43	61	87	12	10	12	55	71	99	0.14	0.17	0.21
28 Installation per diem .....				279	113	133	13	5	6	292	118	139	0.75	0.28	0.29
30 Space and equipment services .....	19	16	13	642	646	736	176	160	177	837	822	926	2.15	1.94	1.96
40 Other services .....	72	33	20	1 233	1 226	1 410	202	169	175	1 507	1 428	1 605	3.87	3.36	3.40
50 Supplies and materials .....	194	206	233	1 298	1 380	1 432	103	107	131	1 595	1 693	1 796	4.09	3.99	3.80
60 Fixed charges and claims .....	1	1	1	132	138	143	18	20	20	151	159	164	0.39	0.37	0.35
70 Grants, contractual technical services and training activities .....				5 821	6 315	7 262				5 821	6 315	7 262	14.94	14.88	15.37
80 Acquisition of capital assets .....	1	1	1	1 420	499	770	575	511	517	1 996	1 011	1 288	5.12	2.38	2.72
TOTAL	699	674	711	34 805	38 122	42 613	3 467	3 646	3 918	38 971	42 442	47 242	100.00	100.00	100.00

<sup>1</sup> Including amounts relating to the African Regional Office Building Fund and the reimbursement of the Working Capital Fund in 1965, and the Revolving Fund for Teaching and Laboratory Equipment in 1967, under Part IV (Other Purposes).

<sup>2</sup> Including amounts relating to the Headquarters Building Fund, under Part IV (Other Purposes).

## SUMMARY OF BUDGET ESTIMATES

		Estimated obligations		
		1965	1966	1967
		US \$	US \$	US \$
<u>PART I: ORGANIZATIONAL MEETINGS</u>				
SECTION 1: WORLD HEALTH ASSEMBLY				
Chapter 00	<u>Personal Services</u>			
01	Salaries and wages (temporary staff) .....	50 300	57 000	62 850
02	Short-term consultants' fees .....	900	900	900
	Total - Chapter 00	51 200	57 900	63 750
Chapter 20	<u>Travel and Transportation</u>			
21	Duty travel .....	12 500	12 500	12 500
22	Travel of short-term consultants .....	1 200	1 200	1 200
25	Travel of delegates .....	114 000	114 000	114 000
26	Travel and subsistence of temporary staff .....	15 500	15 500	15 500
	Total - Chapter 20	143 200	143 200	143 200
Chapter 30	<u>Space and Equipment Services</u>			
31	Rental and maintenance of premises .....	8 500	9 000	9 000
32	Rental and maintenance of equipment .....	2 400	2 400	2 400
	Total - Chapter 30	10 900	11 400	11 400
Chapter 40	<u>Other Services</u>			
43	Other contractual services .....	27 700	400	400
44	Freight and other transportation costs .....	2 100	2 900	2 900
	Total - Chapter 40	29 800	3 300	3 300
Chapter 50	<u>Supplies and Materials</u>			
51	Printing .....	135 270	145 440	169 390
52	Visual materials .....	1 500	2 000	2 000
53	Supplies .....	7 400	7 400	7 400
	Total - Chapter 50	144 170	154 840	178 790
Chapter 60	<u>Fixed Charges and Claims</u>			
62	Insurance .....	60	60	60
	Total - Chapter 60	60	60	60
Chapter 80	<u>Acquisition of Capital Assets</u>			
82	Equipment .....	1 500	1 500	1 500
	Total - Chapter 80	1 500	1 500	1 500
	Total - SECTION 1	380 830	372 200	402 000
SECTION 2: EXECUTIVE BOARD AND ITS COMMITTEES				
Chapter 00	<u>Personal Services</u>			
01	Salaries and wages (temporary staff) .....	47 000	45 600	54 000
	Total - Chapter 00	47 000	45 600	54 000
Chapter 20	<u>Travel and Transportation</u>			
21	Duty travel .....	13 300	12 700	12 700
25	Travel and subsistence of members .....	61 500	59 000	59 000
26	Travel and subsistence of temporary staff .....	13 400	12 600	12 600
	Total - Chapter 20	88 200	84 300	84 300
Chapter 30	<u>Space and Equipment Services</u>			
31	Rental and maintenance of premises .....	6 540	2 900	
32	Rental and maintenance of equipment .....	1 200	850	850
	Total - Chapter 30	7 740	3 750	850
Chapter 40	<u>Other Services</u>			
43	Other contractual services .....	28 150	16 000	1 000
44	Freight and other transportation costs .....	800	800	800
	Total - Chapter 40	28 950	16 800	1 800

## SUMMARY OF BUDGET ESTIMATES

		Estimated obligations		
		1965	1966	1967
		US \$	US \$	US \$
<u>Section 2: Executive Board and its Committees (continued)</u>				
Chapter 50	<u>Supplies and Materials</u>			
51	Printing .....	33 850	33 850	36 250
53	Supplies .....	6 300	6 300	6 300
	Total - Chapter 50	40 150	40 150	42 550
Chapter 60	<u>Fixed Charges and Claims</u>			
62	Insurance .....	700	700	700
	Total - Chapter 60	700	700	700
	Total - SECTION 2	212 740	191 300	184 200
 SECTION 3: REGIONAL COMMITTEES				
Chapter 00	<u>Personal Services</u>			
01	Salaries and wages (temporary staff) .....	21 970	29 910	22 060
	Total - Chapter 00	21 970	29 910	22 060
Chapter 20	<u>Travel and Transportation</u>			
21	Duty travel .....	30 180	27 140	48 780
26	Travel and subsistence of temporary staff .....	29 720	29 690	26 690
	Total - Chapter 20	59 900	56 830	75 470
Chapter 30	<u>Space and Equipment Services</u>			
31	Rental and maintenance of premises .....	70	170	70
32	Rental and maintenance of equipment .....	400	250	500
	Total - Chapter 30	470	420	570
Chapter 40	<u>Other Services</u>			
41	Communications .....	1 520	1 220	2 000
43	Other contractual services .....	6 650	7 700	7 500
44	Freight and other transportation costs .....	5 260	3 820	5 530
	Total - Chapter 40	13 430	12 740	15 030
Chapter 50	<u>Supplies and Materials</u>			
53	Supplies .....	9 730	10 800	11 670
	Total - Chapter 50	9 730	10 800	11 670
	Total - SECTION 3	105 500	110 700	124 800
	Total - PART I	699 070	674 200	711 000
 <u>PART II: OPERATING PROGRAMME</u>				
 SECTION 4: PROGRAMME ACTIVITIES				
Chapter 00	<u>Personal Services</u>			
01	Salaries and wages .....	14 021 392	16 966 234	18 433 790
	Less: Staff assessment .....	2 859 171	3 622 731	3 956 502
	Net salaries and wages .....	11 162 221	13 343 503	14 477 288
02	Short-term consultants' fees .....	824 264	775 600	1 075 600
	Total - Chapter 00	11 986 485	14 119 103	15 552 888
Chapter 20	<u>Travel and Transportation</u>			
21	Duty travel .....	1 192 828	1 211 830	1 304 336
22	Travel of short-term consultants .....	813 098	872 550	1 209 150
25	Travel of temporary advisers .....	151 901	164 040	236 075
26	Travel of temporary staff .....	39 535	60 900	64 700
	Total - Chapter 20	2 197 362	2 309 320	2 814 261



SUMMARY OF BUDGET ESTIMATES

	Estimated obligations		
	1965	1966	1967
	US \$	US \$	US \$
<b>Section 4: Programme Activities (continued)</b>			
<b>Chapter 30 <u>Space and Equipment Services</u></b>			
31 Rental and maintenance of premises .....	390 062	351 513	394 677
32 Rental and maintenance of equipment .....	85 319	116 084	155 726
Total - Chapter 30	475 381	467 597	550 403
<b>Chapter 40 <u>Other Services</u></b>			
41 Communications .....	312 037	331 749	358 158
42 Hospitality .....	10 350	10 500	10 800
43 Other contractual services .....	588 322	557 385	699 395
44 Freight and other transportation costs .....	81 206	80 151	85 218
Total - Chapter 40	991 915	979 785	1 153 571
<b>Chapter 50 <u>Supplies and Materials</u></b>			
51 Printing .....	452 695	545 511	577 100
53 Supplies .....	660 348	626 156	632 816
Total - Chapter 50	1 113 043	1 171 667	1 209 916
<b>Chapter 60 <u>Fixed Charges and Claims</u></b>			
62 Insurance .....	26 209	29 396	31 533
Total - Chapter 60	26 209	29 396	31 533
<b>Chapter 70 <u>Grants, Contractual Technical Services and Training Activities</u></b>			
71 Fellowships .....	2 763 550	2 929 065	3 464 145
72 Grants and contractual technical services .....	1 876 907	2 241 494	2 467 914
73 Participants in seminars and other educational meetings .....	786 655	759 990	935 530
74 Staff training .....	94 300	85 000	95 000
75 Research training .....	200 000	200 000	200 000
76 Research by individual investigators .....	100 000	100 000	100 000
Total - Chapter 70	5 821 412	6 315 549	7 262 589
<b>Chapter 80 <u>Acquisition of Capital Assets</u></b>			
81 Library books .....	35 519	36 013	36 449
82 Equipment .....	590 928	399 415	449 437
Total - Chapter 80	626 447	435 428	485 886
Total - SECTION 4	23 238 254	25 827 845	29 061 047
<b>SECTION 5: REGIONAL OFFICES</b>			
<b>Chapter 00 <u>Personal Services</u></b>			
01 Salaries and wages .....	2 750 011	3 039 230	3 187 903
<u>Less:</u> Staff assessment .....	499 281	568 874	589 439
Net salaries and wages .....	2 250 730	2 470 356	2 598 464
Total - Chapter 00	2 250 730	2 470 356	2 598 464
<b>Chapter 20 <u>Travel and Transportation</u></b>			
21 Duty travel .....	96 500	98 650	103 150
Total - Chapter 20	96 500	98 650	103 150
<b>Chapter 30 <u>Space and Equipment Services</u></b>			
31 Rental and maintenance of premises .....	132 825	148 452	153 995
32 Rental and maintenance of equipment .....	33 427	30 076	31 924
Total - Chapter 30	166 252	178 528	185 919

## SUMMARY OF BUDGET ESTIMATES

		Estimated obligations		
		1965	1966	1967
		US \$	US \$	US \$
<b>Section 5: Regional Offices (continued)</b>				
Chapter 40	<u>Other Services</u>			
41	Communications .....	131 168	142 665	146 684
42	Hospitality .....	9 000	9 000	9 000
43	Other contractual services .....	46 259	44 039	48 825
44	Freight and other transportation costs .....	34 842	29 847	32 538
	Total - Chapter 40	<u>221 269</u>	<u>225 551</u>	<u>237 047</u>
Chapter 50	<u>Supplies and Materials</u>			
51	Printing .....	2 205	3 045	3 344
52	Visual materials .....	51 791	53 791	55 791
53	Supplies .....	87 407	93 725	96 718
	Total - Chapter 50	<u>141 403</u>	<u>150 561</u>	<u>155 853</u>
Chapter 60	<u>Fixed Charges and Claims</u>			
62	Insurance .....	14 746	15 724	16 306
	Total - Chapter 60	<u>14 746</u>	<u>15 724</u>	<u>16 306</u>
Chapter 80	<u>Acquisition of Capital Assets</u>			
81	Library books .....	7 786	8 767	9 381
82	Equipment .....	85 810	54 918	174 505
	Total - Chapter 80	<u>93 596</u>	<u>63 685</u>	<u>183 886</u>
	Total - SECTION 5	<u>2 984 496</u>	<u>3 203 055</u>	<u>3 480 625</u>
<b>SECTION 6: EXPERT COMMITTEES</b>				
Chapter 00	<u>Personal Services</u>			
01	Salaries and wages (temporary staff) .....	34 760	40 940	39 160
	Total - Chapter 00	<u>34 760</u>	<u>40 940</u>	<u>39 160</u>
Chapter 20	<u>Travel and Transportation</u>			
25	Travel and subsistence of members .....	131 200	139 200	134 400
	Total - Chapter 20	<u>131 200</u>	<u>139 200</u>	<u>134 400</u>
Chapter 40	<u>Other Services</u>			
43	Other contractual services .....	19 800	20 700	19 800
	Total - Chapter 40	<u>19 800</u>	<u>20 700</u>	<u>19 800</u>
Chapter 50	<u>Supplies and Materials</u>			
51	Printing .....	44 000	57 500	66 000
	Total - Chapter 50	<u>44 000</u>	<u>57 500</u>	<u>66 000</u>
Chapter 60	<u>Fixed Charges and Claims</u>			
62	Insurance .....	2 640	2 760	2 640
	Total - Chapter 60	<u>2 640</u>	<u>2 760</u>	<u>2 640</u>
	Total - SECTION 6	<u>232 400</u>	<u>261 100</u>	<u>262 000</u>
<b>SECTION 7: OTHER STATUTORY STAFF COSTS</b>				
Chapter 10	<u>Personal Allowances</u>			
11	Terminal payments .....	318 605	681 575	836 959
12	Pension fund .....	1 839 005	2 064 168	2 207 946
13	Staff insurance .....	172 814	196 386	209 272
14	Representation allowance .....	25 783	26 000	26 000
15	Other allowances .....	3 727 839	4 558 799	4 932 343
	Total - Chapter 10	<u>6 084 046</u>	<u>7 526 928</u>	<u>8 212 520</u>

SUMMARY OF BUDGET ESTIMATES

	Estimated obligations		
	1965	1966	1967
	US \$	US \$	US \$
<u>Section 7: Other Statutory Staff Costs (continued)</u>			
Chapter 20 <u>Travel and Transportation</u>			
23 Travel on initial recruitment and repatriation .....	486 651	220 162	258 091
24 Travel on home leave .....	669 936	818 932	925 540
27 Transportation of personal effects .....	42 562	60 641	87 212
28 Installation per diem .....	279 120	113 182	133 256
Total - Chapter 20	1 478 269	1 212 917	1 404 099
Chapter 60 <u>Fixed Charges and Claims</u>			
61 Reimbursement of income tax .....	88 008	90 039	92 029
Total - Chapter 60	88 008	90 039	92 029
Total - SECTION 7	7 650 323	8 829 884	9 708 648
Total - PART II	34 105 473	38 121 884	42 512 320
<u>PART III: ADMINISTRATIVE SERVICES</u>			
<u>SECTION 8: ADMINISTRATIVE SERVICES</u>			
Chapter 00 <u>Personal Services</u>			
01 Salaries and wages .....	1 941 965	2 276 041	2 387 382
Less: Staff assessment .....	349 707	456 062	478 116
Net salaries and wages .....	1 592 258	1 819 979	1 909 266
02 Short-term consultants' fees .....	13 600	7 200	9 600
Total - Chapter 00	1 605 858	1 827 179	1 918 866
Chapter 20 <u>Travel and Transportation</u>			
21 Duty travel .....	80 800	79 800	82 900
22 Travel of short-term consultants .....	13 600	8 100	10 800
Total - Chapter 20	94 400	87 900	93 700
Chapter 30 <u>Space and Equipment Services</u>			
31 Rental and maintenance of premises .....	148 311	118 801	124 209
32 Rental and maintenance of equipment .....	28 101	41 250	52 220
Total - Chapter 30	176 412	160 051	176 429
Chapter 40 <u>Other Services</u>			
41 Communications .....	91 419	93 000	93 100
42 Hospitality .....	4 650	4 500	4 200
43 Other contractual services .....	86 411	52 558	59 303
44 Freight and other transportation costs .....	19 690	18 470	18 586
Total - Chapter 40	202 170	168 528	175 189
Chapter 50 <u>Supplies and Materials</u>			
51 Printing .....	950	1 100	1 106
52 Visual materials .....	62 900	71 700	75 000
53 Supplies .....	38 992	34 690	54 432
Total - Chapter 50	102 842	107 490	130 538
Chapter 60 <u>Fixed Charges and Claims</u>			
62 Insurance .....	6 185	7 119	6 644
Total - Chapter 60	6 185	7 119	6 644
Chapter 80 <u>Acquisition of Capital Assets</u>			
82 Equipment .....	74 900	11 000	17 300
Total - Chapter 80	74 900	11 000	17 300
Total - SECTION 8	2 262 767	2 369 267	2 518 666

## SUMMARY OF BUDGET ESTIMATES

	Estimated obligations		
	1965	1966	1967
	US \$	US \$	US \$
<b>SECTION 9: OTHER STATUTORY STAFF COSTS</b>			
Chapter 10 <u>Personal Allowances</u>			
11 Terminal payments .....	55 801	79 989	95 748
12 Pension fund .....	247 357	274 679	301 792
13 Staff insurance .....	19 334	22 481	23 537
14 Representation allowance .....	15 600	15 600	15 600
15 Other allowances .....	268 247	313 130	353 797
Total - Chapter 10	606 339	705 879	790 474
Chapter 20 <u>Travel and Transportation</u>			
23 Travel on initial recruitment and repatriation .....	10 704	10 212	11 339
24 Travel on home leave .....	49 954	32 350	66 835
27 Transportation of personal effects .....	12 088	10 158	11 509
28 Installation per diem .....	12 651	4 821	6 035
Total - Chapter 20	85 397	57 541	95 718
Chapter 60 <u>Fixed Charges and Claims</u>			
61 Reimbursement of income tax .....	12 354	13 229	13 822
Total - Chapter 60	12 354	13 229	13 822
Total - SECTION 9	704 090	776 649	900 014
Total - PART III	2 966 857	3 145 916	3 418 680
 <u>PART IV: OTHER PURPOSES</u>			
<b>SECTION 10: HEADQUARTERS BUILDING FUND</b>			
Chapter 80 <u>Acquisition of Capital Assets</u>			
83 Land and buildings .....	500 000	500 000	500 000
Total - Chapter 80	500 000	500 000	500 000
Sub-total	500 000	500 000	500 000
REIMBURSEMENT OF WORKING CAPITAL FUND <sup>(a)</sup> .....	100 000		
Sub-total	100 000		
AFRICAN REGIONAL OFFICE BUILDING FUND <sup>(b)</sup>			
Chapter 80 <u>Acquisition of Capital Assets</u>			
83 Land and buildings .....	600 000		
Total - Chapter 80	600 000		
Sub-total	600 000		
Total - SECTION 10	1 200 000	500 000	500 000
SECTION 11: REVOLVING FUND FOR TEACHING AND LABORATORY EQUIPMENT .....			100 000
Total - SECTION 11			100 000
Total - PART IV	1 200 000	500 000	600 000
Sub-total - PARTS I, II, III and IV	38 971 400	42 442 000	47 242 000

## SUMMARY OF BUDGET ESTIMATES

11

	Estimated obligations		
	1965	1966	1967
	US \$	US \$	US \$
<u>PART V: RESERVE</u>			
SECTION 12: <u>UNDISTRIBUTED RESERVE</u> <sup>(c)</sup> .....	2 521 370	2 615 590	2 936 060 <sup>(d)</sup>
Total - SECTION 12	<u>2 521 370</u>	<u>2 615 590</u>	<u>2 936 060</u>
Total - PART V	<u>2 521 370</u>	<u>2 615 590</u>	<u>2 936 060</u>
Total - ALL PARTS	<u>41 492 770</u>	<u>45 057 590</u>	<u>50 178 060 <sup>(d)</sup></u>
<u>Less:</u> Reimbursement from the Special Account of the Expanded Programme of Technical Assistance .....	<u>985 000</u>	<u>985 000</u>	<u>1 301 560</u>
<u>Less: Casual Income</u>			
Assessments on new Members from previous years .....	77 580	34 700	23 640
Miscellaneous income .....	483 275	517 300	
Available by transfer from the cash portion of the Assembly Suspense Account .....	<u>1 101 905</u>		
Total - Casual Income	<u>1 662 760</u>	<u>552 000</u>	<u>23 640 <sup>(e)</sup></u>
Total - Deductions	<u>2 647 760</u>	<u>1 537 000</u>	<u>1 325 200</u>
Total - ASSESSMENTS ON MEMBERS	<u>38 845 010 <sup>(f)</sup></u>	<u>43 520 590</u>	<u>48 852 860</u>

(a) In the Appropriation Resolution for 1965 (WHA17.18) this appeared as Section 11.

(b) In the Appropriation Resolution for 1965 (WHA17.18 as amended by resolution WHA18.11) this appeared as Section 12.

(c) In the Appropriation Resolution for 1966 (WHA18.75) this appeared as Section 11.

(d) These amounts will be subject to adjustment and decision by the Nineteenth World Health Assembly if the General Assembly of the United Nations at its twentieth session adopts a scale of assessment for 1966 which differs from that proposed by the United Nations Committee on Contributions, if one or both of the inactive Members should resume active participation in the work of WHO, or if the membership of WHO should increase by the time of the Nineteenth World Health Assembly.

(e) See paragraph 4.1 of the Notes on Presentation of the Programme and Budget.

(f) In the Appropriation Resolution for 1965 (WHA17.18 as amended by resolution WHA18.15) the assessments on Members totalled \$39 380 510.

**SUMMARY TABLE SHOWING TOTAL BUDGET, INCOME, ASSESSMENTS  
AND EFFECTIVE WORKING BUDGET**

	1965	1966	1967
	US \$	US \$	US \$
Total budget .....	42 028 370	45 057 590	50 178 060 <sup>(b)</sup>
<u>Deductions</u> .....	<u>2 647 760</u>	<u>1 537 000</u>	<u>1 325 200</u>
Assessments on Members .....	39 380 610	43 520 590	48 852 860 <sup>(b)</sup>
<u>Less: Amount of Undistributed Reserve</u> .....	<u>2 521 370 <sup>(a)</sup></u>	<u>2 615 590 <sup>(a)</sup></u>	<u>2 936 060 <sup>(a)(b)</sup></u>
Assessments on Members for the effective working budget .....	36 859 240	40 905 000	45 916 800
<u>Add:</u>			
(1) Amount reimbursable from the Special Account of the Expanded Programme of Technical Assistance .....	985 000	985 000	1 301 560
(ii) Casual income .....	<u>1 662 760</u>	<u>552 000</u>	<u>23 640</u>
Total effective working budget	<u>39 507 000</u>	<u>42 442 000</u>	<u>47 242 000</u>

(a) Equalling the assessments on inactive Members (at the time these estimates were prepared, the Byelorussian SSR and the Ukrainian SSR) and on China.

(b) These amounts will be subject to adjustment and decision by the Nineteenth World Health Assembly if the General Assembly of the United Nations at its twentieth session should adopt a scale of assessment for 1966 which differs from that proposed by the United Nations Committee on Contributions, if one or both of the inactive Members should resume active participation in the work of WHO, or if the membership of WHO should increase by the time of the Nineteenth World Health Assembly.

SCALES OF ASSESSMENT FOR 1965, 1966 AND 1967

MEMBERS AND ASSOCIATE MEMBERS	1965	1966	1967 <sup>(a)</sup>	
	Total assessments US \$39 380 610; Total budget US \$42 028 370	Total assessments US \$43 520 590; Total budget US \$45 057 590	Total assessments US \$48 852 860; Total budget US \$50 178 060	
	US \$	US \$	Percentage	Amount US \$
Afghanistan .....	19 700	21 760	0.05	24 430
Albania .....	15 760	17 410	0.04	19 540
Algeria .....	35 460	39 170	0.09	43 970
Argentina .....	362 450	356 870	0.82	400 590
Australia .....	590 940	613 640	1.41	688 630
Austria .....	161 520	204 550	0.47	229 610
Belgium .....	429 420	448 260	1.03	503 190
Bolivia .....	15 760	17 410	0.04	19 540
Brazil .....	366 380	369 920	0.85	415 250
Bulgaria .....	70 910	65 280	0.15	73 280
Burma .....	23 640	21 760	0.05	24 430
Burundi .....	15 760	17 410	0.04	19 540
Byelorussian SSR .....	185 160	200 200	0.46	224 720
Cambodia .....	15 760	17 410	0.04	19 540
Cameroon .....	15 760	17 410	0.04	19 540
Canada .....	1 114 920	1 231 630	2.83	1 382 540
Central African Republic .....	15 760	17 410	0.04	19 540
Ceylon .....	31 520	30 460	0.07	34 200
Chad .....	15 760	17 410	0.04	19 540
Chile .....	94 550	104 450	0.24	117 250
China .....	1 631 010	1 649 430	3.79	1 851 530
Colombia .....	94 550	91 390	0.21	102 590
Congo (Brazzaville) .....	15 760	17 410	0.04	19 540
Congo, Democratic Republic of .....	23 640	21 760	0.05	24 430
Costa Rica .....	15 760	17 410	0.04	19 540
Cuba .....	78 790	78 340	0.18	87 940
Cyprus .....	15 760	17 410	0.04	19 540
Czechoslovakia .....	370 320	430 850	0.99	483 640
Dahomey .....	15 760	17 410	0.04	19 540
Denmark .....	208 800	239 360	0.55	268 690
Dominican Republic .....	19 700	17 410	0.04	19 540
Ecuador .....	19 700	21 760	0.05	24 430
El Salvador .....	15 760	17 410	0.04	19 540
Ethiopia .....	19 700	17 410	0.04	19 540
Federal Republic of Germany .....	2 036 790	2 876 710	6.61	3 229 170
Finland .....	130 010	165 380	0.38	185 640
France .....	2 119 520	2 367 520	5.44	2 657 600
Gabon .....	15 760	17 410	0.04	19 540
Ghana .....	31 520	30 460	0.07	34 200
Greece .....	82 730	95 740	0.22	107 480
Guatemala .....	19 700	17 410	0.04	19 540
Guinea .....	15 760	17 410	0.04	19 540
Haiti .....	15 760	17 410	0.04	19 540
Honduras .....	15 760	17 410	0.04	19 540
Hungary .....	181 220	217 600	0.50	244 260
Iceland .....	15 760	17 410	0.04	19 540
India .....	724 890	718 090	1.65	806 070
Indonesia .....	161 520	152 320	0.35	170 990
Iran .....	70 910	78 340	0.18	87 940
Iraq .....	31 520	30 460	0.07	34 200
Ireland .....	51 210	60 930	0.14	68 390
Israel .....	55 150	65 280	0.15	73 280
Italy .....	799 740	987 920	2.27	1 108 960
Ivory Coast .....	15 760	17 410	0.04	19 540
Jamaica .....	19 700	21 760	0.05	24 430
Japan .....	811 560	1 074 960	2.47	1 206 670
Jordan .....	15 760	17 410	0.04	19 540
Kenya .....	15 760	17 410	0.04	19 540
Kuwait .....	15 760	21 760	0.05	24 430
Laos .....	15 760	17 410	0.04	19 540
Lebanon .....	19 700	21 760	0.05	24 430
Liberia .....	15 760	17 410	0.04	19 540
Libya .....	15 760	17 410	0.04	19 540
Luxembourg .....	19 700	21 760	0.05	24 430
Madagascar .....	15 760	17 410	0.04	19 540
Malawi .....	(7 880) <sup>(b)</sup>	17 410	0.04	19 540
Malaysia .....	47 270	56 580	0.13	63 510
Mali .....	15 760	17 410	0.04	19 540
Malta .....	(7 880) <sup>(b)</sup>	17 410	0.04	19 540
Mauritania .....	15 760	17 410	0.04	19 540
Mauritius <sup>(c)</sup> .....	7 880	8 700	0.02	9 770
Mexico .....	263 950	313 350	0.72	351 740

## SCALES OF ASSESSMENT FOR 1965, 1966 AND 1967

MEMBERS AND ASSOCIATE MEMBERS	1965	1966	1967 <sup>(a)</sup>	
	Total assessments US \$39 380 610; Total budget US \$42 028 370	Total assessments US \$43 520 590; Total budget US \$45 057 590	Total assessments US \$48 852 860; Total budget US \$50 178 060	
	US \$	US \$	Percentage	Amount US \$
Monaco .....	15 760	17 410	0.04	19 540
Mongolia .....	15 760	17 410	0.04	19 540
Morocco .....	51 210	43 520	0.10	48 850
Nepal .....	15 760	17 410	0.04	19 540
Netherlands .....	362 450	430 850	0.99	483 640
New Zealand .....	145 770	147 970	0.34	166 100
Nicaragua .....	15 760	17 410	0.04	19 540
Niger .....	15 760	17 410	0.04	19 540
Nigeria .....	74 850	65 280	0.15	73 280
Norway .....	161 520	169 730	0.39	190 530
Pakistan .....	149 700	143 620	0.33	161 210
Panama .....	15 760	17 410	0.04	19 540
Paraguay .....	15 760	17 410	0.04	19 540
Peru .....	35 460	34 810	0.08	39 080
Philippines .....	141 830	134 910	0.31	151 440
Poland .....	457 000	561 410	1.29	630 200
Portugal .....	55 150	56 580	0.13	63 510
Qatar <sup>(c)</sup> .....	7 880	8 700	0.02	9 770
Republic of Korea .....	66 970	52 220	0.12	58 620
Romania .....	114 250	134 910	0.31	151 440
Rwanda .....	15 760	17 410	0.04	19 540
Saudi Arabia .....	23 640	26 110	0.06	29 310
Senegal .....	19 700	17 410	0.04	19 540
Sierra Leone .....	15 760	17 410	0.04	19 540
Somalia .....	15 760	17 410	0.04	19 540
South Africa .....	189 100	200 200	0.46	224 720
Southern Rhodesia <sup>(c)</sup> .....	7 880	8 700	0.02	9 770
Spain .....	307 290	282 880	0.65	317 540
Sudan .....	23 640	21 760	0.05	24 430
Sweden .....	464 880	487 430	1.12	547 150
Switzerland .....	338 810	343 810	0.79	385 940
Syria .....	19 700	21 760	0.05	24 430
Thailand .....	55 150	56 580	0.13	63 510
Togo .....	15 760	17 410	0.04	19 540
Trinidad and Tobago .....	15 760	17 410	0.04	19 540
Tunisia .....	19 700	21 760	0.05	24 430
Turkey .....	141 830	134 910	0.31	151 440
Uganda .....	15 760	17 410	0.04	19 540
Ukrainian SSR .....	705 200	765 960	1.76	859 610
Union of Soviet Socialist Republics .....	5 346 090	5 792 590	13.31	6 502 320
United Arab Republic .....	90 610	91 390	0.21	102 590
United Kingdom of Great Britain and Northern Ireland .....	2 706 530	2 798 370	6.43	3 141 240
United Republic of Tanzania .....	15 760	17 410	0.04	19 540
United States of America .....	12 327 120	13 578 420	31.20	15 242 090 <sup>(d)</sup>
Upper Volta .....	15 760	17 410	0.04	19 540
Uruguay .....	39 390	39 170	0.09	43 970
Venezuela .....	185 160	195 840	0.45	219 840
Viet-Nam .....	55 150	30 460	0.07	34 200
Western Samoa .....	15 760	17 410	0.04	19 540
Yemen .....	15 760	17 410	0.04	19 540
Yugoslavia .....	133 950	139 260	0.32	156 330
Zambia .....	( 7 880) <sup>(b)</sup>	17 410	0.04	19 540
	( 7 880)			
	( 7 880)			
TOTAL	39 380 610	43 520 590	100.00	48 852 860

(a) The scale, the amounts assessed, and the total budget will be subject to adjustment and decision by the Nineteenth World Health Assembly if the General Assembly of the United Nations at its twentieth session should adopt a scale of assessment for 1966 which differs from that proposed by the United Nations Committee on Contributions, if one or both of the inactive Members should resume active participation in the work of WHO, or if the membership of WHO should increase by the time of the Health Assembly.

(b) The amounts shown in parenthesis, and not included in the total, represent the additional assessments on former Associate Members that became Members in 1965; these amounts were not included in the total assessments on Members for the 1965 budget.

(c) Associate Members.

(d) Representing 31.91 per cent. of the assessments of active Members, pursuant to the provisions of resolution WHA8.5.



PROPOSED APPROPRIATION RESOLUTION FOR THE FINANCIAL YEAR 1967

The Nineteenth World Health Assembly

RESOLVES to appropriate for the financial year 1967 an amount of US \$..... as follows:

I.

Appropriation Section	Purpose of Appropriation	Amount US \$
<b>PART I : ORGANIZATIONAL MEETINGS</b>		
1.	World Health Assembly . . . . .	
2.	Executive Board and its Committees . . . . .	
3.	Regional Committees . . . . .	
	Total — Part I	
<b>PART II : OPERATING PROGRAMME</b>		
4.	Programme Activities . . . . .	
5.	Regional Offices . . . . .	
6.	Expert Committees . . . . .	
7.	Other Statutory Staff Costs . . . . .	
	Total — Part II	
<b>PART III : ADMINISTRATIVE SERVICES</b>		
8.	Administrative Services . . . . .	
9.	Other Statutory Staff Costs . . . . .	
	Total — Part III	
<b>PART IV : OTHER PURPOSES</b>		
10.	Headquarters Building Fund . . . . .	
11.	Revolving Fund for Teaching and Laboratory Equipment . . . . .	
	Total — Part IV	
	Sub-total — Parts I, II, III and IV	
<b>PART V : RESERVE</b>		
12.	Undistributed Reserve . . . . .	
	Total — Part V	
	<b>TOTAL — ALL PARTS</b>	

II. Amounts not exceeding the appropriations voted under paragraph I shall be available for the payment of obligations incurred during the period 1 January to 31 December 1967, in accordance with the provisions of the Financial Regulations.  
 Notwithstanding the provisions of this paragraph, the Director-General shall limit the obligations to be incurred during the financial year 1967 to the effective working budget established by the World Health Assembly, i.e. Parts I, II, III and IV.

III. The appropriations voted under paragraph I shall be financed by contributions from Members after deduction of:

(i) the amount of \$ ..... available by reimbursement from the Special Account of the Expanded Programme of Technical Assistance

(ii) the amount of \$ ..... representing assessments on new Members from previous years

Total \$ .....

thus resulting in assessments against Members of US \$ .....

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## **INFORMATION ANNEXES**

### **Annex 1**

#### **ORGANIZATIONAL MEETINGS AND HEADQUARTERS ACTIVITIES: SUMMARIES AND DETAILS**



## PART I: ORGANIZATIONAL MEETINGS

## 1. WORLD HEALTH ASSEMBLY: TWENTIETH REGULAR SESSION

(See below)

The estimates, which amount to \$402 000, are based on experience of holding a regular session of the World Health Assembly in Geneva. Provision is included for the printing of the ninth edition of the *Handbook of Resolutions and Decisions*, the eighth edition of which was produced in 1965.

## 2. EXECUTIVE BOARD AND ITS COMMITTEES

(See below)

The estimates, amounting to \$184 200, provide for a session of the Board lasting seventeen days in January (preceded by a session of the Standing Committee on Administration and Finance of approximately a week) as in 1966; and for a short session following the Health Assembly.

## 3. REGIONAL COMMITTEES

(See below)

The estimates are based on the information available from the regional committees as to the places of meeting of the respective regional committees in 1967.

## ORGANIZATIONAL MEETINGS: ESTIMATED OBLIGATIONS

	Estimated Obligations		
	1965 US\$	1966 US\$	1967 US\$
1. WORLD HEALTH ASSEMBLY . . . . .	380 830	372 200	402 000
Total - World Health Assembly	380 830	372 200	402 000
2. EXECUTIVE BOARD AND ITS COMMITTEES . . . . .	212 740	191 300	184 200
Total - Executive Board and its Committees	212 740	191 300	184 200
3. REGIONAL COMMITTEES			
AFRICA			
<i>Personal Services</i>			
Salaries and wages (temporary staff) . . . . .	6 000	6 150	6 150
<i>Travel and Transportation</i>			
Duty travel . . . . .	1 340	1 340	1 340
Travel and subsistence of temporary staff . . . . .	16 910	15 160	15 160
<i>Other Services</i>			
Other contractual services . . . . .	1 000	1 000	1 000
Freight and other transportation costs . . . . .	600	300	300
<i>Supplies and Materials</i>			
Supplies . . . . .	650	1 050	1 050
Total - AFRICA	26 500	25 000	25 000
THE AMERICAS			
<i>Personal Services</i>			
Salaries and wages (temporary staff) . . . . .	5 300	14 700	5 300
<i>Travel and Transportation</i>			
Duty travel . . . . .	1 300	1 320	1 300
Travel and subsistence of temporary staff . . . . .	2 400	6 410	2 400
<i>Space and Equipment Services</i>			
Rental and maintenance of equipment . . . . .	70	170	70
<i>Other Services</i>			
Other contractual services . . . . .	3 400	4 000	3 400
<i>Supplies and Materials</i>			
Supplies . . . . .	830	1 500	830
Total - THE AMERICAS	13 300	28 100	13 300

## ORGANIZATIONAL MEETINGS

	Estimated Obligations		
	1965 US\$	1966 US\$	1967 US\$
<b>SOUTH-EAST ASIA</b>			
<i>Personal Services</i>			
Salaries and wages (temporary staff) . . . . .	1 000	1 000	1 000
<i>Travel and Transportation</i>			
Duty travel . . . . .	4 500	1 500	30 200
<i>Other Services</i>			
Other contractual services . . . . .	1 000	1 000	1 800
<i>Supplies and Materials</i>			
Supplies. . . . .	1 500	1 500	2 000
Total - SOUTH-EAST ASIA	8 000	5 000	35 000
<b>EUROPE</b>			
<i>Personal Services</i>			
Salaries and wages (temporary staff) . . . . .	2 570	2 990	3 540
<i>Travel and Transportation</i>			
Duty travel . . . . .	13 980	11 270	7 930
Travel and subsistence of temporary staff . . . . .	5 690	4 070	4 200
<i>Other Services</i>			
Freight and transportation costs . . . . .	3 710	2 520	3 280
<i>Supplies and Materials</i>			
Supplies. . . . .	2 750	2 750	3 550
Total - EUROPE	28 700	23 600	22 500
<b>EASTERN MEDITERRANEAN</b>			
<i>Personal Services</i>			
Salaries and wages (temporary staff) . . . . .	6 500	4 470	5 470
<i>Travel and Transportation</i>			
Duty travel . . . . .	6 560	9 410	5 900
Travel and subsistence of temporary staff . . . . .	4 720	4 050	4 930
<i>Space and Equipment Services</i>			
Rental and maintenance of equipment . . . . .	400	250	500
<i>Other Services</i>			
Communications . . . . .	620	620	1 000
Other contractual services . . . . .	750	750	700
Freight and other transportation costs . . . . .	600	600	1 500
<i>Supplies and Materials</i>			
Supplies. . . . .	2 850	2 850	3 000
Total - EASTERN MEDITERRANEAN	23 000	23 000	23 000
<b>WESTERN PACIFIC</b>			
<i>Personal Services</i>			
Salaries and wages (temporary staff) . . . . .	600	600	600
<i>Travel and Transportation</i>			
Duty travel . . . . .	2 500	2 300	2 110
<i>Other Services</i>			
Communications . . . . .	900	600	1 000
Other contractual services . . . . .	500	950	600
Freight and other transportation costs . . . . .	350	400	450
<i>Supplies and Materials</i>			
Supplies. . . . .	1 150	1 150	1 240
Total - WESTERN PACIFIC	6 000	6 000	6 000
Total - REGIONAL COMMITTEES	105 500	110 700	124 800
Total - ORGANIZATIONAL MEETINGS	699 070	674 200	711 000

## PART II: OPERATING PROGRAMME

### 4. PROGRAMME ACTIVITIES

#### 4.1 OFFICES OF THE ASSISTANT DIRECTORS-GENERAL

(See page 62)

The Assistant Directors-General in charge of programme activities will:

- (1) advise the Director-General on major policy questions;
- (2) share the general responsibility for the technical programme, the co-ordination of the work of the technical divisions at headquarters, and the technical aspects of liaison with regional offices and other agencies;
- (3) direct and co-ordinate the work of the divisions and other units that have been placed under their immediate supervision.

*Personnel:* in addition to the four Assistant Directors-General, a technical assistant and ten general service staff.

*Duty travel:* to maintain close contact with regional offices, field activities, other agencies, and national institutions and centres co-operating with WHO in the various technical subjects.

*Grants* (see page 86)

*Council for International Organizations of Medical Sciences:* a continuation of this grant, as for 1966.

#### 4.2 RESEARCH IN EPIDEMIOLOGY AND COMMUNICATIONS SCIENCE

(See page 62)

The Division, which will report directly to the Office of the Director-General, will be responsible for:

- (1) the development of methods for investigating the reasons for the differences between areas and groups of high and low incidence of disease;
- (2) the application of operational research techniques to public health problems;
- (3) the identification and study of major factors affecting health patterns in different populations exposed to rapid ecological changes;
- (4) the development of surveillance and monitoring systems for different groups of communicable and non-communicable diseases and for adverse reactions to drugs;
- (5) the study of health aspects of population dynamics;
- (6) the development and testing of appropriate mathematical models for epidemiological investigations;
- (7) the study of content analysis of biomedical information;
- (8) assistance to units of the Organization on special problems involving applied mathematics and computer techniques.

*Personnel:* a Director (medical epidemiologist) and an Associate Director (communications scientist); thirteen senior scientists and eleven technical assistants in the specialities required (epidemiologists, applied mathematicians, demographers, statisticians, operational research specialists, computer scientists, biologist-ecologists, and behavioural scientists in sociology and anthropology); and thirteen secretaries.

*Consultants:* to advise on particular aspects of the work developed in the Division, notably in epidemiology, applied mathematics, ecology, operational research and computer science (eighteen months).

*Duty travel:* for visits to institutes and research centres dealing with epidemiological and communications science research, in order to develop reference centre activities connected with the work of the Division.

### 4.3 RESEARCH PLANNING AND CO-ORDINATION

The Office of Research Planning and Co-ordination will

- (1) service the Advisory Committee on Medical Research;
- (2) maintain consistent policies and procedures in the planning and operation of the WHO research programme;
- (3) ensure co-ordination between the research programmes of WHO and PAHO;
- (4) collect information on research organizations, institutions, personnel and projects;
- (5) maintain contact with national research organizations on matters of general research policy;
- (6) prepare analyses and reports on research activities;
- (7) process requests for and awards of grants for research training and exchange of research workers.

#### 4.3.0 Office of the Director

(See page 63)

*Personnel:* as for 1966 (see page 63).

*Consultants:* for further programme planning and for developing information and other services (ten months).

*Duty travel:* to the regional offices and national research institutions and organizations, in order to advise on the administrative and organizational conditions necessary for the implementation of the programme.

*Other Costs* (see page 86)

*Advisory Committee on Medical Research:* one meeting in 1967, as in 1966.

### 4.4 HEALTH STATISTICS

The Division of Health Statistics will

- (1) give statistical assistance to other headquarters divisions and to the regional offices;
- (2) collect, consolidate, record, analyse and publish basic data received from countries;
- (3) further the standardization of health statistics, including definitions, age-groupings, nomenclature and classification of diseases, injuries and causes of death;
- (4) advise and assist countries as to the organization of their national health statistical services;
- (5) collaborate with the United Nations and its agencies in the statistical and demographic fields;
- (6) service the Expert Advisory Panel on Health Statistics and relevant expert committees; and also expert committees in other fields as regards the statistical aspects of their work.

#### 4.4.0 Office of the Director

(See page 63)

*Personnel:* as for 1966 (see page 63).

*Duty travel:* to participate in meetings of United Nations statistical bodies; visit WHO regional offices for consultations; attend regional conferences and seminars; and advise national health administrations on their health statistical services.

#### 4.4.1 Health Statistical Methodology

(See page 64)

*Functions*

- (1) to assist other headquarters divisions with the technical aspects of statistics;
- (2) to develop health statistical methods and prepare handbooks on those methods;
- (3) to plan tabulations for data processing and prepare computer programmes.

*Personnel:* as for 1966 (see page 64).

*Consultants:* to help in preparing manuals on health statistical methods for the use of WHO technical personnel, and to advise on specific problems in statistical methodology (three months).

*Duty travel:* to advise on the planning and analysis of field projects, lecture on statistical methodology, and attend technical meetings.



#### 4.4.2 Dissemination of Statistical Information

(See page 64)

##### Functions

- (1) to consolidate basic data received from countries or extracted from various national statistical or epidemiological publications. This work includes
- the routine collection of data on diseases, health service facilities, health personnel, health expenditures and the financing of medical care services, and major activities of health services, such as vaccinations;
  - the collection, elaboration and analysis of vital and health statistics and commentaries thereon;
  - the keeping of up-to-date records of such statistics for publication in the monthly *Epidemiological and Vital Statistics Report* and in an annual volume;
  - the supply of statistical information to field workers;
- (2) to assist in improving the quality of national vital and health statistical data so that they will be internationally comparable;
- (3) to advise headquarters staff and expert committees on the availability and use of statistical data appropriate to particular fields.

*Personnel*: as for 1966 (see page 64).

*Consultants*: to prepare background papers for, and participate in, the meeting of the expert committee on morbidity statistics described below (three months).

*Duty travel*: to discuss methods of improving national statistical reports and the presentation of material; discover the factors affecting the quality of the data, as a preliminary step towards dealing with these limitations; investigate the existence of data that are collected but not published; and attend meetings.

*Expert Committee* (see page 90)

*Morbidity statistics*: to formulate recommendations on the collection of morbidity statistics from various sources, and on standardized procedures for the collection of data on infectious diseases (eight members).

#### 4.4.3 Development of Health Statistical Services

(See page 65)

##### Functions

- (1) to keep up to date and improve the International Classification of Diseases and methods of applying it to the compilation of morbidity and mortality statistics, in liaison with the WHO Centre for the Classification of Diseases in London and the Latin American Centre in Caracas;
- (2) to assist national administrations in organizing and developing their national health statistical services;
- (3) to promote the establishment of national committees on vital and health statistics and help to increase their effectiveness in carrying out their functions of national and international co-ordination.

*Personnel*: as for 1966 (see page 65).

*Consultants*: for the preparation of a code of surgical operations, the final version of a manual on hospital statistics (bed facilities and utilization), and the final draft of a manual on hospital morbidity statistics; and to help in the adaptation of the International Classification of Diseases for hospital indexing by diagnosis (a total of six months).

*Duty travel*: to advise on the preparation of national adaptations of the eighth revision of the International Classification of Diseases; obtain first-hand knowledge of well-developed health statistical systems, with a view to preparing handbooks for guidance; and attend regional and inter-regional health statistical seminars and conferences.

#### 4.4.4 Epidemiological Studies

(See page 65)

##### Functions

- (1) to develop the methodology of *ad hoc* general morbidity surveys and advise on their epidemiological and statistical aspects;
- (2) to study and advise on general epidemiological techniques (except for those relating specifically to communicable disease epidemiology);
- (3) to give epidemiological and statistical advice and assistance to other headquarters divisions and collaborate with them in servicing expert committees.

*Personnel*: as for 1966 (see page 65).

*Consultants*: to assist in preparing a manual on the application of epidemiological methods to public health services, as a follow-up of the expert committee on epidemiological methods in the study of non-communicable diseases planned for 1966; and to advise on specific problems of chronic disease epidemiology (a total of three months).

*Duty travel*: to advise on the planning and implementation of field projects; attend technical meetings; and keep abreast of developments in specific centres in the field of chronic disease epidemiology.

#### 4.5 BIOLOGY AND PHARMACOLOGY

The Division of Biology and Pharmacology is concerned with the provision of means for the assessment of potency and for the improving of diagnostic procedures, particularly for sera and vaccines, including the establishment and promotion of international standards for biological, pharmaceutical and similar products; the discharge of WHO's obligations under treaties for the international control of dangerous drugs; and assistance to research on immunology. In carrying out this work, the Division will

- (1) continue the work on the establishment of international biological standards and reference preparations for substances used in prophylactic or therapeutic medicine that cannot be characterized by physical or chemical means, and promote the use of such standards;
- (2) in co-operation with other units, formulate international "requirements" for important biological preparations and promote their use;
- (3) co-ordinate research in general and applied immunology and provide services to such research, including the selection of and support for immunological research and research training centres in developing countries;
- (4) prepare for publication, as recommendations in the International Pharmacopoeia, specifications for important pharmaceutical preparations permitting of quality control; advise on the use of these specifications, and on the establishment of international and national laboratories for pharmaceutical quality control;
- (5) select and prepare for publication international non-proprietary names proposed for new pharmaceutical preparations;
- (6) arrange for the establishment of international chemical reference substances for the analysis of pharmaceutical preparations;
- (7) co-ordinate measures and stimulate research for improving the therapeutic safety of drugs, with particular emphasis on the monitoring of adverse drug reactions;
- (8) take responsibility for international control arrangements in regard to dependence-producing drugs.

##### 4.5.0 Office of the Director

(See page 65)

*Personnel:* as for 1966 (see page 65).

*Duty travel:* in connexion with biological standardization, pharmacological investigations and pre-clinical testing of drugs, immunological studies, and the quality control of various pharmaceuticals.

##### 4.5.1 Biological Standardization

(See page 66)

###### *Functions*

- (1) to arrange collaborative investigations on an international basis for the establishment of international standards and reference preparations of therapeutic, prophylactic and diagnostic substances whose potency can be evaluated only by biological methods;
- (2) to formulate requirements and criteria for the quality of biological preparations widely used in prophylaxis and therapy, and revise existing international requirements as necessary;
- (3) to collect information on further needs for and useful applications of international biological standards and requirements, particularly in the developing countries, with a view to the control of the efficacy and safety of biological preparations used clinically;
- (4) to promote the use of such standards and requirements as widely as possible;
- (5) to service the Expert Advisory Panel on Biological Standardization.

*Personnel:* as for 1966 (see page 66).

*Consultants:* to promote the development of international biological standards; assist in formulating requirements for biological substances; and help to prepare for the expert committee and the meeting on international requirements for biological substances described below (a total of eight months).

*Duty travel:* to the international laboratories for biological standards in Copenhagen, London and Weybridge, various national laboratories for biological standards, and other collaborating laboratories; to laboratories in various countries in order to promote the use of standards and requirements; and to attend scientific meetings.

*Other Costs* (see pages 86 and 87)

- (a) *Meeting on international requirements for biological substances:* to consider further needs for establishing, and the further application of, international requirements for biological substances (particularly in developing countries), with a view to obtaining adequate levels of efficacy and safety for biological preparations used clinically. The participants will be laboratory workers engaged in the production and control of biological substances.
- (b) *Supply of biological standards:* to enable substances essential for the work on international standards to be distributed to reference centres and other collaborating laboratories.

*Expert Committee* (see page 90)

*Biological standardization:* to make recommendations on the establishment of new international standards and reference preparations and on the replacement of those that are nearing exhaustion (eight members).

#### 4.5.2 Immunology

(See page 66)

##### Functions

- (1) to continue the development of an international programme in general and applied immunological research and research training, extending the programme to the developing countries;
- (2) to initiate and maintain contact with reference laboratories in important areas of immunology, immunotherapy, immunoprophylaxis, immunopathology, immunochemistry, tissue transplantation and immune tolerance;
- (3) in co-operation with other units, to facilitate the application to other WHO programmes of advances in basic research in immunology;
- (4) to service the Expert Advisory Panel on Immunology.

*Personnel:* as for 1966 (see page 66).

*Consultants:* to assist in the preparations for the scientific group described below; participate in the activities of reference laboratories; and attend special international meetings of importance to the programme (a total of eight months).

*Duty travel:* to visit existing and potential reference centres, research and training centres, and immunological research laboratories; and to attend scientific meetings of importance in programme development.

*Other Costs* (see pages 86 and 87)

- (a) *Scientific group on immunological research:* to evaluate progress in a specific area in the Organization's immunological research programme, and make recommendations for future action in the light of recent advances (eight members).
- (b) *Immunological supplies for collaborating laboratories:* increased provision for small amounts of crucial specific reagents and supplies for laboratories collaborating in the WHO programme.

#### 4.5.3 Pharmaceuticals

(See page 66)

##### Functions

- (1) to revise as necessary the specifications permitting the quality control of important pharmaceutical preparations published in the International Pharmacopoeia, for supplements to or further editions of that volume;
- (2) to collect, prepare, revise and distribute suitable specifications, identity tests, methods of assay and posology for a number of pharmaceutical preparations of therapeutic interest used in different countries; and to survey the issue of new important pharmaceutical preparations;
- (3) to examine requests and select international non-proprietary names to be proposed, and later recommended, for new pharmaceutical preparations, in consultation with national authorities and experts; to circulate these names to Member States and publish them in the *WHO Chronicle*;
- (4) to carry out work in pursuance of resolution WHA18.36 with reference to the quality control of imported and locally manufactured pharmaceutical preparations and the facilities for testing quality; to study the organization of the examination and quality control of pharmaceutical preparations in different countries and formulate principles for pharmaceutical quality control at legislative, administrative and laboratory level; and to provide governments with advice and technical assistance on problems of pharmaceutical quality control;
- (5) to collect information on international chemical reference substances for the quality control of certain pharmaceutical preparations, and prepare specifications for those substances, in conjunction with the International Reference Centre for Chemical Reference Substances;
- (6) to service the Expert Advisory Panel on the International Pharmacopoeia and Pharmaceutical Preparations.

*Personnel:* as for 1966 (see page 66).

##### Consultants

- (a) to help in (i) preparing for the expert committee on specifications for pharmaceutical preparations and the sub-committee on non-proprietary names described below; (ii) establishing an information service on specifications for the quality control of new pharmaceutical preparations for distribution to national health authorities and specialists, and preparing proposed international specifications; (iii) advising on specifications for radiopharmaceuticals; (iv) advising on spectrophotometric methods in pharmaceutical quality control; (v) advising on the selection of non-proprietary names, their chemical equivalents and their action and use; (vi) co-ordinating research on drugs of natural origin; (vii) establishing principles for the classification of pharmaceutical preparations; (viii) co-ordinating research work on the stability of pharmaceutical preparations; (ix) preparing specifications for international chemical reference substances (a total of six months);
- (b) to survey and report on pharmaceutical quality control in different countries, in accordance with resolution WHA18.36, and obtain information on specifications for new pharmaceutical preparations (one month).

*Duty travel:* to survey, advise and report on administrative quality control in connexion with the examination and introduction of pharmaceutical preparations, and co-ordinate laboratory work and methods in different national and other institutes; attend meetings on pharmaceutical quality control and problems of distribution, classification and regulations; and survey, advise and report on the implementation of resolution WHA18.36 on pharmaceutical quality control.

*Other Costs* (see page 87)

*Purchase of pharmaceuticals:* to allow small quantities of pharmaceuticals to be bought locally for use in assay work.

*Expert Committees* (see page 90)

(a) *Specifications for pharmaceutical preparations*: to prepare, examine and establish specifications for the quality control of new pharmaceutical preparations suitable for the International Pharmacopoeia, and review specifications for pharmaceutical preparations already in therapeutic use; establish specifications for reagents used in the International Pharmacopoeia; review and advise on the work of the International Reference Centre for Chemical Reference Substances; and study methods and equipment for pharmaceutical quality control for use in the different Member States (eight members).

(b) *Sub-committee on non-proprietary names*: to examine requests, review comments and select international non-proprietary names to be proposed for new pharmaceutical preparations (five members).

#### 4.5.4 Pharmacology and Toxicology

(See page 67)

##### *Functions*

- (1) in pursuance of resolutions WHA17.39, WHA18.42 and WHA18.43,
  - (a) to formulate principles on which to base requirements for the experimental and clinical testing of the safety and efficacy of drugs;
  - (b) to promote the methodology of testing drugs for safety in therapeutic use;
  - (c) to develop methods for monitoring adverse reactions to drugs;
  - (d) to collect and disseminate information on serious adverse drug reactions;
  - (e) to service scientific groups and other meetings on drug safety and the monitoring of adverse drug reactions;
- (2) in fulfilment of the Organization's obligations under the international conventions on the control of dangerous ("narcotic") drugs,
  - (a) to review the actual situation in the use and abuse of dangerous drugs;
  - (b) to evaluate the abuse liability of drugs;
  - (c) to formulate decisions and recommendations on the classification of dangerous drugs under the relevant international treaties;
  - (d) to advise the United Nations Commission on Narcotic Drugs, the Permanent Central Opium Board and the Drug Supervisory Body, and governments, on all aspects of drug abuse;
  - (e) to arrange technical assistance activities and seminars in the field of drug abuse, where appropriate in conjunction with corresponding activities of the United Nations;
  - (f) to service the Expert Advisory Panel on Drug Dependence.

*Personnel*: four medical officers, an administrative assistant, two secretaries and two clerk-stenographers in 1966. *Proposed in addition for 1967*—two medical officers and two secretaries, to carry out work arising from resolutions WHA17.39, WHA18.42, and WHA18.43 on the safety and efficacy of drugs, particularly the development of methods for monitoring adverse reactions to drugs.

*Consultants*: to help

- (a) in conducting special studies related to problems of the therapeutic safety of drugs and the monitoring of adverse drug reactions, with special reference to the international implications (five months);
- (b) in preparing and carrying out local programmes for the prevention and treatment of drug abuse, and in making special studies on drugs of abuse, including studies requested by the Economic and Social Council and its Commission on Narcotic Drugs (three months).

*Duty travel*: to take part in national and international scientific and organizational meetings on problems of the therapeutic safety of drugs, and in United Nations regional conferences and seminars for the international control of dangerous drugs.

*Other Costs* (see page 86)

- (a) *Scientific group on principles and requirements for the clinical testing of the therapeutic safety of drugs*: to survey existing concepts and formulate relevant texts for international acceptance (ten members).
- (b) *Meeting on the monitoring of adverse drug reactions*: to advise on requirements for centralized international monitoring of drugs. The participants will be heads of national programmes in this field.

*Expert Committee* (see page 90)

*Dependence-producing drugs*: to carry out work arising from WHO's obligations under the international treaties on the control of narcotic drugs and, in particular, to advise the Director-General on decisions to be taken pursuant to those treaties (eight members).

## 4.6 MALARIA ERADICATION

The Division of Malaria Eradication, in accordance with resolution WHA8.30 of the Eighth World Health Assembly, will continue to

- (1) plan the world-wide strategy of malaria eradication, formulating general policies and guiding and co-ordinating the global programme;

- (2) develop scientific criteria and standards of technical procedures for all operations relating to malaria eradication;
- (3) stimulate, plan, co-ordinate and assist research related to malaria eradication;
- (4) advise on and assist in the provision of training facilities for international and national staff;
- (5) carry out the overall technical evaluation of progress made towards malaria eradication;
- (6) service the Expert Advisory Panel on Malaria and relevant expert committees.

#### 4.6.0 Office of the Director

(See page 67)

*Personnel:* as for 1966 (see page 67).

*Duty travel:* to discuss the development, assessment and co-ordination of malaria eradication programmes.

*Expert Committee* (see page 90)

*Malaria.* The methodology and techniques of malaria eradication have been formulated by the Expert Committee in its sixth (1956) and subsequent reports.<sup>1</sup> In 1967 the Expert Committee (eight members) will review the subject in detail in the light of the considerable experience that has accrued in the course of developing the global malaria eradication programme.

#### 4.6.1 Research and Technical Intelligence

(See page 67)

##### *Functions*

- (1) to stimulate and co-ordinate research on malaria; record, review and evaluate the results of such research; and collect and disseminate current information on research aspects of malariology;
- (2) to organize and service meetings of research groups and others related to technical development, establish liaison with research institutes, and advise on research fellowships;
- (3) to propose the designation of reference research centres, advise on the policy of assistance to research institutes, and follow up and report on results of research undertaken with assistance from the Organization;
- (4) to select, appraise and carry out the technical editing of scientific papers relating to malaria eradication to be published by the Organization;
- (5) to ensure a regular, co-ordinated reporting procedure for malaria eradication programmes, maintaining relevant records and preparing consolidated summaries from reports; and to classify data for the assessment of programmes;
- (6) to prepare special and periodic reports on research and provide general technical information on malaria eradication.

*Personnel:* as for 1966 (see page 67).

##### *Consultants*

- (a) to review and assess the results of WHO-assisted malaria research projects and assist in preparing plans for future research activities (one month);
- (b) to prepare a new edition of the monograph, *Chemotherapy of Malaria*<sup>2</sup> (two months).

*Duty travel:* visits to various research institutes in order to stimulate and co-ordinate research activities and assess research projects.

#### 4.6.2 Planning and Programme

(See page 68)

##### *Functions*

- (1) to plan the malaria eradication programme on a global and inter-regional basis and advise regional offices on regional planning and co-ordination;
- (2) to promote malaria eradication programmes in general and develop principles and methods for their planning, develop definitions and terms of reference for the different types of projects, and establish standards and criteria for their plans of operation;
- (3) to develop technical and administrative standards and procedures for malaria eradication operations;
- (4) to develop technical standards and assess requirements covering all aspects of training for national and international staff, including the preparation and revision of teaching and operational training manuals and other aids;
- (5) to develop general principles for the staffing pattern and to assist the regional offices in providing international training and technical advisory services for malaria eradication.

<sup>1</sup> *Wld Hlth Org. techn. Rep. Ser.*, 1957, 123; 1959, 162; 1961, 205; 1962, 243; 1964, 272; 1964, 291.

<sup>2</sup> *World Health Organization: Monograph Series No. 27, 1955.*

*Personnel:* as for 1966 (see page 68).

*Consultants*

- (a) to review the programmes of training for malaria eradication (one month);
- (b) to review the operational methodology of pre-eradication programmes (one month);
- (c) to review the techniques and operational methodology of malaria eradication programmes (one month).

*Duty travel:* for the discussion and review of operational developments.

#### 4.6.3 Epidemiological Assessment

(See page 68)

*Functions*

- (1) to plan and develop criteria, methodology, and a reporting system for a continuous epidemiological assessment of malaria eradication programmes, to promote their application, and to use them for appraising the status of world-wide eradication;
- (2) to develop principles for the epidemiological investigation of disappearing malaria and criteria for assessing the interruption of transmission;
- (3) to develop and promote standards for surveillance operations and for special epidemiological investigations within the scope of malaria eradication;
- (4) to assist in the development of organizational patterns that will ensure efficient vigilance operations by the regular public health services in the maintenance phase;
- (5) to study and advise on international measures to prevent the re-establishment of malaria in areas from which it has been eradicated;
- (6) to review the data submitted in support of claimed eradication and verify their conformity with the technical criteria for the certification of malaria eradication.

*Personnel:* as for 1966 (see page 68).

*Consultants*

- (a) to study and assess the implementation of the criteria for the interruption of transmission (six weeks);
- (b) to review the adequacy of vigilance activities in areas in the maintenance phase (six weeks).

*Duty travel:* to advise on epidemiological evaluation and reporting systems and to assess vigilance services.

## 4.7 COMMUNICABLE DISEASES

The Division of Communicable Diseases will

- (1) advise on the technical policies of the Organization in communicable disease control and in veterinary public health, including the hygiene of food of animal origin, and food-borne infections and intoxications;
- (2) formulate technical guidelines for operating programmes and epidemiological services and for developing long-term plans for communicable disease control;
- (3) collect, disseminate and exchange technical information;
- (4) stimulate, organize and co-ordinate research, maintaining close collaboration with research institutes and laboratories throughout the world;
- (5) organize inter-regional conferences, seminars and other meetings;
- (6) maintain a world-wide service for reception and distribution of notifications of quarantinable diseases, and administer the International Sanitary Regulations and other international sanitary legislation;
- (7) collaborate with the United Nations and specialized agencies with whom WHO has joint programmes, and with non-governmental organizations working in the particular fields covered by the Division.

#### 4.7.0 Office of the Director

(See page 68)

*Personnel:* as for 1966 (see page 68).

*Duty travel:* to visit regional offices for consultation on policy and on broad problems related to the work of the Division; and to attend international meetings.

#### 4.7.1 Tuberculosis

(See page 69)

*Functions*

- (1) to advise on the Organization's technical policy as regards tuberculosis;
- (2) to advise on the technical planning, implementation and evaluation of field studies and projects;

- (3) to promote, co-ordinate and assess research on tuberculosis problems, in the laboratory and in the field;
- (4) to collect, appraise and disseminate technical information;
- (5) to arrange for and assist in the training of technical personnel;
- (6) to service the Expert Advisory Panel on Tuberculosis.

*Personnel:* as for 1966 (see page 69).

*Consultants:* to assist with

- (a) an evaluation, together with the Nursing unit, of the public health nursing aspects of efficient ambulatory and domiciliary chemotherapy programmes in tuberculosis (one month);
- (b) a review of the results obtained in WHO co-operative epidemiological and operational research related to surveillance problems of tuberculosis as a receding disease in some of the developed countries (two months).

*Duty travel:* to retain contact with institutions already co-operating with the Organization in tuberculosis research and to secure the co-operation of others on a wider geographical basis; to ensure continuity between the formulation and application of technical policies by visits to regional offices and field projects; and to take part in meetings of the International Union against Tuberculosis and other international meetings.

#### 4.7.2 Venereal Diseases and Treponematoses

(See page 69)

*Functions*

- (1) to advise on the Organization's technical programme in the control and eradication of endemic treponematoses of childhood and venereal infections;
- (2) to advise on the technical planning, implementation and evaluation of field studies and projects;
- (3) to promote, co-ordinate and assess research work on venereal infections and endemic treponematoses in the laboratory and in the field;
- (4) to collect, appraise and disseminate technical information;
- (5) to strengthen surveillance of venereal infections and endemic treponematoses and develop epidemiological research and methodology in these fields, including multi-purpose epidemiological-serological surveys;
- (6) to administer the International Agreement of Brussels relating to venereal disease control among seafarers;
- (7) to service the Expert Advisory Panel on Venereal Infections and Treponematoses.

*Personnel:* as for 1966 (see page 69).

*Consultants*

- (a) to appraise the practices under the Brussels Agreement regarding venereal disease control among seafarers on the basis of information received from health administrations and in the light of technical developments, with a view to the redefinition of the minimal criteria relating to the articles of the Agreement (one month);
- (b) to review data on immunological profiles established in the epidemiological-serological evaluation of yaws and advise on the further methodology of multi-purpose immunological studies (e.g. yaws, malaria, virus diseases, parasitic diseases and human genetics) useful in joint epidemiological-serological evaluation and surveillance programmes in tropical countries (one month).

*Duty travel:* to visit collaborating laboratories, regional or inter-regional epidemiological (surveillance) teams, WHO-assisted research projects and reference centres for technical discussions on current work and future orientation; and to participate in the meeting of the International Union against Venereal Diseases and Treponematoses.

*Expert Committee* (see page 90)

*Venereal infections and treponematoses:* to review accumulated epidemiological-serological data; advise on the methodology, control, surveillance and eradication of endemic treponematoses, with particular reference to yaws, pinta and endemic syphilis; evaluate multi-purpose immunological survey techniques developed in connexion with yaws; and plan further epidemiological research and services (eight members).

#### 4.7.3 Veterinary Public Health

(See page 69)

*Functions*

- (1) to advise on the Organization's technical policy as regards the control or eradication of the zoonoses;
- (2) to promote, co-ordinate and assess research work in those fields, and in comparative medicine, in co-operation with the relevant units of the Organization;
- (3) to assist in developing and strengthening national veterinary public health programmes and services;
- (4) to advise on the technical planning, implementation and evaluation of field studies and projects;
- (5) to advise and promote work on food hygiene and food standards, with special reference to food of animal origin, and on food-borne infections and intoxications, in co-operation with other units concerned;

- (6) to assist countries, in co-operation with other units, in the standardization of veterinary biological products of public health interest;
- (7) to collaborate with FAO and the International Office of Epizootics in collecting information on the incidence of animal diseases throughout the world;
- (8) to service the Expert Advisory Panels on Brucellosis, on Rabies and on Zoonoses.

*Personnel:* as for 1966 (see page 69).

*Consultants:* to review and plan research projects in the zoonoses, comparative virology, food hygiene and food standards, and also comparative studies on chronic degenerative diseases of animals with reference to similar diseases in man; to visit collaborating laboratories and centres of research; and to help in preparing for the expert committee on food hygiene described below (a total of four months).

*Duty travel:* to visit collaborating institutes and regional offices; and attend international meetings on veterinary public health and related subjects.

*Expert Committee* (see page 90).

*Food hygiene (Food microbiology):* to review health aspects of the microbiological content of foodstuffs with a view to recommending internationally acceptable analytical and microbiological methods of sampling and examination, and also guidelines for the interpretation of results that can be used by countries at different stages of development. The committee will also review and recommend collaborative work leading to the establishment of microbiological standards for the more important foods. (Seven members).

#### 4.7.4 Virus Diseases

(See page 70)

##### *Functions*

- (1) to advise on the Organization's technical policy on rickettsial and virus diseases other than smallpox, and on virus vaccines;
- (2) to advise on the technical planning, implementation and evaluation of field studies and projects;
- (3) to develop the virus research programme;
- (4) to collect, appraise and disseminate technical information;
- (5) to promote, co-ordinate and assess research, in co-operation with governmental and non-governmental organizations;
- (6) to service the Expert Advisory Panels on Virus Diseases and on Trachoma.

*Personnel:* five medical officers, two technical assistants, an administrative assistant, a secretary and three clerk-stenographers in 1966. *Proposed in addition for 1967*—a medical officer, a technical assistant and a clerk-stenographer previously financed from the Special Account for Medical Research.

##### *Consultants*

- (a) to visit WHO virus reference centres in order to co-ordinate their work and to advise on the Organization's programme as regards *enteroviruses, respiratory viruses and arboviruses* (two months);
- (b) to review progress in the provision of *reagents for virus laboratories*; and visit producing laboratories to discuss and standardize techniques (two months);
- (c) to review the progress that has been made on *tumour viruses* since the Scientific Group on Viruses and Cancer (1964) and advise on the Organization's programme; and to review studies on *viral chemotherapeutic and chemoprophylactic agents* and advise on the programme (two months);
- (d) to visit WHO reference centres for *trachoma* and advise on the programme; and to review progress on trachoma vaccines and advise on a possible modification of the programme (two months);
- (e) to visit projects being carried out on virus vaccines with particular reference to *respiratory viruses*, review progress since the Scientific Group on Human Virus Vaccines (1965), and advise on future developments (two months).

*Duty travel:* in connexion with the trachoma and poliomyelitis programmes, and the programme for reference reagents and research.

*Other Costs* (see page 86)

- (a) *Scientific group on enteroviruses (including hepatitis):* to review the whole of the enterovirus field, with particular reference to the role of poliomyelitis and the other enteroviruses in gastro-intestinal diseases; since the Expert Committee on Poliomyelitis met in 1960 the situation has changed considerably. The important question of the interference of these viruses with poliovaccine viruses in tropical areas will also be considered (eight members).
- (b) *Meeting of directors of WHO virus reference centres:* to review the work of the reference centres during the year, discuss collaborative research projects, and define the activities of the centres for the following year.



#### 4.7.5 Smallpox Eradication

(See page 70)

##### *Functions*

- (1) to advise on the Organization's technical policy as regards the smallpox eradication programme and promote the co-ordination of eradication activities;
- (2) to develop methods for epidemiological studies and for eradication, and establish technical standards and administrative procedures;
- (3) to develop methods for surveillance of the disease and for assessing the degree of eradication;
- (4) to advise on the production of freeze-dried vaccine for the eradication programme, assist in testing vaccines, and advise on the establishment of smallpox diagnostic and reference laboratories;
- (5) to stimulate and co-ordinate research on smallpox.

*Personnel*: a medical officer and a clerk-stenographer in 1966. *Proposed in addition for 1967* — a second medical officer, a technical assistant and a secretary, to cope with the increasing work connected with the development of smallpox eradication on a global basis.

##### *Consultants*

- (a) to carry out an epidemiological and operational assessment of the present activities in smallpox eradication (six weeks);
- (b) to investigate the most efficient methods of eradication under different conditions (six weeks).

*Duty travel*: for the discussion and review of operational developments.

#### 4.7.6 Parasitic Diseases

(See page 70)

##### *Functions*

- (1) to advise on the Organization's technical policy on the study and control of (i) helminthic diseases, with special reference to ancylostomiasis, ascariasis and bilharzial and filarial infections; (ii) protozoan diseases, such as trypanosomiasis, leishmaniasis and amoebiasis; and (iii) superficial and systemic mycotic infections;
- (2) to promote, co-ordinate and assess research in these fields;
- (3) to advise on the technical planning, implementation and evaluation of field studies and projects;
- (4) to collect, appraise and disseminate technical information;
- (5) to service the Expert Advisory Panel on Parasitic Diseases.

*Personnel*: as for 1966 (see page 70).

##### *Consultants*

- (a) to review snail ecology findings related to the epidemiology of *bilharziasis* and environmental or chemical control of snails; advise on the study of the parasite/intermediate-host relationship and the role of animal reservoir hosts of schistosomes; assist in the programme for community surveys to assess the public health significance of bilharziasis, in preparing standard methods and procedures for bilharziasis diagnosis by clinical and biological methods, and in evaluating the comparative immunological study of helminthic infections; collaborate with field stations in planning pilot tests for the better employment of known molluscicides and the evaluation of new compounds; assess the results of clinical and field trials on the chemotherapy of bilharziasis, and review the therapeutic action of new candidate drugs (a total of four months);
- (b) to assist in preparing a methodology for epidemiological studies of *helminthiasis* and for their control, with special reference to the infections caused by intestinal helminths (six weeks);
- (c) to advise on planning and assist in preparing a methodology for epidemiological investigations of onchocerciasis and other *filarial infections* and for their control (four months);
- (d) to assess the control measures available for *leishmaniasis* and advise on planning control programmes (six weeks);
- (e) to collect information on the public health importance of *mycotic diseases* and assist in developing control programmes (one month).

*Duty travel*: to collaborating research institutions in connexion with helminthic diseases (particularly bilharziasis, filariasis and onchocerciasis) and other parasitic diseases, including trypanosomiasis.

*Expert Committee* (see page 90).

*Control of intestinal helminths*: to attempt to define more precisely the public health importance of ascariasis, particularly as related to malnutrition in children, and to establish guidelines for the conduct of mass control programmes and for their evaluation. This will follow up the Expert Committee on Helminthiasis (1963),<sup>1</sup> which considered in particular the problem of soil-transmitted helminths, and the Expert Committee on Nutrition and Infection (1965).<sup>2</sup> (Eight members).

<sup>1</sup> *Wld Hlth Org. techn. Rep. Ser.*, 1964, 277.

<sup>2</sup> *Wld Hlth Org. techn. Rep. Ser.*, 1965, 314.

#### 4.7.7 Bacterial Diseases

(See page 71)

##### *Functions*

- (1) to advise on the Organization's technical policy as regards the study and control of bacterial diseases, with the exception of gonorrhoea, leprosy and tuberculosis, which are dealt with by other units;
- (2) to advise on the technical planning, implementation and evaluation of field studies and projects in bacterial diseases;
- (3) to advise on the Organization's technical policy as regards bacterial vaccine studies and immunization practices;
- (4) to co-ordinate the work of international and national reference centres dealing with the identification and typing of bacteria;
- (5) to promote, co-ordinate and assess research work on bacterial infections in the laboratory and in the field;
- (6) to collect, appraise and disseminate technical information in this field;
- (7) to advise on the training of technical personnel in bacterial diseases;
- (8) to service the relevant expert advisory panels, including those on Enteric Diseases, on Plague and on Cholera.

*Personnel:* as for 1966 (see page 71).

*Consultants:* to review and analyse the results of studies on the epidemiology and control of cholera and enteric infections, plague, streptococcal, staphylococcal and meningococcal infections, diphtheria, tetanus and pertussis; and to assist in planning future activities in these fields (four months).

*Duty travel:* to visit field activities, collaborating institutions and regions where field and laboratory studies on cholera and other bacterial diseases are under way.

*Expert Committee* (see page 90)

*Coccal infections:* to review progress in the control of coccal infections of public health importance, this being the first expert committee meeting on these infections. Emphasis will be put on (i) streptococcal infections and their sequelae; (ii) staphylococcal infections in general and staphylococcal hospital infections in particular; and (iii) meningococcal infections in Africa and elsewhere. The committee will discuss specific methods of control; analyse the situation in different areas; and consider, among other matters, the use of the streptococcus, staphylococcus and meningococcus reference centres in the study of the epidemiology and prevention of these diseases. (Eight members).

#### 4.7.8 Leprosy

(See page 71)

##### *Functions*

- (1) to advise on the Organization's technical policy as regards leprosy;
- (2) to advise on the technical planning, implementation and evaluation of field studies and projects;
- (3) to promote, co-ordinate and assess research work on leprosy problems in the laboratory and in the field;
- (4) to collect, appraise and disseminate technical information;
- (5) to assist in the training of technical personnel;
- (6) to service the Expert Advisory Panel on Leprosy.

*Personnel:* as for 1966 (see page 71).

##### *Consultants*

- (a) to review studies on the microbiology and serology of leprosy and advise on the WHO programme (two months);
- (b) to review and bring up to date a statement of the "Principles of rehabilitation in leprosy", originally prepared in 1960 (one month).

*Duty travel:* to visit leprosy control projects in India, Nepal and Indonesia; and to inspect the progress of the trial of BCG in the prophylaxis of leprosy, in Burma.

#### 4.7.9 International Quarantine

(See page 71)

##### *Functions*

- (1) to administer the International Sanitary Regulations and international sanitary conventions still in force; this includes advising health administrations and others on international quarantine practice and on the settlement of problems and disputes arising out of these regulations and conventions;
- (2) to maintain a centralized world-wide system of reception of all notifications required by the Regulations, and to disseminate such information by means of the Geneva daily radio-telegraphic bulletin (broadcast from a network of stations) and the *Weekly Epidemiological Record* and other periodic publications;

- (3) to advise on and assist in developing and strengthening countries' quarantine services for international traffic (including national quarantine legislation);
- (4) to advise on matters relating to international quarantine where carriers and transport agencies are concerned, and maintain liaison with ICAO and other international governmental or non-governmental organizations;
- (5) to service the Expert Advisory Panel on International Quarantine and the Committee on International Quarantine.

*Personnel:* as for 1966 (see page 71).

*Consultants:* to assist in applying the International Sanitary Regulations and in organizing quarantine services; assist in the administration of the Regulations; and advise in emergency on outbreaks of quarantinable disease (two months).

*Duty travel:* to advise on international quarantine problems and practices; and attend meetings to co-ordinate health measures applicable to international travellers.

*Expert Committee* (see page 90)

*Committee on International Quarantine:*<sup>1</sup> to review the application of the International Sanitary Regulations, adjudicate as necessary on international disputes not settled by the Director-General, and advise the Health Assembly on quarantine matters (eight members).

*Other Costs* (see page 87)

*Epidemiological telegrams, broadcasts and reports:* the slight increase in the provision is to meet a rise in printing costs.

#### 4.7.10 Global Epidemiological Surveillance

(See page 72)

##### *Functions*

- (1) to promote and co-ordinate advanced epidemiological techniques in the surveillance of communicable diseases, particularly in regard to certain infections of international importance, and assist training in this field;
- (2) to study and improve the monitoring of epidemiological information from the field, in co-operation with regional offices;
- (3) to analyze and assess ecological patterns and changes in them, with a view to making epidemiological forecasts whenever possible;
- (4) to advise and assist in emergency epidemiological situations;
- (5) to promote multi-purpose epidemiological and serological investigations and advise on survey designs in relation to immunological patterns of infection in communicable diseases, in conjunction with other relevant programmes;
- (6) to stimulate research in epidemiological surveillance methodology, including the activities of the serum reference banks, as an integral part of the surveillance programme;
- (7) to collect and disseminate technical information relating to global epidemiological trends.

*Personnel:* an epidemiologist, a technical assistant and a secretary in 1966. *Proposed in addition for 1967* — a second epidemiologist, to meet the increase in research, routine technical work and administration that the 1967 programme in global surveillance and related activities will entail.

##### *Consultants*

- (a) to advise on the development of methodology for specific infections and particular epidemiological situations (two months);
- (b) to appraise technical aspects of the collection, transport and preservation of biological material (two months);
- (c) to review transport and storage record systems and data processing, in collaboration with the serum reference banks and other relevant institutions (two months);
- (d) to evaluate sampling aspects and survey designs in epidemiological-serological investigations in tropical populations (two months).

*Duty travel:* to advise on (i) surveillance activities for specific infections; (ii) epidemiological-serological surveys; and (iii) the utilization of immunological information in the planning of programmes for the surveillance and control of communicable diseases.

<sup>1</sup> The Committee on International Quarantine, which has special functions defined by the World Health Assembly, is included among the expert committees for convenience of presentation.

#### 4.8 PUBLIC HEALTH SERVICES

The Division of Public Health Services will

- (1) assist governments in making surveys and planning for future programmes;
- (2) in collaboration with the Division of Education and Training, study the use and supervision of auxiliary personnel;
- (3) help to organize seminars and other meetings;
- (4) promote and co-ordinate relevant research;
- (5) collect and disseminate technical information, serving as a clearing-house for the exchange of knowledge;
- (6) attend meetings convened by the United Nations and specialized agencies in fields relevant to public health, such as social programmes and community development; and
- (7) represent WHO at international congresses of non-governmental organizations and maintain liaison with such organizations.

##### 4.8.0 Office of the Director

(See page 72)

*Personnel*: as for 1966 (see page 72).

*Duty travel*: to visit regions in connexion with projects related to the work of the Division, and attend international meetings.

##### 4.8.1 Public Health Administration

(See page 72)

*Functions*

- (1) to co-operate with regional offices in providing services to governments for the strengthening of national health administrations, or in relation to general health services established or developed in conformity with national programmes of social and economic development;
- (2) to study country and regional projects in public health administration and annual national health reports, and review reports on the health situation of the trust and non-self-governing territories;
- (3) to collect material for and prepare reports on the world health situation and the interim supplements to those reports;
- (4) to advise on the health aspects of international migration;
- (5) to take part in the promotion and facilitation of research in public health practice;
- (6) to collaborate with the United Nations and with other specialized agencies in activities related to broad programmes and concerted action in community and rural development and urbanization, providing advice on the general health aspects of these and related matters;
- (7) to service the Expert Advisory Panel on Public Health Administration.

*Personnel*: as for 1966 (see page 72).

*Consultants*: to assist in studies related to the development of basic health services and in the preparation of relevant papers (four months).

*Duty travel*: to observe the progress of basic health services and their relationship to community development and to programmes for the control or eradication of communicable diseases; and the progress of projects for urban health services.

##### 4.8.2 National Health Planning

(See page 73)

*Functions*

- (1) to develop policies related to national health planning and its methodology;
- (2) to advise on the formulation and execution of national health planning;
- (3) to assist regional offices in providing technical advice and services to governments for the development of long-term national plans in the health field as part of social and economic developments plans;
- (4) to collaborate with the United Nations and the specialized agencies, non-governmental organizations and bilateral agencies in fields related to national health planning;
- (5) to collect and analyse national health plans and organize general information in the field of planning.

*Personnel*: as for 1966 (see page 73).

*Consultants*: to assist with the work arising from the rapid development of the programme in national health planning (three months).

*Duty travel*: in connexion with the implementation of the programme on national health planning.

### 4.8.3 Organization of Medical Care

(See page 73)

#### Functions

- (1) to study and report on the planning, organization and administration of medical care services in general, including all types of hospitals and medical benefits under social insurance, and on matters pertaining to medico-social work;
- (2) to collect and disseminate technical information in these fields, serving as a clearing-house for the exchange of knowledge;
- (3) to promote, co-ordinate and carry out field investigations of the legislative, administrative, architectural, engineering, organizational and financial problems of medical care institutions and services;
- (4) to co-operate in establishing standards, including hospital statistics and records, for the organization of medical care in health centres, rural health services, hospitals, and specialized institutions such as mental hospitals, tuberculosis sanatoria, cancer centres, rehabilitation institutions and leprosaria;
- (5) to service the Expert Advisory Panel on Organization of Medical Care.

*Personnel*: two medical officers, a technical assistant and a secretary in 1966. *Proposed in addition for 1967*—a clerk-stenographer, in view of the increasing workload of the unit.

#### Consultants

- (a) to advise on research projects in the organization of medical care and assist in the analysis of completed studies (one month);
- (b) to assist in preparing for the expert committee on hospital administration described below (one month);
- (c) to study the interrelationship between social security and medical care (one month).

*Duty travel*: to attend international meetings, visit research projects, and travel to one region in connexion with the reorganization of medical care services and to another in connexion with the study of organization of ambulatory care.

*Expert Committee* (see page 90)

*Hospital administration*: to define the main patterns of hospital administration and the possible adaptation of these patterns to different conditions; and to recommend methods of organizing and managing hospital services at all levels, in connexion with public health programmes (eight members).

### 4.8.4 Health Laboratory Services

(See page 73)

#### Functions

- (1) to advise on the planning and organization of public health and hospital laboratory services and blood banks, and assist in developing and strengthening such services;
- (2) to advise on the training of laboratory personnel and on laboratory design, equipment and techniques;
- (3) to co-operate in the standardization of various laboratory reagents and in the formulation of recommended techniques;
- (4) to promote and co-ordinate research on the methodology of testing bacterial sensitivity to antibiotics;
- (5) to service the Expert Advisory Panels on Health Laboratory Services and on Antibiotics.

*Personnel*: as for 1966 (see page 73).

#### Consultants

- (a) to finalize the study of drawings, construction details, services and operation of a central laboratory concerned with clinical and public health laboratory activities, to start in 1966 (one month);
- (b) to assist in a study of the university training of laboratory personnel (two months);
- (c) to advise of the standardization of laboratory reagents (one month);
- (d) to assist in a study of the organization of blood plasma fractionation (one month);
- (e) to assist in a study of protection from and prevention of laboratory hazards (one month).

*Duty travel*: to visit the African Region in connexion with the training of laboratory personnel; to evaluate a general laboratory project and assess the criteria laid down for evaluation; and to attend several international meetings.

*Other Costs* (see page 87)

*Purchase of equipment and reagents*: to allow for the purchase of the laboratory reagents and small laboratory equipment needed to ensure the smooth operation of various projects.

### 4.8.5 Nursing

(See page 74)

#### Functions

- (1) to advise on training for and administration of nursing services at both professional and auxiliary levels;
- (2) to give guidance on the development of legislation in these fields;

- (3) to collect, appraise and exchange information related to nursing education and services;
- (4) to study trends in nursing education and assist in the technical planning and evaluation of related projects;
- (5) to maintain close co-operation with non-governmental nursing organizations in order to stimulate the development of the profession with a view to providing optimum nursing services adapted to changing needs;
- (6) to collaborate with the Maternal and Child Health unit as regards midwifery education and services;
- (7) to promote and co-ordinate research in nursing;
- (8) to give technical advice to other units in the organization of the nursing aspects of their programme;
- (9) to service the Expert Advisory Panel on Nursing.

*Personnel:* as for 1966 (see page 74).

*Consultants*

- (a) to assist in the revision of the *Guide for National Studies of Nursing Resources* (1953) (one month);
- (b) to assist in preparing for a study on nursing administration at national level (one month);
- (c) to prepare, jointly with the Tuberculosis unit, a draft guide for public health nursing functions in tuberculosis control (one month).

*Duty travel:* to attend international meetings and conferences, and to visit field projects in two regions.

#### 4.8.6 Health Education

(See page 74)

*Functions*

- (1) to provide guidance on the planning, organization, and evaluation of the health education aspects of health programmes;
- (2) to promote professional training in health education for health and other personnel, including health education specialists;
- (3) to assist other units in organizing meetings of experts, technical seminars and conferences involving health education;
- (4) to advise on the health education aspects of joint activities with the United Nations and other specialized agencies, particularly those concerned with community development, the pre-service and in-service preparation of school teachers for health education, and the development of improved curricula and programmes for health education in schools, colleges and universities;
- (5) to promote and facilitate studies and research in health education and related social sciences;
- (6) to service the Expert Advisory Panel on Health Education.

*Personnel:* as for 1966 (see page 74).

*Consultants*

- (a) to continue, in collaboration with UNESCO, studies on teacher preparation for health education (two months);
- (b) to assist in a world-wide study of the current status and scope of post-graduate training in health education and the related social sciences provided by schools of public health or equivalent institutions (one month).

*Duty travel:* to review programme activities; attend international meetings; and visit the headquarters of other specialized agencies for consultation.

#### 4.8.7 Maternal and Child Health

(See page 74)

*Functions*

- (1) to provide technical advice on the administration and organization of maternal and child health services, including school health programmes;
- (2) to advise on training for and administration of midwifery and maternity care services at both professional and auxiliary levels;
- (3) to collaborate in the programme of the International Children's Centre, Paris;
- (4) to maintain liaison with the United Nations Office of Social Affairs, UNICEF and the specialized agencies in fields of common interest, particularly those concerned with long-term activities for children;
- (5) to service the Expert Advisory Panel on Maternal and Child Health.

*Personnel:* as for 1966 (see page 74).

*Consultants*

- (a) to assist in preparing for the expert committee on the prevention of perinatal mortality and morbidity described below (one month);
- (b) to assist in establishing criteria for the evaluation of maternal and child health field activities, with particular reference to indices of child health (two months).

*Duty travel:* to attend meetings, visit maternal and child health projects in the regions, and supervise research projects.

*Expert Committee* (see page 90).

*Prevention of perinatal mortality and morbidity:* to review recent advances in clinical techniques and knowledge of the pathophysiology of pregnancy, labour and the neonatal period, and make recommendations on how they can be applied in different circumstances (eight members).

**4.8.8 Human Reproduction**

(See page 75)

*Functions*

- (1) to promote and co-ordinate the research necessary for the better understanding of the medical aspects of human reproduction;
- (2) to encourage and initiate relevant research activities and supervise them to the point at which they would provide practical procedures for public health programmes on fertility control and the prevention and treatment of sterility;
- (3) to establish and keep up to date a documentation centre for biomedical literature on all aspects of human reproduction;
- (4) in co-operation with other units concerned, to provide advisory services on request to governments on the medical aspects and treatment of sterility and on medical aspects of fertility control methods;
- (5) to co-operate with other units concerned on research on health aspects of population dynamics;
- (6) to service the Expert Advisory Panel on the Biology of Human Reproduction.

*Personnel:* a medical officer and a clerk-stenographer in 1966. *Proposed in addition for 1967*—a medical officer, a technical assistant and a secretary, in view of the expansion of the research activities under the human reproduction programme.

*Consultants:* to assist in developing studies on the medical aspects of fertility control methods (three months).

*Duty travel:* to visit centres and laboratories in connexion with the research programme in human reproduction; and to attend international meetings.

**4.9 HEALTH PROTECTION AND PROMOTION**

The Division of Health Protection and Promotion will

- (1) collect and disseminate scientific information on the etiology, epidemiology, pathology and public health control of the more important non-communicable diseases; on health problems related to the effects of ionizing radiation and occupational hazards; and on problems of human genetics in relation to health and disease;
- (2) in collaboration with the Division of Education and Training, study the training of professional and non-professional personnel;
- (3) promote and co-ordinate research in the fields covered;
- (4) collaborate with the United Nations, other specialized agencies and the International Atomic Energy Agency on programmes of common interest, and with non-governmental organizations working in the particular fields covered by the Division.

**4.9.0 Office of the Director**

(See page 75)

*Personnel:* the Director, an administrative assistant and a secretary in 1966. *Proposed in addition for 1967*—a clerk-stenographer, in view of the increase in the workload of the Division.

*Duty travel:* to visit the regions in connexion with projects related to the work of the Division; and to attend international meetings.

**4.9.1 Social and Occupational Health**

(See page 75)

*Functions*

- (1) to provide technical guidance on occupational health (including health of seafarers and aviation medicine), sports medicine, accident prevention, forensic medicine and medical rehabilitation of the physically handicapped;

- (2) to co-operate with the International Labour Organisation on programmes of common interest; and with the United Nations, other specialized agencies and the International Atomic Energy Agency, as relevant;
- (3) to promote, co-ordinate and conduct epidemiological studies on occupational health and related problems; and
- (4) to service the Expert Advisory Panels on Occupational Health, on the Health of Seafarers, and on Rehabilitation.

*Personnel:* a medical officer, a scientist and a secretary as in 1966, the posts of a second medical officer and a clerk-stenographer being discontinued. *Proposed in addition for 1967*—a medical officer and a secretary, previously financed from the Special Account for Medical Research.

*Consultants*

- (a) to assist in preparing for the expert committee on criteria for threshold limit values of exposure to toxic substances, described below (one month);
- (b) to study work physiology and ergonomics in developing countries and the adjustment of work to man, with a view to advising on the need for demonstration centres and training courses (one month);
- (c) to make a review of current problems in aviation medicine (one month).
- (d) to help in preparing for the scientific group described below (one month);
- (e) to prepare an outline for a manual on health in agriculture (one month);
- (f) to advise on the development of the Organization's programme in human physiology and ecology, with particular reference to collaboration with the International Biological Programme (one month).

*Duty travel:* in connexion with activities in occupational health, aviation medicine, medical rehabilitation and work physiology; and to attend various international meetings.

*Other Costs* (see page 86)

*Scientific group on health factors involved in working under conditions of physical stress:* to discuss the response of the human organism to work under arduous physical conditions, in terms both of adaptive reactions and of possible damage to health (nine members).

*Expert Committee* (see page 90)

*Criteria for threshold limit values of exposure to toxic substances:* to discuss criteria for and recommend an international list of such values. The expert committee will follow up the meeting on the international study of normal values for toxic substances in the human body (1965), and will be composed of experts in occupational health, toxicologists and industrial hygienists (eight members).

#### 4.9.2 Mental Health

(See page 76)

*Functions*

- (1) to advise on the organization and development of community mental health services, including neurological aspects designed to advance prevention and treatment, within the framework of overall public health services; on methods for the prevention and treatment of mental disorders (including mental deficiency) and the rehabilitation of psychiatric patients; on the mental health of the child and family and other applications of child psychiatry; on the psychiatric aspects of prevention of crime and treatment of offenders; on the effects on mental health of technological change and change in cultural patterns; and on the psychiatric aspects of alcoholism and drug dependence;
- (2) to promote, co-ordinate and evaluate research with special reference to the epidemiology of mental disorders, social psychiatry, biological psychiatry including neurology, and the development of a generally acceptable nomenclature and classification for psychiatric and neurological disorders;
- (3) to co-ordinate the psychiatric and neurological aspects of programmes handled jointly with other specialized agencies and with the United Nations, in particular the social defence programme;
- (4) to collaborate with non-governmental organizations working in this field, in particular the World Federation for Mental Health;
- (5) to service the Expert Advisory Panel on Mental Health.

*Personnel:* as for 1966 (see page 76).

*Consultants:* to assist in

- (a) following up the work, started in 1964, on drafting an international guide for the compilation of psychiatric statistics (one month);
- (b) preparing for the expert committee on organization of services for the mentally subnormal, described below (one month);
- (c) following up the work of the 1966 expert committee on organization of services for the prevention and treatment of alcoholism, and its implications for the treatment of drug addicts (one month);
- (d) advising on the implementation of mental health principles in public health activities, particularly in basic health services (one month);
- (e) bringing up to date the work of the expert committee on mental health (1954) which studied legislation affecting psychiatric treatment (one month);<sup>1</sup>
- (f) preparing for the scientific group on the biochemistry of the brain, described below (one month);

<sup>1</sup> *Wld Hlth Org. techn. Rep. Ser.*, 1955, 98.



*Duty travel:* to assist in the planning and developing of mental health activities; to attend international meetings; and to visit organizations, centres and individual investigators in connexion with the research programme.

*Other Costs* (see pages 86 and 87)

(a) *Meeting on comparative research in specific mental disorders:* to continue the programme of long-term comparative field research on clinical, epidemiological and social aspects of specific mental disorders—a meeting of the principal investigators from co-operating centres, to evaluate methods used and data collected, and to discuss future plans.

(b) *Scientific group on the biochemistry of the brain:* to consider means of co-ordinating research on the biochemistry of the brain, in accordance with the recommendations of the Scientific Group on Mental Health Research (1964), which emphasized the importance of developing specific aspects of biological research in psychiatry. The participants will be psychiatrists, neurologists and biochemists (nine members).

*Expert Committee* (see page 90)

*Organization of services for the mentally subnormal:* to consider the organization, in co-operation with public health and educational authorities, of services for the mentally subnormal. This will follow up the work of the Joint Expert Committee on the Mentally Subnormal Child held in 1953.<sup>1</sup> (Eight members).

### 4.9.3 Nutrition

(See page 76)

#### Functions

- (1) to provide technical guidance on nutrition in relation to the maintenance of health and the prevention of diseases such as protein-calorie malnutrition, endemic goitre, pellagra, beri-beri, nutritional anaemias, and nutritional diseases of the eye;
- (2) to take responsibility for the work undertaken by WHO, through the Protein Advisory Group, on the joint FAO/UNICEF/WHO programme for the development of protein-rich foods;
- (3) in co-operation with FAO, to study public health problems of food additives and contaminants; and to collect, disseminate and appraise information on the physical, chemical and pharmacological properties of such additives and contaminants;
- (4) to give technical guidance on education in nutrition;
- (5) to initiate, promote and co-ordinate research on aspects of nutrition that require international collaboration;
- (6) to advise the World Food Programme on the nutrition aspects of its activities;
- (7) to service the Expert Advisory Panels on Nutrition and on Food Additives; and, in co-operation with FAO, the *Codex Alimentarius* Commission.

*Personnel:* as for 1966 (see page 76).

#### Consultants

- (a) to develop methodology for studying the epidemiological aspects of malnutrition in young children (six weeks);
- (b) to prepare an outline for a manual on nutrition in public health intended for public health workers (six weeks);
- (c) to assist in the planning and expansion of WHO training programmes in nutrition (one month);
- (d) to review toxicological data on food additives suggested by the *Codex Alimentarius* Committee on Food Additives (one month);
- (e) to review new toxicological data on a number of food additives already considered (one month);
- (f) to review toxicological data on pesticide residues (two months);
- (g) to advise on various health aspects of food standards (one month).

*Duty travel:* to visit institutes concerned with problems of nutrition and food additives; and to attend inter-agency and international meetings, training courses and regional nutrition committee meetings.

*Other Costs* (see page 87)

*Meeting on iron deficiency and megaloblastic anaemias:* to discuss and analyse the results of research on iron deficiency and megaloblastic anaemias, and make recommendations for further action in the light of the widespread investigations that have been carried out in recent years.

*Expert Committees* (see page 90)

(a) *Food additives (FAO/WHO):* to draw up specifications for and evaluate the toxicity of a number of food additives suggested by the *Codex Alimentarius* Committee on Food Additives (six WHO members).

(b) *Toxicity of pesticide residues (FAO/WHO):* to evaluate the toxicity of a number of pesticides leaving residues in food. The compounds considered will be those suggested by the *Codex Alimentarius* Committee on Pesticide Residues (six WHO members).

<sup>1</sup> *Wld Hlth Org. techn. Rep. Ser.*, 1954, 75.

#### 4.9.4 Dental Health

(See page 76)

##### *Functions*

- (1) to provide technical guidance on the organization of dental health services and the application of methods for the prevention of oral diseases;
- (2) to advise on programmes of dental education and the training of auxiliary personnel, and to co-ordinate international efforts to provide dental manpower for developing countries;
- (3) to promote and assist in the development of training programmes for dentists in schools of public health;
- (4) to promote and co-ordinate dental health research activities requiring international collaboration;
- (5) to maintain liaison with the programme of the International Dental Federation;
- (6) to service the Expert Advisory Panel on Dental Health.

*Personnel*: as for 1966 (see page 76).

*Consultants*: to assist in

- (a) the preparation of manuals on dental health survey techniques (two months);
- (b) the development of a research programme on the epidemiology of dental diseases (one month).

*Duty travel*: to help with programme planning and field projects in dental health; and to attend international meetings.

#### 4.9.5 Cardiovascular Diseases

(See page 77)

##### *Functions*

- (1) to collect and disseminate knowledge on the pathogenesis, clinical diagnosis, treatment and prevention of cardiovascular diseases;
- (2) to advise on the possible public health applications of developments in this field;
- (3) to promote and co-ordinate studies on major cardiovascular diseases;
- (4) to service the Expert Advisory Panel on Cardiovascular Diseases.

*Personnel*: two medical officers, a scientist, a secretary and a clerk-stenographer in 1966. *Proposed in addition for 1967*—a medical officer to deal with cerebrovascular disease.

*Consultants*: to contribute to studies on the prevalence and prophylaxis of rheumatic heart disease, cerebrovascular disease, chronic cor pulmonale, arterial hypertension and cardiomyopathies (a total of three months).

*Duty travel*: to visit collaborating institutions in connexion with the implementation of the programme; and to attend international meetings.

*Other Costs* (see page 87)

- (a) *Meetings on ecological studies of atherosclerosis, ischaemic heart disease and cerebrovascular disease*: a series of three meetings to continue the study begun in 1963. Participants from co-operating laboratories will meet to grade pathological specimens and to evaluate the investigations made on populations.
- (b) *Meeting on the etiology of cardiomyopathies*: to enable investigators to assess pathological specimens and to evaluate the clinical studies begun in 1964.
- (c) *Supply of drugs and small laboratory equipment*: to provide for the purchase of drugs, chemicals and minor apparatus needed to ensure the smooth operation of various projects.

#### 4.9.6 Cancer

(See page 77)

##### *Functions*

- (1) to provide technical guidance on the development of cancer control programmes, with special reference to early detection and prevention;
- (2) to review, at regular intervals, progress in the development of cancer treatment, with special attention to new chemotherapeutic agents;
- (3) to promote, co-ordinate and develop epidemiological studies on cancer sites in specific areas;
- (4) to develop internationally recognized classifications and nomenclature of pathological lesions of the most important cancer sites;
- (5) to assist in developing cancer research through the provision of tumour-bearing animals and frozen tissue cultures;
- (6) to maintain liaison with other international programmes in the field of cancer;
- (7) to service the Expert Advisory Panel on Cancer.

*Personnel*: as for 1966 (see page 77).

*Consultants*

- (a) to advise on the implementation of pilot projects in cancer control in the regions (two weeks);
- (b) to prepare documentation for the proposed tentative classification of tumours of the uterus (cervix, corpus and placenta), and assist in planning the establishment of an international reference centre (two weeks);
- (c) to prepare documentation for the proposed tentative classification of testicular tumours, and assist in planning the establishment of an international reference centre (two weeks);
- (d) to assist in the development of a programme for the evaluation of cancer treatment (two weeks);
- (e) to prepare final texts of publications on the histological classifications proposed respectively by the international reference centres for soft-tissue, thyroid and bone tumours (one month).

*Duty travel:* to the regions in connexion with the main activities of the cancer programme; and to attend international meetings.

*Other Costs* (see page 87)

- (a) *Meetings on cancer classification:* four meetings of investigators to make definitive recommendations on the classification of (i) bone tumours, and (ii) ovarian tumours; and to review the work done by the international reference centres on (i) odontogenic tumours, and (ii) urinary bladder tumours.
- (b) *Scientific group on the histopathological nomenclature and classification of uterine tumours:* to study the pathological and epidemiological aspects of these tumour types, and to advise on the establishment of a new international reference centre (eight members).

**4.9.7 Radiation and Isotopes**

(See page 77)

*Functions*

- (1) to advise on (i) the health problems associated with ionizing radiation and radioactivity, including the effects of radiation on human heredity; (ii) the public health aspects of atomic energy activities; (iii) the use of X-rays, other ionizing radiations and radionuclides in medicine and health work;
- (2) to assist in developing and strengthening national programmes in radiation health;
- (3) to assist in the sound development of the use of radiation and radioactive materials in health work;
- (4) to co-operate with other organizations that have related interests, in particular the International Atomic Energy Agency, the specialized agencies (mainly FAO, ILO and UNESCO) and the United Nations (particularly the Scientific Committee on the Effects of Atomic Radiation);
- (5) to co-operate with non-governmental organizations such as the International Commission on Radiological Protection and the International Commission on Radiological Units and Measurements;
- (6) to service the Expert Advisory Panel on Radiation.

*Personnel:* as for 1966 (see page 77).

*Consultants:* to contribute to

- (a) the establishment and strengthening of national radiation health programmes (one month);
- (b) the programme of inspection and development of improved radiation safety and performance of X-ray and other equipment and instrumentation used in WHO-assisted and related projects (one month);
- (c) international comparisons of radiation measurement standards (one month);
- (d) the development of improved methods for, and the preparation of manuals on, radiation protection and radiation medicine (one month);
- (e) the development of a co-ordinated WHO programme in medical physics related to various aspects of the Organization's activities (one month);
- (f) the technical preparations for, and attendance at, conferences, meetings or training courses organized by WHO or other international bodies with which WHO is co-operating (one month).

*Duty travel:* to visit regional offices and countries where radiation activities are developing, and areas where training and assistance are required in radiation protection and in the medical use of radiation and radioisotopes; to conduct surveys and studies of national and international programmes in fields connected with WHO's programme; to attend international meetings; and to maintain liaison with the international organizations with which WHO is co-operating.

*Expert Committee* (see page 90)

*Hospital radiological services:* to consider the increasingly important role of radiological physicists in hospital radiological services and in radiation protection; indicate the training and facilities they require; and make recommendations as to practical ways in which the needs of hospitals, particularly in developing countries, can be most effectively met (eight members).

#### 4.9.8 Human Genetics

(See page 78)

##### *Functions*

- (1) to provide technical guidance and advice on human genetics, with particular reference to the genetic basis of health and disease;
- (2) to co-operate with other international organizations that have related interests;
- (3) to service the Expert Advisory Panel on Human Genetics.

*Personnel:* as for 1966 (see page 78).

##### *Consultants:* to assist in

- (a) setting up research projects in human genetics and establishing diagnostic laboratories for haemoglobinopathies (two months);
- (b) developing the WHO programme in chemical mutagenesis (two weeks);
- (c) preparing for the scientific groups described below (six weeks).

*Duty travel:* to advise on programmes connected with human genetics; attend international meetings; and maintain liaison with the headquarters of the international organizations with which WHO is co-operating.

##### *Other Costs* (see page 87)

- (a) *Scientific group on inborn errors of metabolism:* to consider the detection and treatment of inborn errors of metabolism that are of public health significance. The group will include geneticists, biochemists, paediatricians and other clinicians (eight members).
- (b) *Scientific group on genetics and the immune response:* to discuss current studies on inherited differences in disease response, and make proposals for future research on the genetic component in the immune response (eight members).

#### 4.9.9 Gerontology and Chronic Non-communicable Diseases

(See page 78)

##### *Functions*

- (1) to provide technical guidance on (i) health problems of aging and the health care of the aged; and (ii) chronic non-communicable diseases that are not otherwise covered (e.g. rheumatism and arthritis, and endocrine disorders);
- (2) to promote, co-ordinate and assist in carrying out studies on chronic non-communicable diseases, with special reference to early detection and prevention, and on aging;
- (3) to collaborate with non-governmental international organizations working in these fields, especially the International League against Rheumatism and the International Diabetes Federation;
- (4) to service the relevant expert advisory panels.

*Personnel:* a medical officer and a secretary.

##### *Consultants*

- (a) to assist in preparing for the expert committee on health promotion and protection of the aging, described below (one month);
- (b) to study present criteria for the diagnosis of chronic degenerative arthroses and present-day methods of treatment and rehabilitation (one month).

*Duty travel:* in connexion with work on health problems of the aged and on chronic non-communicable diseases; and to attend various international meetings.

##### *Expert Committee* (see page 90)

*Health promotion and protection of the aging:* to review, discuss and recommend appropriate measures for the health promotion and protection of the aging and aged, in the context of a public health programme (eight members).

#### 4.10 ENVIRONMENTAL HEALTH

The Division of Environmental Health will

- (1) promote the planning and organization of sanitation services, the improvement of urban and rural sanitation, and the collection and dissemination of technical information;
- (2) advise on, and where necessary promote, studies of environmental health problems arising from urbanization and industrialization;
- (3) advise on community water supply, waste disposal, housing, food sanitation, environmental pollution, and the establishment of pertinent standards and specifications;

- (4) assist in education and training activities for personnel in environmental health work;
- (5) advise and assist the regional offices in the planning and implementation of their programmes in environmental health;
- (6) encourage, promote and co-ordinate research in the broad field of environmental health;
- (7) collect, appraise and disseminate information in this field;
- (8) service the Expert Advisory Panel on Environmental Health;
- (9) maintain liaison with the United Nations, the specialized agencies, non-governmental organizations and professional bodies in fields bearing on environmental health.

#### 4.10.0 Office of the Director

(See page 78)

*Personnel:* as for 1966 (see page 78).

*Duty travel:* to regional offices and field activities, in order to discuss developments in, and the assessment and co-ordination of, environmental health programmes; and to attend international meetings.

#### 4.10.1 Wastes Disposal

(See page 79)

##### *Functions*

- (1) to advise on and assist in the planning, organization and implementation of national and local programmes for the collection, treatment and disposal of wastes;
- (2) to give technical guidance on the collection, treatment, disposal and laboratory examination of sewage and industrial wastes;
- (3) to plan and advise on the collection, treatment and utilization of solid community wastes;
- (4) to collect, appraise and disseminate information on technological developments in the processes and operations of wastes treatment, and stimulate and co-ordinate research in these fields.

*Personnel:* as for 1966 (see page 79).

##### *Consultants*

- (a) to assist in a study of simplified and economic designs for water-borne sewage disposal systems suitable for small communities and housing areas in developing countries (one month);
- (b) to assist in a detailed study of research projects and developmental programmes for simplified and economic methods and processes of wastes treatment and disposal which might be sponsored by WHO (one month);
- (c) to assist in a study of methodology for the planning, financing and management of programmes for the collection and disposal of solid wastes in growing urban areas (one month).

*Duty travel:* in connexion with waste disposal programmes, and for attendance at meetings and conferences of interest to the unit.

#### 4.10.2 Environmental Pollution

(See page 79)

##### *Functions*

- (1) to collect information on the situation and trends in air, soil, surface and ground-water pollution, bringing existing data up to date, and disseminating such information through appropriate channels;
- (2) to encourage and promote pollution prevention and control policies and advise on suitable programmes;
- (3) to collaborate in the study of methodology for ascertaining the effects of organic, inorganic, biological and radioactive pollutants on man, on treatment processes and on the environment; in developing improved survey techniques and instrumentation for the evaluation of pollution levels and trends; and in the interpretation of data;
- (4) to collaborate in providing technical guidance and advice on the environmental aspects of ionizing radiations (especially from radioactive wastes and other radioactive substances released into the environment) and on the environmental health aspects of the peaceful uses of outer space;
- (5) to promote uniformity in nomenclature, analytical procedures and expression of results, and encourage the training of personnel in environmental pollution control;
- (6) to stimulate research into the effects on human health and on the environment of all kinds of pollutants, their identification and quantitative estimation, the establishment of internationally agreed criteria, guides and standards, and the improvement of control measures;
- (7) to service the Expert Advisory Panel on Air Pollution.

*Personnel:* as for 1966 (see page 79).

*Consultants*

- (a) to make a study of special water pollution problems in developing countries and advise on suitable control measures, in preparation for the expert committee described below (one month);
- (b) to make a study of environmental pollution problems created by or associated with power stations, as a guide in the development of power stations of different types and locations in various countries (one month).
- (c) to prepare a study on the engineering aspects of public health hazards associated with radioactive waste, and on environmental monitoring (one month).

*Duty travel:* to advise on environmental pollution programmes and co-ordination with other agencies; visit selected research centres and institutions; and represent the Organization at meetings of the International Atomic Energy Agency, the World Meteorological Organization and other international organizations.

*Expert Committee* (see page 90)

*Water pollution:* to review information and experience and advise on measures to deal with pollution in arid and semi-arid regions, and in those developing countries where wide seasonal variations in precipitation create special pollution problems. The committee will pay particular attention to problems of water re-use and to the effects on water quality of agricultural practices and industrial development in those areas (eight members).

**4.10.3 Sanitation Services and Housing**

(See page 79)

*Functions*

- (1) to provide technical guidance on the planning, organization and operation of sanitation services at all levels of health administration;
- (2) to advise on education and training programmes for sanitary engineers and other sanitation personnel;
- (3) in co-operation with other units concerned, to advise on food sanitation, e.g. the sanitary inspection of food establishments, sampling, field tests, and instruction of food-handlers;
- (4) to study and advise on the sanitation problems of transport and of transient populations, and on sanitation in emergencies or disasters;
- (5) to advise on the engineering and sanitation aspects of communicable disease control (e.g. control of diarrhoeal diseases);
- (6) to advise on the public health aspects of housing, town and country planning and urbanization programmes.

*Personnel:* as for 1966 (see page 79).

*Consultants*

- (a) to advise on specific aspects of training programmes for sanitary engineers (two months);
- (b) to complete, in collaboration with the United Nations and other international bodies concerned, the preparation of a guide to the hygiene and sanitation of tourist facilities (two months);
- (c) to assist with the development of studies on the public health aspects of housing (one month).

*Duty travel:* in connexion with the sanitary engineering training programme, and housing and community sanitation activities.

*Expert Committee* (see page 90)

*Sanitary engineering training programmes:* to review trends in the formulation of sanitary engineering training programmes in schools of engineering and of public health; identify the nature and scope of the special academic preparation required by engineers who will later be concerned with environmental health problems; and make technical recommendations on academic and other training programmes, and on ways of stimulating interest in and support for educational programmes (eight members).

**4.10.4 Environmental Biology**

(See page 80)

*Functions*

- (1) to promote and co-ordinate basic biological research necessary for the better understanding and improved control of environmental health problems;
- (2) to encourage and initiate relevant research activities and supervise them to the point at which they begin to yield practical procedures for operational application by the appropriate units;
- (3) to clarify ecological problems caused by microchemical contaminants in the environment, with a view to facilitating the eventual development of standard biological procedures for monitoring and evaluating such environmental pollution;
- (4) to develop (i) basic ecological research necessary for the development and standardization of biological methods for monitoring atmospheric pollution; (ii) basic limnological research necessary for the development and standardization of biological methods for monitoring raw water quality; (iii) basic biological research leading to improved understanding of the role of living organisms in water purification and waste treatment processes; and (iv) basic ecological research leading to improved understanding and control of vectors of disease, with emphasis on a long-term programme that will ultimately yield the new types of biological control procedures that are required for the development and standardization of effective integrated control methodologies.

*Personnel:* as for 1966 (see page 80).

*Consultants:* to advise on

- (a) the biological monitoring of microchemical contaminants in the environment (one month);
- (b) biological procedures for water treatment (one month);
- (c) the biological control of invertebrates of public health importance (one month).

*Duty travel:* to co-ordinate biological research work related to environmental health needs; and to attend international meetings.

#### 4.10.5 Community Water Supply

(See page 80)

*Functions*

- (1) to advise on the policies and procedures that guide the Organization's community water supply programme, and on the application of fundamental scientific knowledge to water supply and water treatment;
- (2) to advise on all aspects of community water supplies, including investigative and developmental work for improved utilization of national and local resources;
- (3) to promote and assist in the planning and development of community water supply activities and organizations, the application of new methods for the managerial, financial and legal aspects of water supply, and the training of personnel;
- (4) to develop research on (i) more efficient, versatile and economical methods of water supply, (ii) improved water treatment processes, (iii) the role of water supplies in public health and in social and economic progress, and (iv) the application of operational research and systems analysis to water supply problems;
- (5) to stimulate and assist in the establishment of international standards for drinking-water quality, water examination for that purpose, equipment and materials, and design and operation of community water supplies.

*Personnel:* as for 1966 (see page 80).

*Consultants*

- (a) to assist in co-ordinating research on water supply and treatment (one month);
- (b) to advise on the planning of national programmes for training community water supply personnel (two months).

*Duty travel:* in connexion with community water supply programmes and the co-ordination of research on water supply; and for attendance at international meetings.

### 4.11 EDUCATION AND TRAINING

The Division of Education and Training will

- (1) advise on the technical policies for the education programme of the Organization;
- (2) study trends and developments in medical (undergraduate and postgraduate), public health, auxiliary and related education;
- (3) assist in the technical planning, execution and evaluation of projects in education;
- (4) assist other units by participating in or advising on the educational aspects of programmes with which they are concerned;
- (5) co-operate with other agencies, organizations and institutions in this field;
- (6) promote the advancement of educational concepts, standards and methods by collecting and transmitting information, organizing the exchange of experience by meetings, visits or studies as appropriate, and advising on individual problems;
- (7) maintain close liaison with research activities pertinent to education and training, in view of their significance for education in medicine and public health and for the development of teaching institutions;
- (8) service the Expert Advisory Panel on Professional and Technical Education of Medical and Auxiliary Personnel.

#### 4.11.0 Office of the Director

(See page 80)

*Personnel:* as for 1966 (see page 80).

*Duty travel:* to visit regional offices and certain countries in connexion with the development of training facilities, assistance to education programmes in the developing countries, and co-operation with other organizations; and to attend international meetings.

#### 4.11.1 Fellowships

(See page 81)

##### *Functions*

- (1) to advise on and co-ordinate the policies and procedures that guide the Organization's fellowships programme;
- (2) to assist regional offices in the implementation of their programmes, with particular reference to inter-regional fellowships, and co-operate with the United Nations, the specialized agencies, and other bodies that have fellowships programmes;
- (3) to continue the study on the evaluation of fellowships, and maintain the directory and statistics of WHO fellows;
- (4) to study the reports of fellows, record the training facilities used by them, and review courses attended by them with a view to meeting fellows' requirements.

*Personnel:* as for 1966 (see page 81).

##### *Consultants*

- (a) to review the difficulties encountered by WHO fellows pursuing basic medical studies, and the measures taken to meet them (one month);
- (b) to make a study of the place of fellowships in health planning and development (one month).

*Duty travel:* to assist in co-ordinating fellowship procedures and evaluating fellowships; visit institutions of actual or potential value to fellows; attend international meetings; and follow up the recommendations of expert advisory bodies on the appraisal of fellowships.

#### 4.11.2 Education in Medicine and Allied Subjects

(See page 81)

##### *Functions*

- (1) to advise on the survey, appraisal and planning of undergraduate and post-graduate medical education as part of the measures to meet the needs of countries for more and better-trained medical personnel;
- (2) to collaborate with other units on the training of paramedical personnel;
- (3) to guide the recruitment of appropriate international personnel as "visiting professors";
- (4) to deal with questions relating to the exchange of experience in teaching and scientific matters through international congresses and other forms of co-operation;
- (5) in co-operation with other units concerned, to prepare or revise certain special publications such as the *World Directory of Medical Schools*.

*Personnel:* as for 1966 (see page 81).

##### *Consultants*

- (a) to explore the question of introducing preventive and social aspects into the teaching of the clinical subjects of the medical curriculum (two months);
- (b) to report on different methods of practical instruction in the basic medical sciences and on the use of integrated laboratories (three months).

*Duty travel:* in connexion with the survey, appraisal and planning of medical education, particularly with regard to the developing countries and work undertaken jointly with other agencies; and for attendance at international meetings.

#### 4.11.3 Public Health Education and Training

(See page 81)

##### *Functions*

- (1) to assist in meeting the needs of countries for more and better-prepared medical and allied personnel by surveying, appraising and planning (i) the education of medical and allied personnel in public health and in social and preventive medicine; (ii) post-graduate education in public health and all its special fields; and (iii) the training of auxiliary health personnel of all types;



- (2) to advise on matters relating to education in public health, preventive medicine and the teaching of auxiliaries, and to co-operate with other units on special aspects of these subjects;
- (3) to assist in the recruitment of international public health personnel required to assist institutions or advise governments on matters relating to education in public health.

*Personnel:* as for 1966 (see page 81).

*Consultants*

- (a) to assist in preparing for the expert committee on the training of medical assistants and similar personnel, described below (two months);
- (b) to assist in the elaboration and practical application of a previous study on the integration of preventive medicine into textbooks of general medicine (two months).

*Duty travel:* in connexion with the teaching of preventive medicine in medical schools, assistance to schools of public health and the problem of standards and recognition, and the promotion of co-ordinated schemes of auxiliary personnel training; and for attendance at international meetings.

*Expert Committee* (see page 90)

*Training of medical assistants and similar personnel:* to review experience to date, including the surveys made by consultants in 1965 and 1966, and make recommendations on the training and utilization of medical assistants and similar personnel whose duties characteristically include limited responsibility for deciding on the diagnosis and treatment of patients (eight members).

#### 4.12 EDITORIAL AND REFERENCE SERVICES

The Division of Editorial and Reference Services will be responsible for:

- (1) supervising and co-ordinating the different elements of the publishing service;
- (2) editing, translating, producing, distributing and selling WHO publications, including periodicals, monographs, technical reports, official records, and occasional publications;
- (3) translating and distributing documents for the Health Assembly and the Executive Board, and working papers for expert committees and other technical meetings;
- (4) translating official correspondence;
- (5) preparing, editing, translating, and distributing verbatim records and minutes of organizational meetings;
- (6) providing an international reference service;
- (7) acquiring, registering or cataloguing, indexing and servicing all books, periodicals, reports and other documents required for the Organization's work;
- (8) procuring technical literature for Member countries.

##### 4.12.0 Office of the Director

(See page 82)

Under this office are included the following functions:

- (1) *Distribution and sales*—shaping sales and distribution policy and adapting it to individual publications; determining the size of impressions of publications; determining a desirable ratio between free and paid distribution; promoting sales through publicity material, sales agents and other means; checking for conformity with standing instructions documents submitted for internal reproduction; establishing and maintaining distribution and mailing lists and transmitting instructions to the distribution service.
- (2) *Graphics*—preparing maps, graphs, charts, and other graphic presentations for publications, official documents, working papers, epidemiological studies, and public information.
- (3) *Printing*—preparing standard and special typographical presentations; planning layouts; formulating specifications for paper and bindings; preparing cost estimates; placing manuscripts with printing houses, controlling receipt and dispatch of manuscript and proofs, checking progress of work, verifying invoices, and maintaining necessary records.
- (4) *Terminology*—finding, proposing, collating and recording corresponding terms in the various languages of publication of the Organization, and providing information on them to translators, editors and other staff members.

*Personnel:* nine professional and twelve general service staff in 1966 (see page 82). *Proposed in addition for 1967*—a documents clerk in the Distribution and Sales unit, to deal with the increase in output of documents and the growing complexity of distribution lists. Increased provision is made for temporary staff to deal with peak periods of work throughout the Division.

*Duty travel:* to arrange examinations for staff appointments; and for consultations with regional offices on their linguistic and reference services and on the sale and distribution of WHO publications.

*Other Costs* (see page 87)

(a) *Printing of publications*: the cost of printing the publications listed on page 88, with the exception of (i) the Russian editions of certain publications, for which provision is made under Contractual Editorial Services (see below); and (ii) the *Official Records* (and related volumes) and the *Technical Report Series*, which are charged respectively as part of the cost of sessions of the Health Assembly and Executive Board, and of meetings of expert committees. The increase over 1966 of \$22 800 is accounted for by increases in printing prices (\$51 300) and by increased numbers of pages (\$5100) and copies (\$4000) of publications—partially offset by the amount of \$37 600, the provision made in 1966 for publishing the International Classification of Diseases, Injuries and Causes of Death.

(b) *Contractual editorial services (including commissioned translations)*: comprising (i) the translating and editing of the Russian editions of the *Official Records* and the *Technical Report Series*, the printing of which is charged under other heads (see paragraph (a) above); (ii) the translating, editing and printing of the Russian editions of *World Health*, the *WHO Chronicle*, the *Bulletin* and non-serial publications; and (iii) a sum of \$12 000 for commissioning other translations and editorial services outside the Organization.

(c) *Sales promotion material*: \$8000 for the printing of catalogues and prospectuses.

#### 4.12.1 Translation

(See page 82)

##### *Functions*

(1) to translate into English, French, Russian and Spanish, as appropriate, material on technical, administrative and financial subjects, including texts intended for publication; documents prepared for, or resulting from, meetings of the Assembly and Executive Board; working papers and reports of expert committees, study groups, scientific groups, and other meetings of experts; and incoming and outgoing correspondence; in special cases, to commission translations from outside experts;

(2) in consultation with WHO technical staff, members of expert advisory panels, editorial units, and the Terminology unit, to establish acceptable and uniform technical and administrative terminology for publications and documents in the languages of issue;

(3) to prepare for press, and proof-read, translated editions of WHO technical publications.

*Personnel*: thirty translators (including sixteen into French, nine into Spanish, three into English and one into Russian) and two clerks in 1966. *Proposed in addition for 1967*—three translators into French, to deal with an increasing volume of translation.

#### 4.12.2 Technical Publications

(See page 83)

##### *Functions*

(1) to edit serial and non-serial publications—including the *Bulletin*, *Chronicle*, *Monograph Series*, *Public Health Papers*, *Technical Report Series* (consisting mainly of the reports of expert committees), and occasional publications—which report or complement the Organization's technical work;

(2) in collaboration with the relevant technical units, to plan symposia issued as special numbers of the *Bulletin* and monographs; critically review and select material submitted for publication from within or outside the Organization; write texts and prepare summaries for publications.

*Personnel*: fifteen editors and two editorial clerks in 1966. *Proposed in addition for 1967*—a junior editor, to assist in dealing with an increased volume of work.

#### 4.12.3 Official Records

(See page 83)

##### *Functions*

(1) to edit volumes in the *Official Records* series, the *Handbook of Resolutions and Decisions*, *Basic Documents*, occasional publications and the minutes of the Executive Board, co-ordinating editions in English, French and Spanish;

(2) during organizational meetings, to prepare verbatim records and minutes.

*Personnel*: as for 1966 (see page 83).

#### 4.12.4 Health Legislation

(See page 83)

##### *Functions*

(1) to search systematically official gazettes and other legislative material in many languages; select, translate or abstract, in English and French, laws and regulations relating to public health for inclusion in the *International Digest of Health Legislation*; and prepare comparative surveys of health legislation;

- (2) to edit this material for publication in the *Digest*, co-ordinating the editions in English and French;
- (3) to provide an information service on health legislation.

*Personnel*: as for 1966 (see page 83).

#### 4.12.5 Library and Reference Services

(See page 83)

##### *Functions*

- (1) to provide an international reference service on health matters in support of WHO programme activities both at headquarters and in the regions, extending this service by close liaison with other international libraries in Geneva, by participation in the Swiss inter-library loan system, and through contacts with other important medical libraries throughout the world;
- (2) to contribute to discussions of bibliographical problems organized by other international organizations;
- (3) systematically to acquire and register or catalogue all books, periodicals, reports and other documents (including documents of the United Nations and its specialized agencies) required for reference; to organize, classify and index this material;
- (4) to prepare bibliographical guides and compile bibliographies for WHO publications and other purposes;
- (5) to provide on request information on public health literature and on medical library organization and methods; procure technical literature for WHO regional offices, field projects and Member governments; and provide training for WHO medical library fellows.

*Personnel*: as for 1966 (see page 83).

*Other Costs* (see page 87).

*Books for library*: as in previous years, \$30 000 for the purchase of books and periodicals, and for binding and photocopying.

#### 4.13 VECTOR CONTROL

(See page 84)

The Office of Vector Control will

- (1) develop collaborative research on the biological, biochemical, physiological and genetic aspects of insecticide resistance of vectors of disease;
- (2) develop collaborative research on all phases of vector biology, ecology and control, disseminate information, and make recommendations on methods for controlling such vectors;
- (3) test biological control agents in the field and develop standardized methods for vector control;
- (4) carry out the programme for the laboratory evaluation and field testing of new insecticides and rodenticides;
- (5) promote studies on the chemical and physical characteristics of pesticides and their formulations, and establish specifications for chemicals used in public health programmes;
- (6) promote studies on equipment for the application and dispersion of pesticides and establish specifications for spraying and dusting equipment used in operational programmes;
- (7) encourage and undertake research and disseminate information on the mode of action of pesticides on mammals, on methods for the early detection of absorption of toxic materials in operational programmes, and on measures to be taken to protect persons and animals coming into contact with pesticides;
- (8) service the Expert Advisory Panel on Insecticides.

*Personnel*: four professional and six general service staff in 1966 (see page 84). *Proposed in addition for 1967*—a clerk-stenographer to help in dealing with the increased volume of work.

##### *Consultants*

- (a) to advise on new developments in the toxicity of pesticides to man (two months);
- (b) to advise on the development of procedures for the disinsection of aircraft and ships (two months);
- (c) to undertake surveys on insecticide resistance and analyse the data obtained (two months);
- (d) to advise on methods for the control of vectors of public health importance (one month);
- (e) to advise on techniques and equipment for the application and dispersion of pesticides (one month).

*Duty travel*: to co-ordinate work on vector control, insecticide resistance, ecology, and the application, toxicity, chemistry and formulation of pesticides; and to visit research units concerned with the development of new insecticides for malaria eradication and for the control of the vectors of other diseases of man.

#### 4.14 PROGRAMME CO-ORDINATION

(See page 84)

The Office of Programme Co-ordination will

- (1) co-ordinate the programme aspects of WHO's work with that of the United Nations, the Expanded Programme of Technical Assistance, the United Nations Special Fund, the United Nations Children's Fund, the specialized agencies, the International Atomic Energy Agency, non-governmental organizations and bilateral programmes;

- (2) assist in co-ordinating specific WHO activities with those of other agencies, organizations or programmes;
- (3) provide staff assistance for the work related to the Administrative Committee on Co-ordination and its Preparatory Committee;
- (4) provide representation at meetings concerned with any of the preceding functions, as necessary.

*Personnel:* as for 1966 (see page 84).

*Duty travel:* to attend Technical Assistance and other programme meetings of the United Nations and the agencies listed under (1) above.

#### 4.15 PROGRAMME FORMULATION AND EVALUATION

(See page 84)

In order to assist in providing a basis for the Director-General's decisions regarding the programme as a whole, including his reports and proposals to the Executive Board and World Health Assembly and his directives to the staff, the Office of Programme Formulation and Evaluation will:

- (1) centralize the analysis and evaluation of the content, accomplishment, orientation and trend of the total programme of the Organization;
- (2) prepare consolidated reports on the scope, needs, problems and opportunities of the programme of the Organization, including the implications of new medical developments and scientific progress;
- (3) stimulate and follow up research work and scientific developments in the methodology of programme formulation, reporting and evaluation, including the econometry of health;
- (4) participate in the preparation of the general programme of work for a specific period, the annual programme and budget, the annual report of the Director-General and retrospective programme reviews as necessary, including reports on the evaluation of WHO work;
- (5) exercise a general co-ordinating function in matters concerning expert panels and committees;
- (6) represent the Organization at meetings as appropriate to the unit's functions.

*Personnel:* as for 1966 (see page 84).

*Consultants:* to review the material collected in the analysis of retrospective reviews of specific programmes, and to discuss the programme formulation and evaluation aspects of such programmes with the technical units concerned; and to give assistance as required in the field of health econometry (a total of three months).

*Duty travel:* to maintain contact with health departments and universities interested in the formulation and evaluation of health programmes and the economics of health; to visit regions in connexion with the evaluation of programmes; and to attend meetings relating to those subjects, especially those within the United Nations system.

#### 4.16 SENIOR STAFF TRAINING

(See page 85)

This office, which reports to the Assistant Director-General responsible *inter alia* for education and training, will

- (1) prepare courses for the training of the various categories of senior technical staff and co-ordinate and implement staff training programmes;
- (2) collect information in connexion with technical staff training programmes from selected institutions which offer courses;
- (3) co-operate with staff responsible for the technical duties of trainees;
- (4) maintain liaison with the Personnel unit;
- (5) develop new instructional and communications methods for staff training;
- (6) take part as required in any other aspects of technical staff training programmes.

*Personnel:* a medical officer and a secretary in 1966. *Proposed in addition for 1967* — a clerk-stenographer, in view of the increasing workload of the unit.

*Duty travel:* visits to schools of public health and other institutes as required in connexion with the organization and implementation of staff training programmes.

#### 4.17 SUPPLY

(See page 85)

The Office of Supply has overall responsibility for all work connected with the purchasing, shipping and invoicing of both medical and administrative equipment and supplies. Certain functions are delegated to regions and to Conference and Office Services at headquarters. Advice and assistance are provided to regional offices on supply matters. On request, certain services are provided to Member States and to the United Nations and its agencies; these are subject to a service charge on purchases, unless they are being made to meet cases of emergency or are in furtherance of an activity planned or carried out with the assistance of WHO.

*Personnel:* as for 1966 (see page 85).

*Duty travel:* to examine sources of supply, negotiate purchases and inspect equipment.

*Other Costs* (see page 87)

*Vaccine testing:* provision for the cost of testing vaccines to establish conformity with WHO recommended requirements.

#### 4.18 DATA PROCESSING

(See page 85)

This service is responsible for the mechanical and electronic processing of technical and other data in the Organization. It is also responsible for, or provides assistance in, the programming of operations for mechanical and electronic processing.

*Personnel:* as for 1966 (see page 85). In addition, provision is made in the amount of \$22 000 for temporary staff, until such time as the detailed permanent staffing requirements have been determined.

*Duty travel:* to study electronic computer installations and the electronic processing of data likely to be used by the Organization.

#### 4.19 INTERPRETATION

(See page 86)

This service is responsible for interpreting from and into English, French, Russian and Spanish the discussions at conferences and other meetings of the Organizations, e.g., the World Health Assembly, the Executive Board, regional committees, expert committees and seminars. The cost of the staff is provided for in the estimates for the various meetings serviced, and the total amount is shown in parenthesis on page 86.

*Personnel:* as for 1966 (see page 86).

## 5. REGIONAL OFFICES

*(For summary of estimates, see page 89)*

### COMPOSITE STATEMENT OF FUNCTIONS AND RESPONSIBILITIES

The general functions and responsibilities common to all regional offices are:

- (1) on behalf of the Director-General, to direct and co-ordinate international health work in the regions and to plan and execute all WHO activities in the respective regions;
- (2) to advise regional committees on the expression in regional policy of general policy laid down by the World Health Assembly, and act as the channel of liaison between the regional committees and the Director-General;
- (3) to maintain contact with governments and appropriate professional groups in the regions and with the local representatives of all agencies (international and other) with which WHO work should be co-ordinated;
- (4) to submit to the Director-General proposals for the annual programme and budget estimates for the regions and any reports or other information requested by the Director-General.

These general functions of regional offices are executed by their staffs under the supervision of the regional directors. The detailed functions and responsibilities of the regional office staff include:

- (a) advising on the technical features of all health work in the region, the planning and execution of projects, health surveys and the fellowships programme; co-ordinating projects and fellowships with country health programmes;
- (b) at the request of governments, providing, directly or through consultants, advice and assistance on the planning and execution of health programmes, on the integration of those programmes into the health services of the country and on the organization and strengthening of the national health services;
- (c) formulating regional annual programmes and budget estimates for submission to the regional committee and, with the regional committee recommendations, to the Director-General;
- (d) evaluating projects in the field;
- (e) handling the decentralized administrative, financial, legal, public information and other related activities of the region necessary for the execution of the field programmes in accordance with the established policies, rules and procedures.

*The detailed requirements for the regional offices are given in Annex 2.*

### ROTATIONAL ADMINISTRATION AND FINANCE STAFF

*(See page 89)*

*Personnel:* as for 1966 (see page 89). These posts were established in order to ensure rotation of the supervisory administrative staff in regional offices, in accordance with the accepted policy of the Organization. The provision allows for such regional staff to take in turn periods of refresher training at headquarters, and for new regional administrative staff to be briefed and trained.

*Duty travel:* to undertake relief duties in the regions as and when required. The provision is the same as for 1966.

## 6. EXPERT COMMITTEES

*For cost estimates and page references to text, see page 90.*

## 7. OTHER STATUTORY STAFF COSTS

*For text, see page 58; for cost estimates, page 102.*

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## PART III : ADMINISTRATIVE SERVICES

### 8.1 OFFICE OF THE DIRECTOR-GENERAL

(See page 92)

*Personnel:* as for 1966 (see page 92).

*Duty travel:* maintained at the same level as for 1966.

### 8.2 OFFICE OF THE ASSISTANT DIRECTOR-GENERAL

(See page 92)

The Assistant Director-General in charge of administration and finance:

- (1) supervises the formulation of policy for, and the functions and operations of, Administrative Co-ordination, Administrative Management and Personnel, Conference and Office Services, Budget, Finance and Accounts, Legal Office, Internal Audit, Supply, and Interpretation;
- (2) advises the Director-General on policies related to administration and finance (including relations with governments and with other international organizations, and relations and co-ordination with the United Nations and its agencies), on the co-ordination of administration and finance with other headquarters activities and the regional offices, and on the legal and constitutional policies of the Organization;
- (3) is responsible for the planning and general administration of administrative, financial, legal and constitutional matters in the Organization, including their technical direction and supervision in regional and field offices;
- (4) develops, within the availability of funds from all sources and on the basis of analysis of proposed programmes, recommendations for a comprehensive plan of action to meet priority needs.

*Personnel:* as for 1966 (see page 92).

*Duty travel:* to attend various United Nations meetings (e.g., the General Assembly and the Economic and Social Council) and the UNICEF Executive Board.

### 8.3 ADMINISTRATIVE CO-ORDINATION

(See page 92)

The Office of Administrative Co-ordination

- (1) assists the Assistant Director-General in the co-ordination of the work of the specialized organizational units carrying out the administrative and financial aspects of the work of the Organization;
- (2) assists the Assistant Director-General in the co-ordination of the administrative and financial aspects of the Organization's work with those of the other organizations in the United Nations system, and with those of bilateral programmes as may be required;
- (3) represents the Organization as necessary at inter-agency secretariat meetings, and at inter-governmental organs, on administrative, managerial, budgetary, financial and personnel policies, administrative practices and procedures of the Expanded Programme of Technical Assistance, the Special Fund, and other extra-budgetary programmes in which WHO may be participating;
- (4) represents the Organization as necessary at inter-agency meetings dealing with the administrative and financial aspects of the work of the Organization, and informs the Assistant Director-General and the organizational units concerned on appropriate action;
- (5) reviews documentation on administration, finance and other related matters for the World Health Assembly and the Executive Board, and their subordinate committees; prepares documentation on matters of administrative co-ordination;
- (6) is responsible for material prepared for the United Nations Advisory Committee on Administrative and Budgetary Questions for its review of the annual budget of the Organization; represents, or assists in representing as necessary, the Organization in meetings with the Advisory Committee;
- (7) carries out related special assignments.

*Personnel:* as for 1966 (see page 92).

*Duty travel:* to attend various United Nations meetings (e.g. the Technical Assistance Committee and the Technical Assistance Board.)

## 8.4 ADMINISTRATIVE MANAGEMENT AND PERSONNEL

The Division of Administrative Management and Personnel

- (1) is responsible for (a) administrative management practices and services; (b) personnel policies and services; (c) conference and office services, including interpretation; and (d) supply services;
- (2) provides advice and assistance to other divisions and to regional offices on administrative management and personnel matters.

### 8.4.0 Office of the Director

(See page 93)

*Personnel:* as for 1966 (see page 93).

*Duty travel:* for visits to two regional offices to assist in solving administrative problems.

### 8.4.1 Administrative Management

(See page 93)

*Functions*

- (1) evaluating and making recommendations on organizational structure and staffing patterns;
- (2) planning and conducting management surveys of organizational units and of questions or problems with broader implications;
- (3) clarifying internal organizational relationships;
- (4) assisting in staff training in administrative and related matters;
- (5) co-ordinating the planning and development of data-processing by mechanical and electronic means throughout the Organization;
- (6) issuing policy statements, procedural instructions and information to the staff;
- (7) assisting in the study of inter-agency administrative procedures and services; and
- (8) advising on other matters related to administrative practice, as required.

*Personnel:* seven management officers and three general service staff in 1966. *Proposed in addition for 1967*—a management officer, to deal with the increased workload in relation to the mechanization programme of the Organization.

*Duty travel:* to visit regional offices, field offices and project staff, in order to carry out management studies and make management services available.

### 8.4.2 Personnel

(See page 93)

*Functions*

- (1) developing, analysing and making recommendations on improvements to the Staff Regulations and Staff Rules;
- (2) maintaining the post classification plan, administering the salary system, and developing recruitment sources;
- (3) recruiting, appointing and terminating staff; stimulating and processing staff movement within the Organization; and developing and servicing the system of performance evaluation;
- (4) stimulating and servicing staff training programmes;
- (5) dealing with problems of staff relations, and representing the Administration as required in negotiations with the Staff Association, in appeals before the Board of Inquiry and Appeal, and at intra- or inter-organizational meetings;
- (6) directing and co-ordinating the operation of those personnel services for regional offices that can be performed more efficiently if they are centralized; assisting regional directors to establish and maintain adequate regional personnel procedures; and providing technical supervision of the regional personnel officers.

*Personnel:* thirteen personnel officers, three administrative assistants and twenty-two general service staff in 1966. *Proposed in addition for 1967*—a clerk and a clerk-stenographer, to assist in dealing with the increasing workload. The provision for temporary staff is maintained at the same level as for 1966.

*Consultants:* to assist in developing recruitment sources (four months).



*Duty travel*: visits to regional offices in order to follow up personnel activities; and travel in Europe in connexion with the recruitment of staff.

#### 8.4.3 Conference and Office Services

(See page 94)

*Functions*: to develop and maintain the following services—

- (1) *Office services*, including maintenance of building and grounds; custodianship of WHO premises; space arrangements; lighting, heating and air-conditioning; messenger services; cleaning services; telephone installations and communications; catering facilities.
- (2) *Conference arrangements*, including planning; staffing; arranging for committee rooms and offices, and interpretation and recording facilities; hospitality arrangements.
- (3) *Administrative supplies*, including standardization of supplies, equipment and furniture; estimates of requirements; procurement arrangements; receipt, customs clearance, inspection, storage, inventory, issue, maintenance and shipping of office equipment, furniture and supplies.
- (4) *Communications and records*, including reception, distribution and dispatch of mail, cables and Telex; maintenance of correspondence files, archives and related records.
- (5) *Documents production*, including stenographic and typing services; reproduction, distribution, stocking and dispatch of documents; designing and control of forms.
- (6) *Local transport services*, including transportation, maintenance and upkeep of official cars, fuel supplies, etc.
- (7) *Miscellaneous services*, including customs clearance of imported goods, pouch services, and the technical supervision of conference and office services in the regions.

*Personnel*: as for 1966 (see page 94; see also the staff provided for in the estimates for Common Services, page 99).

*Duty travel*: visits to a region to discuss problems connected with office services; and visits to administrative buildings and equipment manufacturers in Europe.

### 8.5 BUDGET AND FINANCE

The Division of Budget and Finance

- (1) is responsible for (a) the preparation and submission of budgets and other estimates of expenditure and the maintenance of budgetary controls; and (b) the collection, disbursing and accounting of all funds;
- (2) provides advice and assistance to other divisions and to regional offices on budgetary and financial matters.

#### 8.5.0 Office of the Director

(See page 94)

*Personnel*: as for 1966 (see page 94).

*Duty travel*: to visit a regional office for consultation on budgetary and financial matters.

#### 8.5.1 Budget

(See page 95)

*Functions*

- (1) developing and maintaining the budgetary processes of the Organization;
- (2) preparing instructions and forms for the compilation of the annual budget estimates;
- (3) preparing the consolidated annual programme and budget estimates;
- (4) exercising budgetary controls during the operating year (i.e. establishment of allotments, maintenance of control records of approved allotments, periodic analyses of allotments and estimated future budgetary requirements, procedures connected with the establishment of new posts, and issue of position lists under all funds, including special funds and trust funds);
- (5) making a periodic review of the budgetary situation.

*Personnel*: as for 1966 (see page 95). The provision for temporary staff is maintained at the same level as for 1966.

*Duty travel*: to visit a regional office for discussion of budgetary matters.

#### 8.5.2 Finance and Accounts

(See page 95)

*Functions*

- (1) developing the financial policies of the Organization and the procedures for carrying them out;
- (2) advising on financial relations with Member governments on the basis of decisions of the Health Assembly, initiating correspondence regarding contributions, and maintaining records of each Member's account;

- (3) responsibility for the financial administration of all funds held by the Organization, including special funds and trust funds;
- (4) receiving and disbursing funds and making investments, maintaining records to show these receipts, disbursements and investments;
- (5) keeping accounts, preparing the central pay-roll for all staff, reviewing claims and authorizing payment, and advising the regional and field offices on such matters;
- (6) arranging for travel, transportation, removals and accommodation, and administering the staff insurance plan;
- (7) developing and supervising the installation of accounting procedures in regional and field offices;
- (8) developing and maintaining a system of reports to show the financial position of the Organization and the status of its resources, as required by the Financial Regulations and Rules.

*Personnel*: as for 1966 (see page 95).

*Duty travel*: to examine accounting and financial matters at regional offices; and to attend meetings of the Technical Assistance Board.

## 8.6 LEGAL OFFICE

(See page 96)

### The Legal Office

- (1) advises on all matters of a legal or constitutional nature, including conventions, regulations and agreements and their interpretation, and on legal questions arising out of the execution of programme or administrative decisions;
- (2) represents the Director-General in judicial proceedings before national and international tribunals and in negotiations or other procedures for the settlement of disputes of a legal character;
- (3) advises on questions concerning privileges and immunities and the legal status of the Organization;
- (4) prepares drafts of international instruments and other legal texts.

*Personnel*: as for 1966 (see page 96).

*Consultants*: to advise on specialized legal problems that require an expert in a particular field (one month).

*Duty travel*: for consultations and negotiations.

## 8.7 INTERNAL AUDIT

(See page 96)

### The Office of Internal Audit

- (1) is responsible for auditing the accounting and other administrative records of the Organization to ensure that policies, regulations, rules and established procedures are observed, and for reporting thereon;
- (2) draws attention to matters affecting the efficient and economical working of the Organization that are disclosed during audits;
- (3) consults with the External Auditor in determining the programme of the Office, so as to ensure co-ordination of the audit work and hence economy in its execution.

*Personnel*: as for 1966 (see page 96).

*Duty travel*: to and between regions, and to field teams, for audit purposes.

## 8.8 PUBLIC INFORMATION

(See page 97)

The Division is responsible for making the Organization and its work better known and understood, and helping to inform public opinion in all countries on matters of health. To this end it:

- (1) produces and distributes material in the principal information media;
- (2) keeps in touch with information work in regional offices, supplying much of the material needed for regional distribution;
- (3) stimulates the production of information material on health subjects by independent authors, publishers, film producers, and radio and television networks.

*Personnel*: as for 1966 (see page 97). Temporary assistance will be required in connexion with the preparations for the celebration of WHO's twentieth anniversary.

*Consultants*: to undertake special assignments with reference to the preparation of material for use in connexion with the Organization's twentieth anniversary celebrations (seven months).

*Duty travel*: to attend consultative meetings on information matters with representatives of the United Nations and the other specialized agencies; maintain liaison with and assist in regional information work; visit field projects of particular interest for public information; and stimulate the independent production of information material, especially in the visual mass media.

*Other Costs* (see pages 86 and 98)

*Public information supplies and material*: to cover the cost of material in the fields of radio, television, photography and publications.

*Twentieth anniversary projects*: provision is included under Programme Activities, Other Costs, for a film, exhibit material, and the production by outside writers of comprehensive publications to celebrate the twentieth anniversary of WHO in 1968.

*World Health*: to cover the cost of producing ten issues of the magazine *World Health* in five languages—English, French, Portuguese, Spanish, and Russian (see Estimated Requirements for Publications, page 88); \$181 500 of the total amount required is included under Printing of Publications, and \$32 000 under Contractual Editorial Services.

## 8.9 EXTERNAL RELATIONS

(See page 97)

The Office of External Relations is responsible for the non-technical aspects of:

- (1) relations with governments and intergovernmental organizations and, when required, representation at meetings convened by those organizations;
- (2) co-ordination with the United Nations, its organs, the specialized agencies and the International Atomic Energy Agency;
- (3) official relations with non-governmental organizations and the processing of new applications from those organizations for official relationship; and
- (4) assistance to the Director-General in his capacity as Secretary of the World Health Assembly and of the Executive Board.

The Office is also responsible for matters of protocol.

*Personnel*: as for 1966 (see page 97).

*Duty travel*: to represent the Organization at meetings convened by specialized agencies, the International Atomic Energy Agency, intergovernmental agencies or organizations, and non-governmental organizations.

## 8.10 LIAISON OFFICE WITH UNITED NATIONS (NEW YORK)

(See page 98)

The Liaison Office with the United Nations, located at United Nations headquarters, is responsible for:

- (1) overall liaison with the United Nations headquarters and its various departments and with the secretariat of the Administrative Committee on Co-ordination;
- (2) representation at United Nations and inter-agency meetings as required;
- (3) public information activities at United Nations headquarters, in liaison with the United Nations public information services;
- (4) provision of administrative and staff services to WHO officials on mission at United Nations headquarters.

*Personnel*: five professional and four general service staff in 1966. *Proposed in addition for 1967*—a clerk to help in dealing with the increasing workload.

*Duty travel*: to attend United Nations meetings held away from United Nations headquarters, and to visit the Regional Office for the Americas for liaison purposes.

## COMMON SERVICES

(See page 99)

*Personnel:* five posts in the professional grades and 187 in the general services category, as in 1966. *Proposed in addition for 1967* — three further posts of clerk-stenographer, to help cope with the increasing workload in the stenographic pool. The provision for temporary staff is maintained at the same level as for 1966.

*Other Costs.* The estimates for common services costs other than personnel show an increase of some \$259 000 as compared with 1966. Based on the estimated requirements for a full year in the new headquarters building, they take account of the expanding activities of the Organization and of the general increase in the costs of such requirements as communications, other contractual services, freight and transportation, printing and supplies. Increased provision has been made also for maintenance of premises and for rental and maintenance of equipment, including the rental of the computer for the full year (as against six months in 1966) and the acquisition of additional capital assets.

## 9. OTHER STATUTORY STAFF COSTS <sup>1</sup>

(See page 102)

In Part II (Operating Programme) provision is made under the above heading in Appropriation Section 7 for the statutory staff costs, other than salaries, of the personnel covered by Appropriation Sections 4 (Programme Activities) and 5 (Regional Offices). Similarly, in Part III (Administrative Services) provision is made in Appropriation Section 9 for such statutory staff costs for the personnel covered by Appropriation Section 8.

The estimates under Appropriation Sections 7 and 9 include provision for the payment of terminal emoluments; contributions to the United Nations Joint Staff Pension Fund; the payment of staff insurance, representation allowance and other allowances such as post adjustments, assignment allowances, dependents' allowances, education grants and related travel costs; the reimbursement of income tax; the costs of travel on initial recruitment and on repatriation, travel on home leave, and transportation of personal effects.

Wherever practical the estimates are based on the actual entitlements of the holders of filled posts; in the case of vacant posts they are based on averages acquired by experience. Where appropriate, the estimates have been adjusted to take account of staff turnover and delays in filling new posts.

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## PART IV : OTHER PURPOSES

### 10. HEADQUARTERS BUILDING FUND

Provision is made, as in 1966, for a sum of \$500 000 to be appropriated as a credit to the Headquarters Building Fund to assist in financing the new headquarters building.

### 11. REVOLVING FUND FOR TEACHING AND LABORATORY EQUIPMENT

Pursuant to resolution EB36.R16, in which the Executive Board at its thirty-sixth session requested the Director-General to study a proposal for the establishment of a revolving fund for teaching and laboratory equipment for medical education and training, the Director-General in his separate report on this subject is recommending *inter alia* that, in the year 1967, an amount of \$100 000 should be made available from the regular budget as an initial credit to such a fund. Provision is accordingly made for the amount to be transferred to this fund in 1967.

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<sup>1</sup> Text covers also Appropriation Section 7.

## 4. PROGRAMME ACTIVITIES: SUMMARY

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			Regular Budget			
Number of posts			Estimated obligations			
1965	1966	1967	1965	1966	1967	
			US \$	US \$	US \$	
<u>HEADQUARTERS</u>						
15	15	15	132 060	142 672	147 065	Offices of the Assistant Directors-General
		39			354 916	Research in Epidemiology and Communications Science
9	14	14	83 970	113 363	114 151	Research Planning and Co-ordination
Health Statistics:						
3	3	3	28 190	29 597	30 017	Office of the Director
11	11	11	77 630	81 429	84 421	Health Statistical Methodology
20	20	20	133 340	139 993	143 720	Dissemination of Statistical Information
10	10	10	77 960	82 584	86 932	Development of Health Statistical Services
9	9	9	71 160	75 285	77 884	Epidemiological Studies
Biology and Pharmacology:						
3	3	3	27 390	29 141	30 127	Office of the Director
4	4	4	39 220	44 098	45 790	Biological Standardization
4	5	5	40 960	51 464	52 847	Immunology
8	8	8	56 970	67 736	67 808	Pharmaceuticals
7	9	13	65 470	88 620	118 755	Pharmacology and Toxicology
Malaria Eradication:						
5	5	5	39 800	41 320	43 080	Office of the Director
9	9	9	74 380	76 322	78 984	Research and Technical Intelligence
9	9	9	70 460	76 802	78 071	Planning and Programme
5	5	5	37 220	43 791	45 223	Epidemiological Assessment
Communicable Diseases:						
4	4	4	25 950	33 945	35 925	Office of the Director
10	10	10	77 570	81 356	84 369	Tuberculosis
5	5	5	44 500	45 993	46 747	Venerable Diseases and Treponematoses
8	8	8	63 030	70 141	71 983	Veterinary Public Health
12	12	15	105 300	111 389	133 813	Virus Diseases
2	2	5	13 300	14 004	42 034	Smallpox Eradication
8	14	14	88 400	128 125	131 636	Parasitic Diseases
6	7	7	39 140	57 081	59 033	Bacterial Diseases
5	5	5	33 180	43 579	44 669	Leprosy
12	12	12	84 420	87 146	90 510	International Quarantine
3	3	4	10 030	33 661	45 406	Global Epidemiological Surveillance
Public Health Services:						
3	3	3	28 090	29 600	30 591	Office of the Director
7	7	7	62 800	65 374	64 723	Public Health Administration
3	3	3	31 990	32 926	33 488	National Health Planning
4	4	5	32 060	38 225	43 727	Organization of Medical Care
5	5	5	42 500	52 150	51 215	Health Laboratory Services
5	6	6	39 850	50 522	50 346	Nursing
4	4	4	40 500	42 324	41 316	Health Education
6	7	7	50 590	59 103	60 969	Maternal and Child Health
2	2	5	16 380	17 985	40 195	Human Reproduction
Health Protection and Promotion:						
3	3	4	29 070	30 320	35 472	Office of the Director
5	5	5	37 540	45 232	53 121	Social and Occupational Health
8	9	9	79 120	85 529	88 394	Mental Health
11	11	11	103 020	107 775	108 855	Nutrition
2	3	3	21 600	28 730	29 567	Dental Health
5	5	6	45 530	48 011	58 015	Cardiovascular Diseases
7	7	7	55 690	61 713	62 031	Cancer
7	7	7	64 670	72 198	72 142	Radiation and Isotopes
2	3	3	23 070	31 614	32 447	Human Genetics
		2			19 554	Gerontology and Chronic Non-communicable Diseases

4

## PROGRAMME ACTIVITIES: SUMMARY

Regular Budget			Estimated obligations			
Number of posts			Estimated obligations			
1965	1966	1967	1965	1966	1967	
			US \$	US \$	US \$	
						<u>Headquarters (continued)</u>
						<b>Environmental Health:</b>
						Office of the Director
						Wastes Disposal
						Environmental Pollution
						Sanitation Services and Housing
						Environmental Biology
						Community Water Supply
						<b>Education and Training:</b>
						Office of the Director
						Fellowships
						Education in Medicine and Allied Subjects
						Public Health Education and Training
						<b>Editorial and Reference Services:</b>
						Office of the Director
						Translation
						Technical Publications
						Official Records
						Health Legislation
						Library and Reference Services
						<b>Vector Control</b>
						<b>Programme Co-ordination</b>
						<b>Programme Formulation and Evaluation</b>
						<b>Senior Staff Training</b>
						<b>Supply</b>
						<b>Data Processing</b>
						<b>Interpretation</b>
						Sub-total
						Other Statutory Staff Costs
						Grants
						Other Costs
						<b>Common Services:</b>
						Headquarters - Personnel
						- Other
						Total - HEADQUARTERS
3	3	3	21 870	28 534	29 956	
3	3	3	28 410	29 541	30 202	
2	4	4	24 030	38 625	39 587	
4	4	4	36 440	41 301	41 964	
2	2	2	24 290	23 716	24 388	
5	5	5	48 130	50 138	50 949	
3	3	3	27 944	29 120	30 097	
5	5	5	42 390	43 982	45 538	
5	5	5	46 000	48 852	49 322	
3	3	3	36 650	35 127	34 540	
21	21	22	198 750	183 953	223 831	
32	32	35	290 506	294 395	324 962	
17	17	18	134 040	144 118	152 459	
19	19	19	148 100	152 881	156 902	
6	6	6	46 210	50 820	52 068	
22	22	22	128 460	136 222	141 942	
3	10	11	40 930	92 565	98 292	
8	8	8	60 750	62 595	64 422	
8	9	9	57 560	65 965	73 454	
2	2	3	15 730	16 542	22 700	
24	26	26	140 700	155 468	164 135	
11	17	17	41 090	89 389	117 233	
10	10	10	<u>94 430</u>	<u>104 866</u>	<u>106 630</u>	
513	551	616	4 084 050	4 603 817	5 331 027	
			1 701 534	1 994 904	2 480 348	
			20 000	30 000	20 000	
			923 000	1 016 700	1 205 700	
133	134	140	408 184	663 138	761 094	
			1 059 729	837 172	1 047 600	
646	685	756	8 196 497	9 145 731	10 845 769	

PROGRAMME ACTIVITIES: SUMMARY

Regular Budget				Technical Assistance									Other Extra-budgetary Funds			
Number of posts			Estimated obligations			Number of posts			Estimated obligations			Source of funds	Estimated obligations			
1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967		1965	1966	1967	
US \$			US \$			US \$			US \$				US \$			
FIELD																
279	294	324	4 522 714	5 262 592	5 813 963	Africa	256	234	222	4 797 713	3 896 264	4 018 993		1 936 000	2 854 700	3 011 200
94	97	100	2 518 683	2 950 984	3 283 364	The Americas	733	735	755	10 535 472	11 061 994	11 991 763		6 521 000	7 101 500	1 993 900
236	242	224	3 398 863	3 814 721	4 132 716	South-East Asia	79	83	98	1 488 878	1 607 671	1 505 660		3 663 650	5 327 000	1 765 000
77	84	89	1 723 258	1 802 197	1 939 551	Europe	50	41	54	1 027 944	1 358 325	1 410 846		1 690 000	1 332 000	1 143 000
195	208	213	3 230 384	3 734 550	4 063 214	Eastern Mediterranean	139	142	139	1 459 956	1 855 420	2 091 143		3 487 000	2 568 100	599 000
136	150	157	2 742 839	3 139 261	3 412 690	Western Pacific	69	64	62	905 374	980 887	1 209 020		1 786 800	1 936 500	1 843 200
45	58	60	3 524 963	4 087 927	4 605 704	Inter-regional and other activities	65	52	53	915 668	721 036	655 143				
1062	1133	1167	21 661 704	24 792 232	27 251 202	Total - Field	1391	1351	1383	21 131 005	21 481 597	22 882 568		19 084 450	21 118 800	10 355 300
1708	1818	1923	29 858 201	33 937 963	38 096 971	Total - Headquarters and Field	1391	1351	1383	21 131 005	21 481 597	22 882 568				
			6 619 947	7 738 699	8 587 424	Less:				4 375 845	4 891 849	5 078 457				
				87 434	101 940	(a) Other statutory staff costs										
				283 985	346 560	(b) Staff turnover										
						(c) Delays in filling new posts										
			6 619 947	8 110 118	9 035 924	Total - Deductions				4 375 845	4 891 849	5 078 457				
			23 238 254	25 827 845	29 061 047	Net total				16 755 160	16 589 748	17 804 111				
			2 859 171	3 622 731	3 956 502	Add: Staff assessment										
1708	1818	1923	26 097 425	29 450 576	33 017 549	Total - PROGRAMME ACTIVITIES	1391	1351	1383	16 755 160	16 589 748	17 804 111		19 084 450	21 118 800	10 355 300

RECAPITULATION						
	Number of posts			Estimated obligations		
	1965	1966	1967	1965	1966	1967
				US \$	US \$	US \$
Regular Budget .....	1 708	1 818	1 923	26 097 425	29 450 576	33 017 549
Technical Assistance:						
Expanded Programme of Technical Assistance .....	551	522	552	5 766 206	5 744 314	6 896 402
United Nations Special Fund .....	12	10	8	1 754 434	1 613 455	988 347
Funds-in-trust .....	196	180	163	2 117 945	1 730 072	1 604 414
Pan American Health Organization:						
Regular funds .....	179	194	234	3 563 681	4 152 780	4 609 052
Special Malaria Fund .....	99	90	87	1 465 663	1 306 485	1 891 741
Community Water Supply Fund .....	18	18	8	289 432	288 061	182 146
Other funds .....	336	337	331	1 797 799	1 754 581	1 632 009
Other extra-budgetary funds .....				19 084 450	21 118 800	10 355 300
TOTAL	3 099	3 169	3 306	61 937 035	67 159 124	61 176 960

## 4. PROGRAMME ACTIVITIES

				Regular Budget				
Number of posts			Estimated obligations					
1965	1966	1967	1965	1966	1967			
			US \$	US \$	US \$			
<b>4.1 OFFICES OF THE ASSISTANT DIRECTORS-GENERAL</b>								
(For text, see page 21)								
4	4	4		71 600	71 600	Assistant Directors-General	UG	
1	1	1		6 310	6 310	Technical assistant	P1	
2	2	2		12 383	13 432	Personal assistants	G7	
1	1	1		5 655	6 156	Administrative assistant	G7	
1	1	1		5 874	6 357	Secretary	G6	
2	2	2		9 317	10 131	Secretaries	G5	
1	1	1		6 111	6 566	Clerk-stenographer	G5	
3	3	3		13 422	14 513	Secretaries	G4	
<u>15</u>	<u>15</u>	<u>15</u>		<u>120 060</u>	<u>130 672</u>	<u>135 065</u>	Total established posts	
				12 000	12 000	12 000	<u>Travel</u>	
							Duty	
				<u>132 060</u>	<u>142 672</u>	<u>147 065</u>	Total	
<b>4.2 RESEARCH IN EPIDEMIOLOGY AND COMMUNICATIONS SCIENCE</b>								
(For text, see page 21)								
	1			14 530		Director (medical epidemiologist)	D2	
	1			14 530		Associate Director (communications scientist)	D2	
	2			21 300		Medical epidemiologists	P5	
	1			10 650		Theoretical epidemiologist	P5	
	1			10 650		Biologist (ecologist)	P5	
	2			21 300		Behavioural scientists (sociology and anthropology)	P5	
	2			21 300		Applied mathematicians	P5	
	1			10 650		Demographer	P5	
	1			10 650		Statistician	P5	
	1			10 650		Operational research specialist	P5	
	2			21 300		Computer scientists	P5	
	7			52 220		Technical assistants	P3	
	4			24 520		Technical assistants	P2	
	2			10 522		Secretaries	G6	
	11			49 544		Secretaries	G4	
<u>    </u>	<u>39</u>			<u>304 316</u>		<u>304 316</u>	Total established posts	
				14 400		Consultants' fees		
				20 000		<u>Travel</u>		
				16 200		Duty		
						Consultants		
				<u>354 916</u>		<u>354 916</u>	Total	



			Regular Budget					
Number of posts			Estimated obligations					
1965	1966	1967	1965	1966	1967			
			US \$	US \$	US \$			
<b>4.3 RESEARCH PLANNING AND CO-ORDINATION</b>								
4.3.0 OFFICE OF THE DIRECTOR								
(For text, see page 22)								
1	1	1	15 520	15 520	15 520	Director		D2
1	1	1	13 100	13 100	13 100	Medical officer		P5
1	1	1	9 053	9 300	9 300	Medical officer		P4
1	1	1	6 220	6 405	6 405	Scientist		P2
1	1	1	5 892	5 892	5 892	Administrative officer		P1
1	1	1	5 110	5 301	5 301	Technical assistant		P1
1	1	1	5 639	6 158	6 158	Administrative assistant		G7
1	1	1	4 387	4 783	4 783	Secretary		G5
1	1	1	4 957	5 378	5 378	Records clerk		G5
1	1	1	4 557	4 926	4 926	Clerk-stenographer		G4
	2	2	7 988	8 631	8 631	Clerks		G3
1	2	2	8 240	8 757	8 757	Clerk-stenographers		G3
<u>9</u>	<u>14</u>	<u>14</u>	<u>62 370</u>	<u>90 663</u>	<u>94 151</u>	Total established posts		
			8 800	8 800	8 000	Consultants' fees		
			4 000	4 000	3 000	<u>Travel</u>		
			8 800	9 900	9 000	Duty		
						Consultants		
			<u>83 970</u>	<u>113 363</u>	<u>114 151</u>	Total		
<b>4.4 HEALTH STATISTICS</b>								
4.4.0 OFFICE OF THE DIRECTOR								
(For text, see page 22)								
1	1	1	15 520	15 520	15 520	Director		D2
1	1	1	5 716	6 238	6 238	Administrative assistant		G7
1	1	1	4 861	5 259	5 259	Secretary		G5
<u>3</u>	<u>3</u>	<u>3</u>	<u>24 690</u>	<u>26 097</u>	<u>27 017</u>	Total established posts		
			3 500	3 500	3 000	<u>Travel</u>		
			28 190	29 597	30 017	Duty		
			<u>28 190</u>	<u>29 597</u>	<u>30 017</u>	Total		

## PROGRAMME ACTIVITIES

Regular Budget						
Number of posts			Estimated obligations			
1965	1966	1967	1965	1966	1967	
			US \$	US \$	US \$	
<u>Health Statistics (continued)</u>						
4.4.1 HEALTH STATISTICAL METHODOLOGY						
(For text, see page 22)						
1	1	1		11 560	11 828	Chief statistician P5
2	2	2		18 958	19 425	Statisticians P4
1	1	1		8 055	8 265	Statistician P3
1	1	1		7 880	7 880	Statistician P2
1	1	1		5 173	5 364	Statistician P1
1	1	1		5 043	5 488	Administrative assistant G6
1	1	1		4 401	4 797	Clerk G5
1	1	1		4 495	4 860	Secretary G4
2	2	2		8 164	8 614	Clerk-stenographers G3
<u>11</u>	<u>11</u>	<u>11</u>	<u>70 230</u>	<u>73 729</u>	<u>76 721</u>	Total established posts
			2 400	2 400	2 400	Consultants' fees
			2 600	2 600	2 600	<u>Travel</u>
			2 400	2 700	2 700	Duty
			<u>77 630</u>	<u>81 429</u>	<u>84 421</u>	Consultants
			=====	=====	=====	T o t a l
4.4.2 DISSEMINATION OF STATISTICAL INFORMATION						
(For text, see page 23)						
1	1	1		11 708	11 998	Chief medical officer P5
1	1	1		8 038	8 248	Medical officer P4
1	1	1		9 870	9 870	Statistician P3
1	1	1		7 880	7 880	Statistician P2
4	4	4		24 506	24 696	Statisticians P1
2	2	2		14 589	15 538	Clerks G7
3	3	3		19 798	20 746	Clerks G6
4	4	4		21 355	23 093	Clerks G5
1	1	1		4 520	4 886	Secretary G4
2	2	2		8 729	9 465	Clerks G4
<u>20</u>	<u>20</u>	<u>20</u>	<u>124 740</u>	<u>130 993</u>	<u>136 420</u>	Total established posts
			3 200	3 200	2 400	Consultants' fees
			2 200	2 200	2 200	<u>Travel</u>
			3 200	3 600	2 700	Duty
			<u>133 340</u>	<u>139 993</u>	<u>143 720</u>	Consultants
			=====	=====	=====	T o t a l

Regular Budget								
Number of posts			Estimated obligations					
1965	1966	1967	1965	1966	1967			
			US \$	US \$	US \$			
<u>Health Statistics (continued)</u>								
4.4.3 DEVELOPMENT OF HEALTH STATISTICAL SERVICES								
(For text, see page 23)								
1	1	1		13 100	13 100	Chief medical officer		P5
2	2	2		19 344	19 823	Medical officers		P4
1	1	1		8 493	8 703	Statistician		P3
1	1	1		4 900	5 094	Statistician		P1
1	1	1		4 900	5 094	Technical assistant		P1
1	1	1		5 397	5 858	Clerk		G6
1	1	1		4 621	4 992	Clerk		G4
1	1	1		4 999	5 387	Secretary		G4
1	1	1		4 630	4 981	Clerk-stenographer		G3
<u>10</u>	<u>10</u>	<u>10</u>	<u>64 660</u>	<u>70 384</u>	<u>73 032</u>	Total established posts		
			4 800	4 000	4 800	Consultants' fees		
						<u>Travel</u>		
			3 700	3 700	3 700	Duty		
			4 800	4 500	5 400	Consultants		
			<u>77 960</u>	<u>82 584</u>	<u>86 932</u>	Total		
4.4.4 EPIDEMIOLOGICAL STUDIES								
(For text, see page 23)								
1	1	1		11 062	11 316	Chief medical officer		P5
1	1	1		9 736	9 978	Statistician		P4
1	1	1		10 477	10 737	Medical officer		P4
1	1	1		9 870	9 870	Statistician		P3
1	1	1		7 187	7 390	Statistician		P2
2	2	2		10 947	11 876	Technical assistants		G6
1	1	1		4 898	5 281	Secretary		G4
1	1	1		3 708	4 036	Clerk-stenographer		G3
<u>9</u>	<u>9</u>	<u>9</u>	<u>65 660</u>	<u>67 885</u>	<u>70 484</u>	Total established posts		
			1 600	2 400	2 400	Consultants' fees		
						<u>Travel</u>		
			2 300	2 300	2 300	Duty		
			1 600	2 700	2 700	Consultants		
			<u>71 160</u>	<u>75 285</u>	<u>77 884</u>	Total		
4.5 BIOLOGY AND PHARMACOLOGY								
4.5.0 OFFICE OF THE DIRECTOR								
(For text, see page 24)								
1	1	1		15 353	15 353	Director		D2
1	1	1		7 434	8 017	Administrative assistant		G7
1	1	1		4 554	4 957	Secretary		G5
<u>3</u>	<u>3</u>	<u>3</u>	<u>25 590</u>	<u>27 341</u>	<u>28 327</u>	Total established posts		
						<u>Travel</u>		
			1 800	1 800	1 800	Duty		
			<u>27 390</u>	<u>29 141</u>	<u>30 127</u>	Total		

## PROGRAMME ACTIVITIES

Regular Budget						
Number of posts			Estimated obligations			
1965	1966	1967	1965	1966	1967	
			US \$	US \$	US \$	
<u>Biology and Pharmacology</u> (continued)						
4.5.1 BIOLOGICAL STANDARDIZATION						
(For text, see page 24)						
1	1	1		11 062	11 316	Chief medical officer P5
1	1	1		9 053	9 300	Medical officer P4
1	1	1		4 457	4 820	Secretary G4
1	1	1		4 126	4 454	Clerk-stenographer G3
<u>4</u>	<u>4</u>	<u>4</u>	23 020	28 698	29 890	Total established posts
			7 200	6 400	6 400	Consultants' fees
			1 800	1 800	2 300	<u>Travel</u>
			7 200	7 200	7 200	Duty
			<u>39 220</u>	<u>44 098</u>	<u>45 790</u>	Consultants
			=====	=====	=====	T o t a l
4.5.2 IMMUNOLOGY						
(For text, see page 25)						
1	1	1		10 780	11 040	Chief medical officer P5
1	1	1		9 640	9 870	Medical officer P4
	1	1		4 800	5 000	Technical assistant P1
1	1	1		4 507	4 873	Secretary G4
1	1	1		4 137	4 464	Clerk-stenographer G3
<u>4</u>	<u>5</u>	<u>5</u>	22 560	33 864	35 247	Total established posts
			7 200	6 400	6 400	Consultants' fees
			4 000	4 000	4 000	<u>Travel</u>
			7 200	7 200	7 200	Duty
			<u>40 960</u>	<u>51 464</u>	<u>52 847</u>	Consultants
			=====	=====	=====	T o t a l
4.5.3 PHARMACEUTICALS						
(For text, see page 25)						
1	1	1		13 100	13 100	Chief pharmaceutical officer P5
2	2	2		15 918	16 338	Pharmaceutical officers P3
1	1	1		5 732	6 236	Technical assistant G7
1	1	1		4 432	4 794	Clerk-stenographer G4
3	3	3		12 454	13 440	Clerk-stenographers G3
<u>8</u>	<u>8</u>	<u>8</u>	42 170	51 636	53 908	Total established posts
			6 400	6 400	5 600	Consultants' fees
			2 000	2 500	2 000	<u>Travel</u>
			6 400	7 200	6 300	Duty
			<u>56 970</u>	<u>67 736</u>	<u>67 808</u>	Consultants
			=====	=====	=====	T o t a l

Regular Budget						
Number of posts			Estimated obligations			
1965	1966	1967	1965	1966	1967	
			US \$	US \$	US \$	
<u>Biology and Pharmacology (continued)</u>						
4.5.4 PHARMACOLOGY AND TOXICOLOGY						
(For text, see page 26)						
1	1	1		14 237	14 530	Chief medical officer P6
	1	3		10 650	32 210	Medical officers P5
2	2	2		19 898	20 383	Medical officers P4
1	1	1		6 292	6 775	Administrative assistant G6
		1			4 838	Secretary G5
1	2	3		8 776	14 000	Secretaries G4
2	2	2		7 767	8 419	Clerk-stenographers G3
<u>7</u>	<u>9</u>	<u>13</u>		<u>45 870</u>	<u>67 620</u>	<u>101 155</u> Total established posts
				8 000	8 000	6 400 Consultants' fees
				3 600	4 000	4 000 <u>Travel</u>
				8 000	9 000	7 200 Duty
				<u>65 470</u>	<u>88 620</u>	<u>118 755</u> Consultants
						T o t a l
 <b>4.6 MALARIA ERADICATION</b>						
4.6.0 OFFICE OF THE DIRECTOR						
(For text, see page 27)						
1	1	1		14 652	15 145	Director D2
1	1	1		9 155	9 400	Administrative officer P3
1	1	1		5 873	6 162	Secretary G5
2	2	2		9 040	9 773	Secretaries G4
<u>5</u>	<u>5</u>	<u>5</u>		<u>37 200</u>	<u>38 720</u>	<u>40 480</u> Total established posts
				2 600	2 600	2 600 <u>Travel</u>
				<u>39 800</u>	<u>41 320</u>	<u>43 080</u> Duty
						T o t a l
 4.6.1 RESEARCH AND TECHNICAL INTELLIGENCE						
(For text, see page 27)						
1	1	1		12 713	13 003	Chief medical officer P5
1	1	1		10 845	11 105	Entomologist P4
1	1	1		10 108	10 368	Medical officer P4
2	2	2		17 081	17 540	Scientists P3
2	2	2		8 741	9 458	Secretaries G4
2	2	2		8 734	9 410	Clerk-stenographers G3
<u>9</u>	<u>9</u>	<u>9</u>		<u>64 980</u>	<u>68 222</u>	<u>70 884</u> Total established posts
				3 200	2 400	2 400 Consultants' fees
				3 000	3 000	3 000 <u>Travel</u>
				<u>74 380</u>	<u>76 322</u>	<u>78 984</u> Duty
						2 700 Consultants
						T o t a l

## PROGRAMME ACTIVITIES

Regular Budget						
Number of posts			Estimated obligations			
1965	1966	1967	1965	1966	1967	
			US \$	US \$	US \$	
<b>Malaria Eradication (continued)</b>						
4.6.2 PLANNING AND PROGRAMME						
(For text, see page 27)						
1	1	1		13 100	13 100	Chief medical officer P5
1	1	1		9 053	9 300	Medical officer P4
1	1	1		11 420	11 420	Scientist P4
1	1	1		10 758	11 018	Sanitary engineer P4
1	1	1		6 677	7 178	Administrative assistant G6
1	1	1		4 520	4 886	Secretary G4
3	3	3		12 474	13 069	Clerk-stenographers G3
9	9	9	60 360	68 002	69 971	Total established posts
			3 200	2 400	2 400	Consultants' fees
			3 700	3 700	3 000	<u>Travel</u>
			3 200	2 700	2 700	Duty
						Consultants
			70 460	76 802	78 071	Total
			=====	=====	=====	
4.6.3 EPIDEMIOLOGICAL ASSESSMENT						
(For text, see page 28)						
1	1	1		13 052	13 100	Chief medical officer P5
1	1	1		9 053	9 300	Medical officer P4
1	1	1		4 986	5 390	Statistical clerk G5
1	1	1		4 646	5 018	Secretary G4
1	1	1		4 454	4 815	Clerk-stenographer G3
5	5	5	29 920	36 191	37 623	Total established posts
			2 400	2 400	2 400	Consultants' fees
			2 500	2 500	2 500	<u>Travel</u>
			2 400	2 700	2 700	Duty
						Consultants
			37 220	43 791	45 223	Total
			=====	=====	=====	
<b>4.7 COMMUNICABLE DISEASES</b>						
4.7.0 OFFICE OF THE DIRECTOR						
(For text, see page 28)						
1	1	1		14 693	15 187	Director D2
1	1	1		6 899	7 216	Administrative assistant G7
1	1	1		6 138	6 580	Secretary G5
1	1	1		4 115	4 442	Clerk-stenographer G3
4	4	4	23 850	31 845	33 425	Total established posts
			2 100	2 100	2 500	<u>Travel</u>
						Duty
			25 950	33 945	35 925	Total
			=====	=====	=====	

Number of posts			Regular Budget				
			Estimated obligations				
1965	1966	1967	1965	1966	1967		
			US \$	US \$	US \$		
<u>Communicable Diseases</u> (continued)							
4.7.1 TUBERCULOSIS							
(For text, see page 28)							
1	1	1		12 430	12 850	Chief medical officer	P6
3	3	3		31 002	31 777	Medical officers	P4
1	1	1		6 342	6 532	Scientist	P2
1	1	1		6 310	6 310	Technical assistant	P1
2	2	2		9 909	10 682	Secretaries	G4
2	2	2		8 263	8 918	Clerk-stenographers	G3
<u>10</u>	<u>10</u>	<u>10</u>	<u>70 770</u>	<u>74 256</u>	<u>77 069</u>	Total established posts	
			2 400	2 400	2 400	Consultants' fees	
			2 000	2 000	2 200	<u>Travel</u>	
			2 400	2 700	2 700	Duty	
						Consultants	
			<u>77 570</u>	<u>81 356</u>	<u>84 369</u>	Total	
4.7.2 VENEREAL DISEASES AND TREPONEMATOSES							
(For text, see page 29)							
1	1	1		14 530	14 530	Chief medical officer	P6
1	1	1		10 693	10 953	Medical officer	P4
1	1	1		6 310	6 310	Technical assistant	P1
1	1	1		4 545	4 912	Secretary	G4
1	1	1		4 115	4 442	Clerk-stenographer	G3
<u>5</u>	<u>5</u>	<u>5</u>	<u>38 900</u>	<u>40 193</u>	<u>41 147</u>	Total established posts	
			1 600	1 600	1 600	Consultants' fees	
			2 400	2 400	2 200	<u>Travel</u>	
			1 600	1 800	1 800	Duty	
						Consultants	
			<u>44 500</u>	<u>45 993</u>	<u>46 747</u>	Total	
4.7.3 VETERINARY PUBLIC HEALTH							
(For text, see page 29)							
1	1	1		14 530	14 530	Chief public health veterinarian	P6
1	1	1		11 018	11 274	Public health veterinarian	P5
1	1	1		9 053	9 300	Veterinary pathologist	P4
1	1	1		7 670	7 880	Technical assistant	P3
1	1	1		5 078	5 269	Technical assistant	P1
1	1	1		5 400	5 668	Secretary	G4
2	2	2		8 592	9 262	Clerk-stenographers	G3
<u>8</u>	<u>8</u>	<u>8</u>	<u>54 730</u>	<u>61 341</u>	<u>63 183</u>	Total established posts	
			3 200	3 200	3 200	Consultants' fees	
			1 900	2 000	2 000	<u>Travel</u>	
			3 200	3 600	3 600	Duty	
						Consultants	
			<u>63 030</u>	<u>70 141</u>	<u>71 983</u>	Total	





Number of posts			Regular Budget			
			Estimated obligations			
1965	1966	1967	1965	1966	1967	
			US \$	US \$	US \$	
<u>Communicable Diseases (continued)</u>						
4.7.7 BACTERIAL DISEASES						
(For text, see page 32)						
1	1	1		11 460	11 708	Chief medical officer P5
2	2	2		19 360	19 836	Medical officers P4
1	1	1		4 900	5 094	Technical assistant P1
1	1	1		4 810	5 189	Secretary G4
1	2	2		8 251	8 906	Clerk-stenographers G3
<u>6</u>	<u>7</u>	<u>7</u>	31 240	48 781	50 733	Total established posts
			3 200	3 200	3 200	Consultants' fees
			1 500	1 500	1 500	<u>Travel</u>
			3 200	3 600	3 600	Duty
			39 140	57 081	59 033	Consultants
			=====	=====	=====	T o t a l
4.7.8 LEPROSY						
(For text, see page 32)						
1	1	1		10 780	11 040	Chief medical officer P5
1	1	1		10 498	10 758	Medical officer P4
1	1	1		6 310	6 310	Technical assistant P1
1	1	1		5 364	5 611	Secretary G4
1	1	1		4 027	4 350	Clerk-stenographer G3
<u>5</u>	<u>5</u>	<u>5</u>	28 580	36 979	38 069	Total established posts
			1 600	2 400	2 400	Consultants' fees
			1 400	1 500	1 500	<u>Travel</u>
			1 600	2 700	2 700	Duty
			33 180	43 579	44 669	Consultants
			=====	=====	=====	T o t a l
4.7.9 INTERNATIONAL QUARANTINE						
(For text, see page 32)						
1	1	1		13 100	13 100	Chief medical officer P5
2	2	2		22 840	22 840	Medical officers P4
2	2	2		12 250	12 440	Technical assistants P1
1	1	1		4 354	5 632	Administrative assistant G6
1	1	1		5 944	6 392	Clerk G5
2	2	2		10 510	11 190	Clerk-stenographers G4
1	1	1		4 608	4 978	Secretary G4
1	1	1		4 203	4 574	Clerk G4
1	1	1		4 137	4 464	Clerk-stenographer G3
<u>12</u>	<u>12</u>	<u>12</u>	79 220	81 946	85 610	Total established posts
			1 600	1 600	1 600	Consultants' fees
			2 000	1 800	1 500	<u>Travel</u>
			1 600	1 800	1 800	Duty
			84 420	87 146	90 510	Consultants
			=====	=====	=====	T o t a l

## PROGRAMME ACTIVITIES

Regular Budget									
Number of posts			Estimated obligations						
1965	1966	1967	1965	1966	1967				
			US \$	US \$	US \$				
<u>Communicable Diseases (continued)</u>									
4.7.10 GLOBAL EPIDEMIOLOGICAL SURVEILLANCE									
(For text, see page 33)									
1	1	1		10 780	11 040	Chief epidemiologist	P5		
		1			8 930	Epidemiologist	P4		
1	1	1		4 900	5 094	Technical assistant	P1		
1	1	1		4 381	4 742	Secretary	G4		
<u>3</u>	<u>3</u>	<u>4</u>		<u>10 030</u>	<u>20 061</u>	<u>29 806</u>	Total established posts		
Consultants' fees									
6 400                      6 400									
<u>Travel</u>									
Duty									
Consultants									
2 000									
7 200                      7 200									
			<u>10 030</u>	<u>33 661</u>	<u>45 406</u>	T o t a l			
=====									
=====									
=====									
<b>4.8 PUBLIC HEALTH SERVICES</b>									
4.8.0 OFFICE OF THE DIRECTOR									
(For text, see page 34)									
1	1	1		15 062	15 062	Director	D2		
1	1	1		7 052	7 617	Administrative assistant	G7		
1	1	1		5 486	5 912	Secretary	G5		
<u>3</u>	<u>3</u>	<u>3</u>		<u>26 090</u>	<u>27 600</u>	<u>28 591</u>	Total established posts		
Travel									
Duty									
2 000                      2 000                      2 000									
			<u>28 090</u>	<u>29 600</u>	<u>30 591</u>	T o t a l			
=====									
=====									
=====									
4.8.1 PUBLIC HEALTH ADMINISTRATION									
(For text, see page 34)									
1	1	1		13 887	13 887	Chief medical officer	P6		
2	2	2		20 780	21 005	Medical officers	P4		
1	1	1		5 750	5 940	Technical assistant	P1		
1	1	1		4 608	4 978	Secretary	G4		
2	2	2		8 449	9 113	Clerk-stenographers	G3		
<u>7</u>	<u>7</u>	<u>7</u>		<u>51 400</u>	<u>53 474</u>	<u>54 923</u>	Total established posts		
Consultants' fees									
4 000                      4 000                      3 200									
<u>Travel</u>									
Duty									
Consultants									
3 400                      3 400                      3 000									
4 000                      4 500                      3 600									
			<u>62 800</u>	<u>65 374</u>	<u>64 723</u>	T o t a l			
=====									
=====									
=====									

Regular Budget						
Number of posts			Estimated obligations			
1965	1966	1967	1965	1966	1967	
			US\$	US\$	US\$	
<u>Public Health Services (continued)</u>						
<b>4.8.2 NATIONAL HEALTH PLANNING</b>						
(For text, see page 34)						
1	1	1		14 530	14 530	Chief medical officer P6
1	1	1		5 750	5 940	Administrative assistant P1
1	1	1		4 646	5 018	Secretary G4
<u>3</u>	<u>3</u>	<u>3</u>	24 290	24 926	25 488	Total established posts
			2 400	2 400	2 400	Consultants' fees
						<u>Travel</u>
			2 900	2 900	2 900	Duty
			2 400	2 700	2 700	Consultants
			<u>31 990</u>	<u>32 926</u>	<u>33 488</u>	<b>T o t a l</b>
<b>4.8.3 ORGANIZATION OF MEDICAL CARE</b>						
(For text, see page 35)						
1	1	1		11 600	11 876	Chief medical officer P5
1	1	1		9 438	9 658	Medical officer P4
1	1	1		5 655	6 156	Technical assistant G7
1	1	1		4 432	4 794	Secretary G4
		1			4 143	Clerk-stenographer G3
<u>4</u>	<u>4</u>	<u>5</u>	22 760	31 125	36 627	Total established posts
			4 000	2 400	2 400	Consultants' fees
						<u>Travel</u>
			1 300	2 000	2 000	Duty
			4 000	2 700	2 700	Consultants
			<u>32 060</u>	<u>38 225</u>	<u>43 727</u>	<b>T o t a l</b>
<b>4.8.4 HEALTH LABORATORY SERVICES</b>						
(For text, see page 35)						
1	1	1		12 955	13 100	Chief medical officer P5
1	1	1		9 053	9 300	Medical officer P4
1	1	1		6 220	6 405	Scientist P2
1	1	1		4 495	4 860	Secretary G4
1	1	1		4 027	4 350	Clerk-stenographer G3
<u>5</u>	<u>5</u>	<u>5</u>	27 100	36 750	38 015	Total established posts
			6 400	5 600	4 800	Consultants' fees
						<u>Travel</u>
			2 600	3 500	3 000	Duty
			6 400	6 300	5 400	Consultants
			<u>42 500</u>	<u>52 150</u>	<u>51 215</u>	<b>T o t a l</b>

## PROGRAMME ACTIVITIES

			Regular Budget					
Number of posts			Estimated obligations					
1965	1966	1967	1965	1966	1967			
			US \$	US \$	US \$			
<u>Public Health Services (continued)</u>								
4.8.5 NURSING								
(For text, see page 35)								
1	1	1		13 100	13 100	Chief nurse		P5
1	1	1		10 477	10 737	Public health nurse		P4
		1		4 800	5 000	Technical assistant		P1
1	1	1		4 507	4 873	Clerk		G4
1	1	1		4 190	4 560	Secretary		G4
1	1	1		4 148	4 476	Clerk-stenographer		G3
<u>5</u>	<u>6</u>	<u>6</u>		<u>30 950</u>	<u>41 222</u>			
				3 200	3 200	2 400	Total established posts	
							Consultants' fees	
				2 500	2 500	2 500	<u>Travel</u>	
				3 200	3 600	2 700	Duty	
							Consultants	
				<u>39 850</u>	<u>50 522</u>	<u>50 346</u>		<u>Total</u>
				=====	=====	=====		
4.8.6 HEALTH EDUCATION								
(For text, see page 36)								
1	1	1		13 100	13 100	Chief health educator		P5
1	1	1		10 910	10 910	Health educator		P4
1	1	1		4 444	4 807	Secretary		G4
1	1	1		4 170	4 499	Clerk-stenographer		G3
<u>4</u>	<u>4</u>	<u>4</u>		<u>31 200</u>	<u>32 624</u>	<u>33 316</u>	Total established posts	
				3 200	3 200	2 400	Consultants' fees	
				2 900	2 900	2 900	<u>Travel</u>	
				3 200	3 600	2 700	Duty	
							Consultants	
				<u>40 500</u>	<u>42 324</u>	<u>41 316</u>		<u>Total</u>
				=====	=====	=====		
4.8.7 MATERNAL AND CHILD HEALTH								
(For text, see page 36)								
1	1	1		13 305	13 720	Chief medical officer		P6
1	1	1		11 420	11 420	Medical officer		P4
1	1	1		9 053	9 300	Public health nurse/midwife		P4
1	1	1		5 094	5 285	Technical assistant		P1
1	1	1		4 533	4 899	Secretary		G4
1	2	2		8 098	8 745	Clerk-stenographers		G3
<u>6</u>	<u>7</u>	<u>7</u>		<u>41 390</u>	<u>51 503</u>	<u>53 369</u>	Total established posts	
				3 200	2 400	2 400	Consultants' fees	
				3 000	2 500	2 500	<u>Travel</u>	
				3 000	2 700	2 700	Duty	
							Consultants	
				<u>50 590</u>	<u>59 103</u>	<u>60 969</u>		<u>Total</u>
				=====	=====	=====		

Regular Budget						
Number of posts			Estimated obligations			
1965	1966	1967	1965	1966	1967	
			US\$	US\$	US\$	
<u>Public Health Services (continued)</u>						
4.8.8 HUMAN REPRODUCTION						
(For text, see page 37)						
1	1	1			10 650	Chief medical officer P5
		1		9 360	9 585	Medical officer P4
		1			4 800	Technical assistant P1
		1			4 504	Secretary G4
1	1	1		4 225	4 556	Clerk-stenographer G3
<u>2</u>	<u>2</u>	<u>5</u>	12 980	13 585	34 095	Total established posts
			1 600	1 600	2 400	Consultants' fees
						<u>Travel</u>
			1 800	1 000	1 000	Duty
				1 800	2 700	Consultants
			<u>16 380</u>	<u>17 985</u>	<u>40 195</u>	Total
			=====	=====	=====	
<b>4.9 HEALTH PROTECTION AND PROMOTION</b>						
4.9.0 OFFICE OF THE DIRECTOR						
(For text, see page 37)						
1	1	1		15 520	15 520	Director D2
1	1	1		6 918	7 477	Administrative assistant G7
1	1	1		5 582	6 032	Secretary G5
		1			4 143	Clerk-stenographer G3
<u>3</u>	<u>3</u>	<u>4</u>	26 770	28 020	33 172	Total established posts
			2 300	2 300	2 300	<u>Travel</u>
						Duty
			<u>29 070</u>	<u>30 320</u>	<u>35 472</u>	Total
			=====	=====	=====	
4.9.1 SOCIAL AND OCCUPATIONAL HEALTH						
(For text, see page 37)						
1	1	1		10 780	11 040	Chief medical officer P5
		1			11 950	Medical officer P5
1	1			11 420		Medical officer P4
1	1	1		6 547	6 737	Scientist P2
1	1	2		5 137	10 194	Secretaries G4
1	1			4 148		Clerk-stenographer G3
<u>5</u>	<u>5</u>	<u>5</u>	30 640	38 032	39 921	Total established posts
			2 400	2 400	4 800	Consultants' fees
						<u>Travel</u>
			2 100	2 100	3 000	Duty
			2 400	2 700	5 400	Consultants
			<u>37 540</u>	<u>45 232</u>	<u>53 121</u>	Total
			=====	=====	=====	

## PROGRAMME ACTIVITIES

Regular Budget						
Number of posts			Estimated obligations			
1965	1966	1967	1965	1966	1967	
			US\$	US\$	US\$	
<u>Health Protection and Promotion (continued)</u>						
4.9.2 MENTAL HEALTH						
(For text, see page 38)						
1	1	1		13 100	13 100	Chief medical officer P5
2	2	2		21 863	22 380	Medical officers P5
1	1	1		11 232	11 420	Medical officer P4
1	1	1		7 880	7 880	Scientist P2
2	2	2		9 797	10 985	Secretaries G4
1	2	2		7 957	8 929	Clerk-stenographers G3
<u>8</u>	<u>9</u>	<u>9</u>	65 220	71 829	74 694	Total established posts
			5 600	4 800	4 800	Consultants' fees
						<u>Travel</u>
			2 700	3 500	3 500	Duty
			5 600	5 400	5 400	Consultants
			<u>79 120</u>	<u>85 529</u>	<u>88 394</u>	Total
4.9.3 NUTRITION						
(For text, see page 39)						
1	1	1		12 640	13 060	Chief medical officer P6
1	1	1		12 882	13 100	Medical officer P5
1	1	1		10 867	11 127	Scientist P5
1	1	1		11 420	11 420	Medical officer P4
1	1	1		8 143	8 353	Scientist P3
1	1	1		7 373	7 583	Scientist P2
2	2	2		8 939	9 667	Secretaries G4
1	1	1		5 818	6 086	Clerk-stenographer G4
2	2	2		8 493	9 159	Clerk-stenographers G3
<u>11</u>	<u>11</u>	<u>11</u>	81 220	86 575	89 555	Total established posts
			8 800	8 000	7 200	Consultants' fees
						<u>Travel</u>
			4 200	4 200	4 000	Duty
			8 800	9 000	8 100	Consultants
			<u>103 020</u>	<u>107 775</u>	<u>108 855</u>	Total
4.9.4 DENTAL HEALTH						
(For text, see page 40)						
1	1	1		11 780	12 071	Chief dental health officer P5
				6 130	6 310	Scientist P2
1	1	1		4 520	4 886	Secretary G4
<u>2</u>	<u>3</u>	<u>3</u>	15 600	22 430	23 267	Total established posts
			2 400	2 400	2 400	Consultants' fees
						<u>Travel</u>
			1 200	1 200	1 200	Duty
			2 400	2 700	2 700	Consultants
			<u>21 600</u>	<u>28 730</u>	<u>29 567</u>	Total

Regular Budget							
Number of posts			Estimated obligations				
1965	1966	1967	1965	1966	1967		
			US \$	US \$	US \$		
<u>Health Protection and Promotion (continued)</u>							
4.9.5 CARDIOVASCULAR DISEASES							
(For text, see page 40)							
1	1	1		12 473	12 762	Chief medical officer	P5
1	1	2		11 420	20 350	Medical officers	P4
1	1	1		6 563	6 753	Scientist	P2
1	1	1		5 818	6 086	Secretary	G4
1	1	1		4 137	4 464	Clerk-stenographer	G3
<u>5</u>	<u>5</u>	<u>6</u>	38 730	40 411	50 415	Total established posts	
			2 400	2 400	2 400	Consultants' fees	
			2 000	2 500	2 500	<u>Travel</u>	
			2 400	2 700	2 700	Duty	
						Consultants	
			<u>45 530</u>	<u>48 011</u>	<u>58 015</u>	T o t a l	
4.9.6 CANCER							
(For text, see page 40)							
1	1	1		12 197	12 473	Chief medical officer	P5
2	2	2		20 202	20 715	Medical officers	P4
1	1	1		6 220	6 405	Scientist	P2
1	1	1		4 735	5 110	Secretary	G4
2	2	2		8 559	9 228	Clerk-stenographers	G3
<u>7</u>	<u>7</u>	<u>7</u>	46 490	51 913	53 931	Total established posts	
			3 200	3 200	2 400	Consultants' fees	
			2 800	3 000	3 000	<u>Travel</u>	
			3 200	3 600	2 700	Duty	
						Consultants	
			<u>55 690</u>	<u>61 713</u>	<u>62 031</u>	T o t a l	
4.9.7 RADIATION AND ISOTOPES							
(For text, see page 41)							
1	1	1		13 950	14 335	Chief medical officer	P6
1	1	1		12 380	12 665	Medical officer	P5
1	1	1		9 053	9 300	Scientist	P4
1	1	1		6 880	7 060	Scientist	P2
1	1	1		5 226	5 624	Secretary	G4
2	2	2		8 109	8 758	Clerk-stenographers	G3
<u>7</u>	<u>7</u>	<u>7</u>	47 170	55 598	57 742	Total established posts	
			6 400	5 600	4 800	Consultants' fees	
			4 700	4 700	4 200	<u>Travel</u>	
			6 400	6 300	5 400	Duty	
						Consultants	
			<u>64 670</u>	<u>72 198</u>	<u>72 142</u>	T o t a l	

## PROGRAMME ACTIVITIES

Regular Budget						
Number of posts			Estimated obligations			
1965	1966	1967	1965	1966	1967	
			US \$	US \$	US \$	
<u>Health Protection and Promotion (continued)</u>						
4.9.8 HUMAN GENETICS						
(For text, see page 42)						
1	1	1		10 910	11 170	Chief medical officer P5
	1	1		7 460	7 670	Scientist P3
1	1	1		4 444	4 807	Secretary G4
<u>2</u>	<u>3</u>	<u>3</u>	14 670	22 814	23 647	Total established posts
			3 200	3 200	3 200	Consultants' fees
			2 000	2 000	2 000	<u>Travel</u>
			3 200	3 600	3 600	Duty Consultants
			<u>23 070</u>	<u>31 614</u>	<u>32 447</u>	Total
4.9.9 GERONTOLOGY AND CHRONIC NON-COMMUNICABLE DISEASES						
(For text, see page 42)						
		1			10 650	Medical officer P5
		1			4 504	Secretary G4
		<u>2</u>			15 154	Total established posts
					1 600	Consultants' fees
					1 000	<u>Travel</u>
					1 800	Duty Consultants
					<u>19 554</u>	Total
4.10 ENVIRONMENTAL HEALTH						
4.10.0 OFFICE OF THE DIRECTOR						
(For text, see page 43)						
1	1	1		14 530	14 775	Director D2
1	1	1		6 746	7 297	Administrative assistant G7
1	1	1		5 458	5 884	Secretary G5
<u>3</u>	<u>3</u>	<u>3</u>	20 070	26 734	27 956	Total established posts
			1 800	1 800	2 000	<u>Travel</u>
			<u>21 870</u>	<u>28 534</u>	<u>29 956</u>	Total



			Regular Budget					
Number of posts			Estimated obligations					
1965	1966	1967	1965	1966	1967			
			US \$	US \$	US \$			
<u>Environmental Health</u> (continued)								
4.10.1 WASTES DISPOSAL								
(For text, see page 43)								
1	1	1		11 998	12 287	Chief sanitary engineer	P5	
1	1	1		6 310	6 310	Technical assistant	P1	
1	1	1		4 633	5 005	Secretary	G4	
<u>3</u>	<u>3</u>	<u>3</u>	22 110	22 941	23 602	Total established posts		
			2 400	2 400	2 400	Consultants' fees		
			1 500	1 500	1 500	<u>Travel</u>		
			2 400	2 700	2 700	Duty		
						Consultants		
			<u>28 410</u>	<u>29 541</u>	<u>30 202</u>	T o t a l		
4.10.2 ENVIRONMENTAL POLLUTION								
(For text, see page 43)								
1	1	1		12 979	13 100	Chief sanitary engineer	P5	
	1	1		9 053	9 300	Epidemiologist	P4	
1	1	1		5 818	6 086	Secretary	G4	
	1	1		3 675	4 001	Secretary	G3	
<u>2</u>	<u>4</u>	<u>4</u>	17 930	31 525	32 487	Total established posts		
			2 400	2 400	2 400	Consultants' fees		
			1 300	2 000	2 000	<u>Travel</u>		
			2 400	2 700	2 700	Duty		
						Consultants		
			<u>24 030</u>	<u>38 625</u>	<u>39 587</u>	T o t a l		
4.10.3 SANITATION SERVICES AND HOUSING								
(For text, see page 44)								
1	1	1		13 100	13 100	Chief sanitary engineer	P5	
1	1	1		9 053	9 300	Scientist	P4	
1	1	1		4 747	4 965	Secretary	G4	
1	1	1		4 301	4 499	Clerk-stenographer	G3	
<u>4</u>	<u>4</u>	<u>4</u>	25 240	31 201	31 864	Total established posts		
			4 800	4 000	4 000	Consultants' fees		
			1 600	1 600	1 600	<u>Travel</u>		
			4 800	4 500	4 500	Duty		
						Consultants		
			<u>36 440</u>	<u>41 301</u>	<u>41 964</u>	T o t a l		

## PROGRAMME ACTIVITIES

Regular Budget									
Number of posts			Estimated obligations						
1965	1966	1967	1965	1966	1967				
			US \$	US \$	US \$				
<b>Environmental Health (continued)</b>									
<b>4.10.4 ENVIRONMENTAL BIOLOGY</b>									
(For text, see page 44)									
1	1	1		11 756	12 047	Chief scientist	P5		
1	1	1		4 860	5 241	Secretary	G4		
<u>2</u>	<u>2</u>	<u>2</u>	15 890	16 616	17 288	Total established posts			
			3 200	2 400	2 400	Consultants' fees			
<u>Travel</u>									
			2 000	2 000	2 000	Duty			
			3 200	2 700	2 700	Consultants			
			<u>24 290</u>	<u>23 716</u>	<u>24 388</u>	Total			
<b>4.10.5 COMMUNITY WATER SUPPLY</b>									
(For text, see page 45)									
1	1	1		13 100	13 100	Chief sanitary engineer	P5		
2	2	2		19 243	19 702	Sanitary engineers	P4		
1	1	1		5 175	5 571	Secretary	G4		
<u>1</u>	<u>1</u>	<u>1</u>		<u>4 399</u>	<u>4 864</u>	Clerk-stenographer*	<u>G3</u>		
1	1	1		4 520	4 476	Clerk-stenographer	G3		
<u>5</u>	<u>5</u>	<u>5</u>	40 330	42 038	42 849	Total established posts			
			2 400	2 400	2 400	Consultants' fees			
<u>Travel</u>									
			3 000	3 000	3 000	Duty			
			2 400	2 700	2 700	Consultants			
			<u>48 130</u>	<u>50 138</u>	<u>50 949</u>	Total			
<b>4.11 EDUCATION AND TRAINING</b>									
<b>4.11.0 OFFICE OF THE DIRECTOR</b>									
(For text, see page 45)									
1	1	1		15 520	15 520	Director	D2		
1	1	1		6 631	7 177	Administrative assistant	G7		
1	1	1		5 569	6 000	Secretary	G5		
<u>3</u>	<u>3</u>	<u>3</u>	26 544	27 720	28 697	Total established posts			
<u>Travel</u>									
			1 400	1 400	1 400	Duty			
			<u>27 944</u>	<u>29 120</u>	<u>30 097</u>	Total			

\* Financed from the Special Account for Servicing Costs (see Notes on Presentation, para. 1.2).

Regular Budget						
Number of posts			Estimated obligations			
1965	1966	1967	1965	1966	1967	
			US\$	US\$	US\$	
<u>Education and Training (continued)</u>						
4.11.1 FELLOWSHIPS						
(For text, see page 46)						
1	1	1		12 333	12 617	Chief medical officer P5
1	1	1		9 420	9 640	Medical officer P4
2	2	2		11 498	12 219	Clerks G5
1	1	1		5 831	6 162	Clerk-stenographer G5
<u>5</u>	<u>5</u>	<u>5</u>		<u>37 690</u>	<u>39 082</u>	<u>40 638</u> Total established posts
				1 600	1 600	1 600 Consultants' fees
				1 500	1 500	1 500 <u>Travel</u>
				1 600	1 800	1 800 Duty
				<u>42 390</u>	<u>43 982</u>	<u>45 538</u> Consultants
				=====	=====	===== Total
4.11.2 EDUCATION IN MEDICINE AND ALLIED SUBJECTS						
(For text, see page 46)						
1	1	1		11 480	11 732	Chief medical officer P5
1	1	1		10 173	10 433	Medical officer P4
1	1	1		6 711	7 278	Technical assistant G7
1	1	1		4 684	5 448	Secretary G4
1	1	1		4 104	4 431	Clerk-stenographer G3
<u>5</u>	<u>5</u>	<u>5</u>		<u>34 900</u>	<u>37 152</u>	<u>39 322</u> Total established posts
				4 800	4 800	4 000 Consultants' fees
				1 500	1 500	1 500 <u>Travel</u>
				4 800	5 400	4 500 Duty
				<u>46 000</u>	<u>48 852</u>	<u>49 322</u> Consultants
				=====	=====	===== Total
4.11.3 PUBLIC HEALTH EDUCATION AND TRAINING						
(For text, see page 46)						
1	1	1		13 100	13 100	Chief medical officer P5
1	1	1		7 419	7 779	Technical assistant G7
1	1	1		4 608	5 361	Secretary G4
<u>3</u>	<u>3</u>	<u>3</u>		<u>23 950</u>	<u>25 127</u>	<u>26 240</u> Total established posts
				5 600	4 000	3 200 Consultants' fees
				1 500	1 500	1 500 <u>Travel</u>
				5 600	4 500	3 600 Duty
				<u>36 650</u>	<u>35 127</u>	<u>34 540</u> Consultants
				=====	=====	===== Total

				Regular Budget			
Number of posts			Estimated obligations				
1965	1966	1967	1965	1966	1967		
			US \$	US \$	US \$		
<b>4.12 EDITORIAL AND REFERENCE SERVICES</b>							
4.12.0 OFFICE OF THE DIRECTOR (For text, see page 47)							
1	1	1		15 520	15 520	Director	
1	1	1		5 601	6 118	Administrative assistant	
1	1	1		4 958	5 361	Secretary	
<u>Distribution and Sales</u>							
1	1	1		10 325	10 585	Distribution and sales officer	
1	1	1		6 310	6 310	Distribution officer	
1	1	1		5 582	6 052	Administrative assistant	
1	1	1		4 721	5 131	Distribution clerk	
1	1	1		5 179	5 609	Clerk	
1	1	1		4 860	5 241	Secretary	
1	1	2		5 400	10 172	Clerks	
1	1	1		3 752	4 081	Clerk	
<u>Graphics</u>							
1	1	1		7 218	7 425	Draughtsman	
1	1	1		6 310	6 310	Draughtsman	
2	2	2		11 520	12 263	Draughtsmen	
<u>Printing</u>							
1	1	1		9 755	9 870	Printing officer	
2	2	2		15 051	15 253	Printing officers	
1	1	1		5 400	5 668	Clerk	
<u>Terminology</u>							
1	1	1		9 870	9 870	Terminologist	
1	1	1		4 621	4 992	Clerk-stenographer	
<u>21</u>	<u>21</u>	<u>22</u>		<u>136 750</u>	<u>141 953</u>	<u>151 831</u>	
Total established posts							
			60 000	40 000	70 000	Temporary staff	
<u>Travel</u>							
			2 000	2 000	2 000	Duty	
			<u>198 750</u>	<u>183 953</u>	<u>223 831</u>	<u>T o t a l</u>	
4.12.1 TRANSLATION (For text, see page 48)							
1	1	1		13 100	13 100	Chief translator	
11	11	12		116 905	127 937	Translators	
18	18	20		153 922	172 588	Translators	
2	2	2		10 468	11 337	Clerks	
<u>32</u>	<u>32</u>	<u>35</u>		<u>290 506</u>	<u>294 395</u>	<u>324 962</u>	
Total established posts							
			<u>290 506</u>	<u>294 395</u>	<u>324 962</u>	<u>T o t a l</u>	

Regular Budget								
Number of posts			Estimated obligations					
1965	1966	1967	1965	1966	1967			
			US \$	US \$	US \$			
<u>Editorial and Reference Services (continued)</u>								
4.12.2 TECHNICAL PUBLICATIONS								
(For text, see page 48)								
1	1	1		13 100	13 100	Chief editor		P5
1	1	1		10 217	10 477	Editor		P4
13	13	13		110 289	112 719	Editors		P3
					4 800	Editor		P1
2	2	2		10 512	11 363	Editorial clerks		G5
<u>17</u>	<u>17</u>	<u>18</u>	<u>134 040</u>	<u>144 118</u>	<u>152 459</u>	Total established posts		
			<u>134 040</u>	<u>144 118</u>	<u>152 459</u>	Total		
			=====	=====	=====			
4.12.3 OFFICIAL RECORDS								
(For text, see page 48)								
1	1	1		13 100	13 100	Chief editor		P5
9	9	9		78 932	80 738	Editors		P3
7	7	7		49 017	50 383	Editors		P2
2	2	2		11 832	12 681	Editorial clerks		G5
<u>19</u>	<u>19</u>	<u>19</u>	<u>148 100</u>	<u>152 881</u>	<u>156 902</u>	Total established posts		
			<u>148 100</u>	<u>152 881</u>	<u>156 902</u>	Total		
			=====	=====	=====			
4.12.4 HEALTH LEGISLATION								
(For text, see page 48)								
1	1	1		13 100	13 100	Chief editor		P5
4	4	4		33 530	34 408	Editors		P3
1	1	1		4 190	4 560	Editorial clerk		G4
<u>6</u>	<u>6</u>	<u>6</u>	<u>46 210</u>	<u>50 820</u>	<u>52 068</u>	Total established posts		
			<u>46 210</u>	<u>50 820</u>	<u>52 068</u>	Total		
			=====	=====	=====			
4.12.5 LIBRARY AND REFERENCE SERVICES								
(For text, see page 49)								
1	1	1		13 100	13 100	Chief librarian		P5
1	1	1		9 870	9 870	Librarian		P3
6	6	6		44 822	45 631	Librarians		P2
2	2	2		11 326	11 706	Librarians		P1
3	3	3		15 595	16 679	Library clerks		G5
7	7	7		33 189	35 938	Library clerks		G4
1	1	1		4 470	4 834	Secretary		G4
1	1	1		3 850	4 184	Library clerk		G3
<u>22</u>	<u>22</u>	<u>22</u>	<u>128 460</u>	<u>136 222</u>	<u>141 942</u>	Total established posts		
			<u>128 460</u>	<u>136 222</u>	<u>141 942</u>	Total		
			=====	=====	=====			

## PROGRAMME ACTIVITIES

Regular Budget						
Number of posts			Estimated obligations			
1965	1966	1967	1965	1966	1967	
			US \$	US \$	US \$	
<b>4.13 VECTOR CONTROL</b>						
(For text, see page 49)						
1	1	1		12 907	13 100	Chief scientist P5
1	2	2		21 495	22 015	Scientists P4
	1	1		9 812	10 065	Biologist P4
	1	1		5 969	6 437	Administrative assistant G6
	1	1		5 923	6 389	Technical assistant G6
1	1	1		4 810	5 189	Secretary G4
	3	4		12 849	17 997	Clerk-stenographers G3
<u>3</u>	<u>10</u>	<u>11</u>		<u>27 430</u>	<u>73 765</u>	<u>81 192</u> Total established posts
				5 600	7 200	6 400 Consultants' fees
				2 300	3 500	3 500 <u>Travel</u>
				5 600	8 100	7 200 Duty
				<u>40 930</u>	<u>92 565</u>	<u>98 292</u> Consultants
				=====	=====	=====
Total						
<b>4.14 PROGRAMME CO-ORDINATION</b>						
(For text, see page 49)						
1	1	1		13 100	13 100	Chief medical officer P6
1	1	1		11 420	11 420	Medical officer P4
2	2	2		18 058	18 345	Reports officers P3
1	1	1		5 199	5 632	Administrative assistant G6
<u>1</u>	<u>1</u>	<u>1</u>		<u>5 595</u>	<u>6 150</u>	Administrative assistant* <u>G6</u>
1	1	1		4 633	5 005	Secretary G4
2	2	2		8 685	9 420	Clerk-stenographers G4
<u>8</u>	<u>8</u>	<u>8</u>		<u>59 250</u>	<u>61 095</u>	<u>62 922</u> Total established posts
				1 500	1 500	1 500 <u>Travel</u>
				60 750	62 595	64 422 Duty
				=====	=====	=====
Total						
<b>4.15 PROGRAMME FORMULATION AND EVALUATION</b>						
(For text, see page 50)						
1	1	1		12 592	12 882	Chief medical officer P6
1	1	1		11 876	12 167	Medical officer P5
1	1	1		6 737	6 925	Evaluation officer P2
2	2	2		12 620	12 620	Technical assistants P1
1	2	2		10 876	11 761	Administrative assistants G6
2	2	2		9 064	9 799	Secretaries G4
<u>8</u>	<u>9</u>	<u>9</u>		<u>55 360</u>	<u>63 765</u>	<u>66 154</u> Total established posts
					2 400	2 400 Consultants' fees
				2 200	2 200	2 200 <u>Travel</u>
					2 700	2 700 Duty
				<u>57 560</u>	<u>65 965</u>	<u>73 454</u> Consultants
				=====	=====	=====
Total						

\* Financed from the Special Account for Servicing Costs (see Notes on Presentation, para. 1.2).

Regular Budget						
Number of posts			Estimated obligations			
1965	1966	1967	1965	1966	1967	
			US \$	US \$	US \$	
<b>4.16 SENIOR STAFF TRAINING</b>						
(For text, see page 50)						
1	1	1		12 022	12 310	Medical officer P5
1	1	1		4 520	4 886	Secretary G4
		1			4 504	Clerk-stenographer G4
<u>2</u>	<u>2</u>	<u>3</u>	15 730	16 542	21 700	Total established posts
<u>Travel</u>						
Duty 1 000						
			15 730	16 542	22 700	T o t a l
=====						
<b>4.17 SUPPLY</b>						
(For text, see page 50)						
1	1	1		13 100	13 100	Chief supply officer P5
1	1	1		10 390	10 650	Supply officer P4
3	3	3		27 101	27 558	Supply officers P3
1	1	1		7 478	7 688	Supply officer P2
	1	1		4 800	5 000	Purchasing officer P1
7	7	7		39 652	42 918	Administrative assistants G6
1	1	1		5 184	5 615	Clerk G6
1	1	1		4 443	4 841	Supply clerk G5
1	1	1		4 818	5 232	Storeman G5
1	1	1		4 696	5 071	Clerk-stenographer G4
1	1	1		4 152	4 525	Clerk G4
1	2	2		7 988	8 631	Clerks G3
5	5	5		20 266	21 906	Clerk-stenographers G3
<u>24</u>	<u>26</u>	<u>26</u>	139 300	154 068	162 735	Total established posts
<u>Travel</u>						
Duty 1 400						
			140 700	155 468	164 135	T o t a l
=====						
<b>4.18 DATA PROCESSING</b>						
(For text, see page 51)						
1	1	1		9 073	9 320	Data-processing officer P4
1	1	1		7 600	7 810	Administrative services officer P3
2	2	2		12 350	12 714	Programme analysts P2
1	4	4		20 166	21 865	Programmers G6
2	2	2		10 871	11 795	Machine operators G6
	1	1		4 625	5 012	Machine operator G5
1	1	1		4 329	4 705	Clerk G4
3	5	5		19 375	21 012	Clerks G3
<u>11</u>	<u>17</u>	<u>17</u>	40 090	88 389	94 233	Total established posts
22 000						
<u>Travel</u>						
Duty 1 000						
			41 090	89 389	117 233	T o t a l
=====						

## PROGRAMME ACTIVITIES

Regular Budget						
Number of posts			Estimated obligations			
1965	1966	1967	1965	1966	1967	
			US \$	US \$	US \$	
<b>4.19 INTERPRETATION</b>						
(For text, see page 51)						
10	10	10	<u>  </u>	<u>104 866</u>	<u>106 630</u>	Interpreters P4
10	10	10	<u>94 430</u> *	<u>104 866</u> *	<u>106 630</u> *	Total established posts
			<u>94 430</u>	<u>104 866</u>	<u>106 630</u>	T o t a l
<b>4.20 OTHER STATUTORY STAFF COSTS</b>						
			<u>1 701 534</u>	<u>1 994 904</u>	<u>2 480 348</u>	Other statutory staff costs
			<u>1 701 534</u>	<u>1 994 904</u>	<u>2 480 348</u>	T o t a l
<b>4.21 GRANTS</b>						
			<u>20 000</u>	<u>20 000</u>	<u>20 000</u>	Council for International Organizations of Medical Sciences (see page 21)
				<u>10 000</u>		World Medical Association
			<u>20 000</u>	<u>30 000</u>	<u>20 000</u>	T o t a l
<b>4.22 OTHER COSTS</b>						
			<u>25 000</u>	<u>25 000</u>	<u>25 000</u>	Advisory Committee on Medical Research (see page 22)
			<u>13 000</u>	<u>9 000</u>	<u>9 000</u>	Meeting on international requirements for biological substances (see page 24)
			<u>9 000</u>	<u>10 000</u>	<u>10 000</u>	Scientific group on immunological research (see page 25)
			<u>9 000</u>			Scientific group on rationale of drug testing: preclinical safety studies
				<u>10 000</u>	<u>11 600</u>	Scientific group on principles and requirements for the clinical testing of the therapeutic safety of drugs (see page 26)
				<u>10 000</u>		Scientific group on methods of testing teratogenic toxicity
					<u>13 200</u>	Meeting on the monitoring of adverse drug reactions (see page 26)
				<u>10 000</u>		Scientific group on viruses in relation to human cancer
					<u>10 000</u>	Scientific group on enteroviruses (including hepatitis) (see page 30)
			<u>6 000</u>		<u>10 000</u>	Scientific group on trachoma research
					<u>10 000</u>	Meeting of directors of WHO virus reference centres (see page 30)
				<u>10 000</u>		Scientific group on the diffuse connective tissue diseases
					<u>10 800</u>	Scientific group on health factors involved in working under conditions of physical stress (see page 38)
			<u>5 200</u>		<u>10 000</u>	Meeting on comparative research in specific mental disorders (see page 39)

\* Provision for these posts is included in the estimates for the various meetings serviced under Appropriation Sections 1, 2, 3, 4 and 6. The costs shown in parenthesis are therefore not included in the total estimates for Programme Activities.



Regular Budget						
Number of posts			Estimated obligations			
1965	1966	1967	1965	1966	1967	
			US \$	US \$	US \$	
<u>Other Costs</u> (continued)						
	8 800				10 800	Scientific group on genetics in psychiatry
					10 000	Scientific group on the biochemistry of the brain (see page 39)
	8 700	15 000	15 000		10 000	Meeting on iron deficiency and megaloblastic anaemias (see page 39)
					10 000	Meetings on ecological studies of atherosclerosis, ischaemic heart disease and cerebrovascular disease (see page 40)
		10 000			10 000	Meeting on the etiology of cardiomyopathies (see page 40)
	9 000					Scientific group on soft-tissue tumours
		10 000				Scientific group on skin tumours
	9 000					Scientific group on leukaemias and other neoplastic conditions of the haemopoietic cells
		10 000				Scientific group on urinary bladder tumours
	9 000					Scientific group on oropharyngeal tumours
					9 000	Meeting on the epidemiology of tumours in Africa
					9 000	Meetings on cancer classification:
					9 000	- Bone tumours (see page 41)
					9 000	- Ovarian tumours (see page 41)
					9 000	- Odontogenic tumours (see page 41)
					9 000	- Urinary bladder tumours (see page 41)
					10 000	Scientific group on the histopathological nomenclature and classification of uterine tumours (see page 41)
	10 000					Meeting of investigators on methodology of twin studies
	9 000					Scientific group on haemoglobinopathies and allied disorders
					10 000	Scientific group on inborn errors of metabolism (see page 42)
					10 000	Scientific group on genetics and the immune response (see page 42)
	1 200					Study group on special courses for national staff with higher administrative responsibilities in the health services (report)
	300	300			300	Supply of biological standards (see page 24)
	700	900			3 400	Immunological supplies for collaborating laboratories (see page 25)
	500	500			500	Purchase of pharmaceuticals (see page 25)
	28 600	38 800			40 000	Epidemiological telegrams, broadcasts and reports (see page 33)
					100	Purchase of equipment and reagents (health laboratory services) (see page 35)
	500	500			500	Supply of drugs and small laboratory equipment (cardiovascular diseases) (see page 40)
	412 500	494 700			517 500	Printing of publications (see page 48)
	304 000	308 000			308 000	Contractual editorial services (including commissioned translation) (see page 48)
	8 000	8 000			8 000	Sales promotion material (see page 48)
	30 000	30 000			30 000	Books for library (see page 49)
					70 000	Twentieth anniversary projects (see page 57)
	1 000	1 000			1 000	Vaccine testing (see page 51)
	5 000	5 000			5 000	Technical literature
	<u>923 000</u>	<u>1 016 700</u>			<u>1 205 700</u>	T o t a l

## ESTIMATED REQUIREMENTS FOR PUBLICATIONS FOR THE FINANCIAL YEAR 1967

Title of publication	Number of issues per language	Number of pages per language	Language	Number of copies per issue	Estimated cost US \$
<u>World Health</u> .....	10	370	English	60 000	99 000
			French	20 000	33 000
			Russian	10 000	*
			Spanish	20 000	33 000
			Portuguese	10 000	16 500
<u>WHO Chronicle</u> .....	12	600	English	9 300	17 490
			French	3 500	10 890
			Russian	3 000	*
			Spanish	3 500	11 330
			Chinese	1 000	2 800
<u>Bulletin of the World Health Organization</u> .....	12	2 000	English/French	4 700	58 130
Translation of <u>Bulletin of the World Health Organization</u> ....	12	2 000	Russian	2 500	*
Monographs and occasional publications .....	10	2 400	English	5 000	46 970
	10	2 400	French	1 500	33 880
	7	1 700	Russian	5 000	*
	7	1 700	Spanish	1 200	28 380
<u>International Digest of Health Legislation</u> , including off-prints of comparative surveys .....	4	900	English	1 600	12 960
			French	900	10 740
<u>Epidemiological and Vital Statistics Report</u> .....	12	800	English/French	2 800	36 740
<u>World Health Statistics Annual</u> .....	3	900	English/French	2 200	24 480
			Russian	1 000	*
Paper .....					41 210
Total					517 500
<u>Technical Report Series</u> .....	22	1 320	English	5 600	18 900
The cost of printing these reports is charged as part of the cost of the respective meeting.			French	1 600	14 300
			Russian	5 000	*
			Spanish	1 300	14 800
Paper .....					7 000
Total					55 000
<u>Official Records</u> Provision for the cost of printing these volumes is included in the estimates for the Health Assembly and the Executive Board.					
Annual Report of the Director-General .....	1	220	English	3 400	6 000
			French	1 600	4 780
			Russian	1 000	*
			Spanish	800	4 480
Proposed Programme and Budget Estimates .....	1	600	English	2 400	12 100
			French	1 300	10 390
			Russian	1 000	*
			Spanish	600	9 820
Annual Financial Report and Report of the External Auditor ..	1	100	English	2 200	2 750
			French	1 200	2 360
			Russian	1 000	*
			Spanish	600	2 150
Proceedings of the Health Assembly .....	2	660	English	2 000	13 090
			French	1 100	11 740
			Russian	1 000	*
			Spanish	500	10 750
Agenda for the Health Assembly .....	1	8	English	1 800	150
			French	1 300	80
Basic Documents .....	1	200	English	2 400	1 970
			French	1 400	1 480
			Russian	1 000	*
			Spanish	600	1 240
Handbook of Resolutions and Decisions .....	1	570	English	2 700	8 300
			French	1 500	7 500
			Russian	1 000	*
			Spanish	600	6 500
Report of the Executive Board (January session) .....	2	270	English	2 400	6 720
			French	1 400	5 830
			Russian	1 000	*
			Spanish	600	5 450
Report of the Executive Board (June session) .....	1	50	English	2 000	1 230
			French	1 100	950
			Russian	1 000	*
			Spanish	500	830
Paper: (a) for Health Assembly volumes .....					7 800
(b) for Executive Board volumes .....					1 200
Total					147 640

\* Provision is made for the issue of publications in Russian under a contractual arrangement (see p. 48).

5. REGIONAL OFFICES: SUMMARY

Regular Budget						Technical Assistance				Other Extra-budgetary Funds				
Number of posts			Estimated obligations			Number of posts			Estimated obligations			Source of funds		
1965	1966	1967	1965			1966	1967	1965	1966	1967	1965		1966	1967
			US\$	US\$	US\$		US\$	US\$	US\$		US\$	US\$	US\$	
<u>SUMMARY</u>														
97	106	106	864 270	1 018 833	1 190 487	Africa								
58	58	58	792 548	841 555	867 405	The Americas	180	178	178	2 914 699	3 081 138	3 180 767		
95	95	95	505 370	532 820	570 319	South-East Asia								
85	88	90	784 311	866 221	920 240	Europe								
81	86	86	526 653	557 882	573 045	Eastern Mediterranean								
58	59	62	442 640	497 343	515 968	Western Pacific								
7	7	7	99 080	99 543	108 741	Rotational administration and finance staff								
481	499	504	4 014 872	4 414 197	4 746 205	Sub-total	180	178	178	2 914 699	3 081 138	3 180 767		
			1 030 376	1 190 433	1 248 388	Less:								
				12 629	15 592	(a) Other statutory staff costs				649 143	730 864	754 621		
				8 080	1 600	(b) Staff turnover								
						(c) Delays in filling new posts								
			1 030 376	1 211 142	1 265 580	Total deductions				649 143	730 864	754 621		
			2 984 496	3 203 055	3 480 625	Net total				2 265 556	2 350 274	2 426 146		
			499 281	568 874	589 439	Add: Staff assessment								
481	499	504	3 483 777	3 771 929	4 070 064	Total - REGIONAL OFFICES	180	178	178	2 265 556	3 081 138	3 180 767		
<u>ROTATIONAL ADMINISTRATION AND FINANCE STAFF</u>														
(For text, see page 52)														
ADMINISTRATION AND FINANCE														
1	1	1		12 979	13 100	Administration and finance officer							P5	
Budget and Finance														
1	1	1		7 548	7 758	Budget and finance officer							P3	
1	1	1		6 595	6 785	Budget/Finance officer							P2	
Personnel														
1	1	1		7 548	7 758	Personnel officer							P3	
General Services														
1	1	1		7 548	7 758	Supply services officer							P3	
1	1	1		8 991	9 240	Administrative services officer							P2	
1	1	1		4 883	5 078	Administrative officer							P1	
7	7	7	52 590	56 092	57 477	Total established posts								
Travel														
			4 000	4 000	4 000	Duty								
			42 490	39 451	47 264	Other statutory staff costs								
7	7	7	99 080	99 543	108 741	Total - ROTATIONAL ADMINISTRATION AND FINANCE STAFF								

## 6. EXPERT COMMITTEES

	Regular Budget		
	Estimated obligations		
	1965 US \$	1966 US \$	1967 US \$
1. Epidemiological methods in the study of non-communicable diseases .....		11 700	
2. Sampling methods in morbidity surveys and public health investigations .....	11 000		
3. Morbidity statistics .....	(see page 23)		12 200
4. Biological standardization .....	(see page 24)	11 000	12 200
5. Specifications for pharmaceutical preparations .....	(see page 26)	11 000	12 200
6. Sub-committee on non-proprietary names .....	(see page 26)	8 600	9 800
7. Dependence-producing drugs .....	(see page 26)	11 000	12 200
8. Immunology .....		11 000	
9. Malaria .....	(see page 27)	11 000	12 200
10. Venereal infections and treponematoses .....	(see page 29)		12 200
11. Food hygiene (Food microbiology) .....	(see page 30)		11 400
12. Zoonoses .....		11 700	
13. Rabies .....	10 200		
14. Control of intestinal helminths .....	(see page 31)		12 200
15. Onchocerciasis .....	11 000		
16. Filariasis .....		11 700	
17. Epidemiology of bilharziasis .....		11 700	
18. Coccal infections .....	(see page 32)		12 200
19. Cholera .....		11 700	
20. Leprosy .....	10 200		
21. International quarantine* .....	(see page 33)	11 000	12 200
22. National health planning, with special reference to developing countries .....		11 700	
23. Training of laboratory personnel .....	11 000		
24. Hospital administration .....	(see page 35)		12 200
25. Nursing education and nursing service .....		11 700	
26. Planning and evaluation of health education services .....		11 700	
27. Prevention of perinatal mortality and morbidity .....	(see page 37)		12 200
28. The midwife in maternity care .....	11 000		
29. Occupational health (ILO/WHO) .....		11 700	
30. Criteria for threshold limit values of exposure to toxic substances .....	(see page 38)		12 200
31. Health of seafarers (ILO/WHO) .....	9 400		
32. Organization of services for the mentally sub-normal .....	(see page 39)		12 200
33. Organization of services for the prevention and treatment of alcoholism .....		11 700	
34. Food additives (FAO/WHO) .....	(see page 39)	9 400	10 600
35. Toxicity of pesticide residues (FAO/WHO) .....	(see page 39)	9 400	10 600
36. Nutrition and infection .....	11 000		
37. Nutrition (FAO/WHO) .....		9 300	
38. Prevention of rheumatic fever .....		11 700	
39. Cancer treatment .....	11 000		
40. Hospital radiological services .....	(see page 41)		12 200
41. Health promotion and protection of the aging .....	(see page 42)		12 200
42. Water pollution .....	(see page 44)	11 000	12 200
43. Sanitary engineering training programmes .....	(see page 44)		12 200
44. Methodology for the survey and appraisal of the hygienic quality of housing and its urban environment .....		11 700	
45. Chemistry and specifications of insecticides .....	11 000		
46. Toxicity of pesticides to man .....		11 700	
47. Use of health service facilities in medical education .....		11 700	
48. Training and preparation of teachers for medical schools, with special regard to the needs of developing countries .....	11 000		
49. University student health services .....	10 200		
50. Training of medical assistants and similar personnel .....	(see page 47)		12 200
TOTAL - EXPERT COMMITTEES	232 400	261 100	262 000

\* The Committee on International Quarantine, which has special functions defined by the Health Assembly, is included among the expert committees for convenience of presentation.

## 7. OTHER STATUTORY STAFF COSTS

(See pages 58 and 102)

## 8. ADMINISTRATIVE SERVICES: SUMMARY

Regular Budget						
Number of posts			Estimated obligations			
1965	1966	1967	1965	1966	1967	
			US \$	US \$	US \$	
8	8	8	98 550	100 932	103 364	Office of the Director-General
3	3	3	32 400	34 031	34 485	Office of the Assistant Director-General
2	2	2	20 200	20 870	21 710	Administrative Co-ordination
						Administrative Management and Personnel:
2	2	2	23 880	23 711	24 700	Office of the Director
10	10	11	82 900	85 694	95 870	Administrative Management
38	38	40	232 600	247 351	268 041	Personnel
48	48	48	213 800	252 010	266 210	Conference and Office Services
						Budget and Finance:
4	4	4	37 900	38 838	39 645	Office of the Director
13	13	13	92 300	94 461	96 908	Budget
48	48	48	260 600	297 887	312 543	Finance and Accounts
8	8	8	52 800	61 471	64 142	Legal Office
11	11	11	98 640	108 384	110 591	Internal Audit
27	27	27	193 123	214 192	232 976	Public Information
5	5	5	34 500	36 407	37 844	External Relations
9	9	10	78 807	76 110	80 784	Liaison Office with United Nations (New York)
236	236	240	1 553 000	1 692 349	1 789 813	
			667 960	724 650	845 060	Other Statutory Staff Costs
			63 400	72 200	75 500	Other Costs
						Common Services:
59	58	55	183 386	284 198	295 981	Headquarters - Personnel
			476 111	358 788	407 400	- Other
			23 000	23 200	23 200	New York
295	294	295	2 966 857	3 155 385	3 436 954	Total
						Less:
			704 090	768 581	895 612	(a) Other statutory staff costs
				17 537	20 189	(b) Staff turnover
					2 487	(c) Delays in filling new posts
			704 090	786 118	918 288	Total deductions
			2 262 767	2 369 267	2 518 666	Net total
			349 707	456 062	478 116	Add: Staff assessment
295	294	295	2 612 474	2 825 329	2 996 782	Total - ADMINISTRATIVE SERVICES

## 8. ADMINISTRATIVE SERVICES

				Regular Budget				
Number of posts			Estimated obligations					
1965	1966	1967	1965	1966	1967			
			US \$	US \$	US \$			
<b>8.1 OFFICE OF THE DIRECTOR-GENERAL</b>								
(For text, see page 53)								
1	1	1		24 000	24 000	Director-General	UG	
1	1	1		19 500	19 500	Deputy Director-General	UG	
1	1	1		9 155	9 400	Administrative officer	P4	
1	1	1		6 310	6 310	Administrative assistant	P1	
3	3	3		17 559	18 513	Secretaries	G6	
1	1	1		4 608	5 841	Secretary	G4	
<u>8</u>	<u>8</u>	<u>8</u>	<u>78 750</u>	<u>81 132</u>	<u>83 564</u>	Total established posts		
			19 800	19 800	19 800	<u>Travel</u>		
						Duty		
			<u>98 550</u>	<u>100 932</u>	<u>103 364</u>	Total		
<b>8.2 OFFICE OF THE ASSISTANT DIRECTOR-GENERAL</b>								
(For text, see page 53)								
1	1	1		17 900	17 900	Assistant Director-General	UG	
1	1	1		6 574	6 876	Administrative assistant	G7	
1	1	1		4 557	4 709	Secretary	G4	
<u>3</u>	<u>3</u>	<u>3</u>	<u>27 400</u>	<u>29 031</u>	<u>29 485</u>	Total established posts		
			5 000	5 000	5 000	<u>Travel</u>		
						Duty		
			<u>32 400</u>	<u>34 031</u>	<u>34 485</u>	Total		
<b>8.3 ADMINISTRATIVE CO-ORDINATION</b>								
(For text, see page 53)								
1	1	1		13 548	13 950	Chief, Administrative Co-ordination	P6	
1	1	1		5 322	5 760	Administrative assistant	G6	
<u>2</u>	<u>2</u>	<u>2</u>	<u>18 200</u>	<u>18 870</u>	<u>19 710</u>	Total established posts		
			2 000	2 000	2 000	<u>Travel</u>		
						Duty		
			<u>20 200</u>	<u>20 870</u>	<u>21 710</u>	Total		

			Regular Budget					
Number of posts			Estimated obligations					
1965	1966	1967	1965	1966	1967			
			US \$	US \$	US \$			
<b>8.4 ADMINISTRATIVE MANAGEMENT AND PERSONNEL</b>								
8.4.0 OFFICE OF THE DIRECTOR (For text, see page 54)								
1	1	1		15 520	15 520	Director	D2	
1	1	1		6 291	6 580	Secretary	G5	
<u>2</u>	<u>2</u>	<u>2</u>	21 380	21 811	22 100	Total established posts		
						<u>Travel</u>		
			2 500	1 900	2 600	Duty		
			<u>23 880</u>	<u>23 711</u>	<u>24 700</u>	Total		
			=====	=====	=====			
8.4.1 ADMINISTRATIVE MANAGEMENT (For text, see page 54)								
1	1	1		12 216	12 497	Chief management officer	P5	
1	1	1		10 498	10 758	Management officer	P4	
3	3	4		23 834	31 924	Management officers	P3	
2	2	2		14 631	15 043	Management officers	P2	
1	1	1		5 583	6 014	Clerk	G5	
1	1	1		4 735	5 110	Secretary	G4	
1	1	1		3 697	4 024	Clerk-stenographer	G3	
<u>10</u>	<u>10</u>	<u>11</u>	72 400	75 194	85 370	Total established posts		
						<u>Travel</u>		
			10 500	10 500	10 500	Duty		
			<u>82 900</u>	<u>85 694</u>	<u>95 870</u>	Total		
			=====	=====	=====			
8.4.2 PERSONNEL (For text, see page 54)								
1	1	1		13 950	13 950	Chief personnel officer	P6	
1	1	1		13 100	13 100	Associate chief personnel officer	P5	
3	3	3		30 010	30 730	Personnel officers	P4	
3	3	3		26 383	26 503	Personnel officers	P3	
3	3	3		19 978	20 527	Personnel officers	P2	
2	2	2		12 620	12 620	Personnel officers	P1	
2	2	2		13 590	14 475	Administrative assistants	G7	
1	1	1		5 211	6 536	Administrative assistant	G6	
		1			5 261	Clerk	G6	
4	4	4		20 579	22 262	Clerks	G5	
1	1	1		5 153	5 564	Clerk-stenographer	G5	
2	2	2		8 103	8 831	Clerks	G4	
7	7	8		32 089	38 739	Clerk-stenographers	G4	
2	2	2		8 721	9 436	Clerks	G3	
6	6	6		23 864	25 707	Clerk-stenographers	G3	
<u>38</u>	<u>38</u>	<u>40</u>	206 700	233 351	254 541	Total established posts		
			4 000	4 000	4 000	Temporary staff		
			9 600	3 200	3 200	Consultants' fees		
						<u>Travel</u>		
			2 700	3 200	2 700	Duty		
			9 600	3 600	3 600	Consultants		
			<u>232 600</u>	<u>247 351</u>	<u>268 041</u>	Total		
			=====	=====	=====			

ADMINISTRATIVE SERVICES

			Regular Budget				
Number of posts			Estimated obligations				
1965	1966	1967	1965	1966	1967		
			US \$	US \$	US \$		
<u>Administrative Management and Personnel (continued)</u>							
8.4.3 CONFERENCE AND OFFICE SERVICES							
(For text, see page 55)							
1	1	1		13 100	13 100	Chief administrative services officer	P5
1	1	1		9 380	9 603	Administrative services officer	P3
1	1	1		7 880	7 880	Administrative services officer	P2
1	1	1		6 627	6 817	Administrative officer	P2
1	1	1		7 016	7 599	Administrative assistant	G7
1	1	1		4 039	4 402	Secretary	G4
1	1	1		3 719	4 046	Clerk-stenographer	G3
<u>Conference services</u>							
1	1	1		5 702	5 892	Administrative assistant	P1
1	1	1		4 152	4 521	Clerk-stenographer	G4
<u>Communications and records</u>							
1	1	1		9 300	9 530	Administrative services officer	P3
1	1	1		6 310	6 310	Administrative officer	P1
3	3	3		17 069	18 298	Administrative assistants	G6
8	8	8		39 905	43 077	Clerks	G5
11	11	11		51 031	54 226	Clerks	G4
7	7	7		27 742	29 426	Clerks	G3
1	1	1		4 214	4 545	Clerk-stenographer	G3
<u>Administrative supplies</u>							
1	1	1		5 237	5 425	Supply officer	P1
1	1	1		6 460	6 776	Administrative assistant	G6
2	2	2		9 363	9 992	Clerks	G4
2	2	2		8 682	9 437	Clerk-stenographers	G4
1	1	1		4 082	4 408	Clerk-stenographer	G3
48	48	48	212 900	251 010	265 310	Total established posts	
<u>Travel</u>							
			900	1 000	900	Duty	
			213 800	252 010	266 210	T o t a l	
8.5 BUDGET AND FINANCE							
8.5.0 OFFICE OF THE DIRECTOR							
(For text, see page 55)							
1	1	1		15 520	15 520	Director	D2
1	1	1		11 420	11 420	Financial adviser	P4
1	1	1		5 652	6 087	Secretary	G5
1	1	1		4 646	5 018	Secretary	G4
4	4	4	36 300	37 238	38 045	Total established posts	
<u>Travel</u>							
			1 600	1 600	1 600	Duty	
			37 900	38 838	39 645	T o t a l	



Regular Budget						
Number of posts			Estimated obligations			
1965	1966	1967	1965	1966	1967	
			US \$	US \$	US \$	
<u>Budget and Finance (continued)</u>						
8.5.1 BUDGET						
(For text, see page 55)						
1	1	1	13 100		13 100	Chief budget officer P5
1	1	1	10 975		11 232	Assistant chief P4
2	2	2	16 390		16 816	Budget officers P3
3	3	3	20 500		20 500	Budget officers P2
2	2	2	11 055		11 325	Budget officers P1
1	1	1	5 054		5 479	Clerk G5
1	1	1	4 596		4 965	Secretary G4
1	1	1	4 621		4 992	Clerk-stenographer G4
1	1	1	4 170		4 499	Clerk-stenographer G3
<u>13</u>	<u>13</u>	<u>13</u>	<u>88 300</u>	<u>90 461</u>	<u>92 908</u>	Total established posts
			3 100	3 100	3 100	Temporary staff
			900	900	900	<u>Travel</u>
			92 300	94 461	96 908	Duty
			=====	=====	=====	T o t a l
8.5.2 FINANCE AND ACCOUNTS						
(For text, see page 55)						
1	1	1	13 950		13 950	Chief finance officer P6
1	1	1	10 737		10 997	Assistant chief P4
1	1	1	11 337		11 420	Insurance and pension officer P4
3	3	3	26 650		27 323	Accountants P3
1	1	1	8 755		8 971	Disbursing officer P3
5	5	5	32 961		33 706	Accountants P2
4	4	4	22 425		22 983	Accountants P1
2	2	2	12 408		12 590	Administrative services officers P1
2	2	2	13 727		15 296	Administrative assistants G7
1	1	1	6 344		6 876	Clerk G7
4	4	4	24 255		25 815	Accounts clerks G6
2	2	2	11 782		12 536	Clerks G6
6	6	6	31 299		33 510	Clerks G5
<u>1</u>	<u>1</u>	<u>1</u>	<u>5 144</u>		<u>5 663</u>	Clerk* <u>G5</u>
1	1	1	5 304		5 741	Clerk-stenographer G5
6	6	6	26 042		28 261	Clerks G4
1	1	1	5 818		6 086	Secretary G4
2	2	2	10 893		11 644	Clerk-stenographers G4
5	5	5	20 200		21 838	Clerk-stenographers G3
<u>48</u>	<u>48</u>	<u>48</u>	<u>257 600</u>	<u>294 887</u>	<u>309 543</u>	Total established posts
			3 000	3 000	3 000	<u>Travel</u>
			260 600	297 887	312 543	Duty
			=====	=====	=====	T o t a l

\* Financed from the Special Account for Servicing Costs (see Notes on Presentation, para. 1.2).

## ADMINISTRATIVE SERVICES

			Regular Budget					
Number of posts			Estimated obligations					
1965	1966	1967	1965	1966	1967			
			US \$	US \$	US \$			
<b>8.6 LEGAL OFFICE</b>								
(For text, see page 56)								
1	1	1		12 290	12 710	Chief legal officer		P6
2	2	2		19 510	20 000	Legal officers		P4
1	1	1		7 565	7 775	Legal officer		P3
1	1	1		6 310	6 310	Administrative officer		P1
1	1	1		4 543	5 350	Secretary		G5
1	1	1		4 696	5 071	Secretary		G4
1	1	1		4 557	4 926	Clerk-stenographer		G4
<u>8</u>	<u>8</u>	<u>8</u>	50 900	59 471	62 142	Total established posts		
			800	800	800	Consultants' fees		
						<u>Travel</u>		
			300	300	300	Duty		
			800	900	900	Consultants		
			<u>52 800</u>	<u>61 471</u>	<u>64 142</u>	Total		
			=====	=====	=====			
<b>8.7 INTERNAL AUDIT</b>								
(For text, see page 56)								
1	1	1		12 713	13 003	Chief auditor		P5
3	3	3		30 893	31 382	Auditors		P4
3	3	3		24 142	24 810	Auditors		P3
2	2	2		14 426	14 633	Auditors		P2
1	1	1		5 766	5 956	Auditor		P1
1	1	1		4 444	4 807	Clerk-stenographer		G4
<u>11</u>	<u>11</u>	<u>11</u>	82 640	92 384	94 591	Total established posts		
						<u>Travel</u>		
			16 000	16 000	16 000	Duty		
			<u>98 640</u>	<u>108 384</u>	<u>110 591</u>	Total		
			=====	=====	=====			

Regular Budget						
Number of posts			Estimated obligations			
1965	1966	1967	1965	1966	1967	
			US \$	US \$	US \$	
<b>8.8 PUBLIC INFORMATION</b>						
(For text, see page 56)						
1	1	1	15 520	15 520	15 520	Director D2
1	1	1	10 780	11 040	11 040	Information officer P5
2	2	2	19 774	20 282	20 282	Information officers P4
1	1	1	9 073	9 320	9 320	Information officer* P4
5	5	5	43 801	44 431	44 431	Information officers P3
1	1	1	8 090	8 300	8 300	Photo editor P3
1	1	1	5 348	5 530	5 530	Assistant photo editor P1
1	1	1	6 310	6 310	6 310	Technical officer* P1
1	1	1	6 310	6 310	6 310	Administrative officer P1
1	1	1	6 730	7 298	7 298	Administrative assistant G7
1	1	1	6 647	6 953	6 953	Technical assistant G6
1	1	1	7 322	7 579	7 579	Administrative assistant* NY5
1	1	1	5 873	6 162	6 162	Photo technician G5
1	1	1	5 873	6 162	6 162	Secretary G5
1	1	1	4 943	5 175	5 175	Clerk G5
1	1	1	5 694	6 131	6 131	Clerk-stenographer G5
3	3	3	14 644	15 951	15 951	Secretaries G4
1	1	1	5 400	5 668	5 668	Clerk-stenographer G4
1	1	1	3 938	4 276	4 276	Clerk G3
1	1	1	4 322	4 678	4 678	Assistant laboratory technician G3
<u>27</u>	<u>27</u>	<u>27</u>	<u>175 723</u>	<u>196 392</u>	<u>203 076</u>	Total established posts
					4 000	Temporary staff
			3 200	3 200	5 600	Consultants' fees
						<u>Travel</u>
			11 000	11 000	14 000	Duty
			<u>3 200</u>	<u>3 600</u>	<u>6 300</u>	Consultants
			<u>193 123</u>	<u>214 192</u>	<u>232 976</u>	Total
<b>8.9 EXTERNAL RELATIONS</b>						
(For text, see page 57)						
1	1	1	12 979	13 100	13 100	Chief external relations officer P5
1	1	1	6 310	6 310	6 310	External relations officer P1
1	1	1	5 601	6 118	6 118	Administrative assistant G7
1	1	1	5 109	5 538	5 538	Clerk G5
1	1	1	4 608	4 978	4 978	Secretary G4
<u>5</u>	<u>5</u>	<u>5</u>	<u>32 700</u>	<u>34 607</u>	<u>36 044</u>	Total established posts
						<u>Travel</u>
			1 800	1 800	1 800	Duty
			<u>34 500</u>	<u>36 407</u>	<u>37 844</u>	Total

\* In the Liaison Office with the United Nations (New York).

## ADMINISTRATIVE SERVICES

Regular Budget									
Number of posts			Estimated obligations						
1965	1966	1967	1965	1966	1967				
			US \$	US \$	US \$				
<b>8.10 LIAISON OFFICE WITH UNITED NATIONS (NEW YORK)</b>									
(For text, see page 57)									
1	1	1	15 520		15 520	Director			D2
1	1	1	11 316		11 560	Medical liaison officer			P5
1	1	1	9 200		9 438	Liaison officer			P3
1	1	1	6 611		6 801	Administrative officer			P2
1	1	1	6 205		6 389	Public information officer			P2
1	1	1	7 922		7 922	Administrative assistant			NY5
1	1	1	7 411		7 663	Secretary			NY5
1	1	1	5 816		6 022	Secretary			NY4
1	1	1	4 309		4 437	Receptionist-typist			NY3
		1			3 232	Clerk			NY1
<u>9</u>	<u>9</u>	<u>10</u>	<u>73 507</u>	<u>74 310</u>	<u>78 984</u>	Total established posts			
			2 500			Temporary staff			
			2 800	1 800	1 800	<u>Travel</u>			
			<u>78 807</u>	<u>76 110</u>	<u>80 784</u>	Duty			
			=====	=====	=====	Total			
<b>8.11 OTHER STATUTORY STAFF COSTS</b>									
			667 960	724 650	845 060	Other statutory staff costs			
			<u>667 960</u>	<u>724 650</u>	<u>845 060</u>	Total			
			=====	=====	=====				
<b>8.12 OTHER COSTS</b>									
			62 900	71 700	75 000	Public information supplies and material (see page 57)			
			500	500	500	Professional publications			
			<u>63 400</u>	<u>72 200</u>	<u>75 500</u>	Total			
			=====	=====	=====				

Regular Budget					
Number of posts			Estimated obligations		
1965	1966	1967	1965	1966	1967
			US \$	US \$	US \$
<b>COMMON SERVICES</b>					
<b>HEADQUARTERS</b>					
(For text, see page 58)					
<u>Building Management</u>					
1	1	1	10 217	10 477	Operation and maintenance officer P4
1	1	1	6 848	7 194	General services officer P2
1	1	1	6 878	7 194	Administrative assistant G6
2	2	2	8 445	9 170	Clerks G4
<u>Telephone Exchange</u>					
1	1	1	5 337	5 602	Telephonist G3
2	2	2	6 650	7 214	Assistant telephonists G2
<u>General Maintenance</u>					
1	1	1	6 175	6 357	General services officer P2
1	1	1	5 655	6 156	Administrative officer G7
1	1	1	3 576	3 748	Clerk-typist G3
1	1	1	4 658	5 085	Chief cleaner G6
2	2	2	7 852	8 568	Senior cleaners G4
5	5	5	16 625	18 035	Cleaners G2
1	1	1	4 673	5 085	Supervisor, internal maintenance G6
1	1	1	3 576	3 898	Locksmith G3
2	2	2	7 152	7 796	Joiners G3
2	2	2	6 650	7 214	Linenkeepers G2
3	3	3	9 291	9 717	Workmen G1
1	1	1	4 673	5 085	Supervisor, external maintenance G6
1	1	1	3 576	3 898	Road- and path-mender G3
1	1	1	3 576	3 898	Painter G3
1	1	1	3 325	3 607	Mason G2
3	3	3	9 291	9 717	Gardeners G1
<u>Ushers, Messengers, Guards and Drivers</u>					
1	1	1	5 655	6 156	Administrative officer G7
1	1	1	4 859	5 102	Clerk-typist G3
1	1	1	4 673	5 085	Chief usher G6
6	6	6	21 456	23 388	Ushers G3
4	4	4	12 388	12 956	Guards G1
1	1	1	5 873	6 162	Chief messenger G5
1	1	1	3 785	4 115	Messenger G3
12	12	12	42 120	45 608	Messengers G2
1	1	1	5 223	5 641	Driver G4
4	4	4	17 375	18 665	Drivers G3
<u>Internal Removals</u>					
1	1	1	4 673	5 085	Foreman G6
2	2	2	6 650	7 214	Fitters G2
4	4	4	12 388	12 956	Handymen G1

## COMMON SERVICES

			Regular Budget					
Number of posts			Estimated obligations					
1965	1966	1967	1965	1966	1967			
			US \$	US \$	US \$			
<u>Common Services</u> (continued)								
<u>Headquarters</u> (continued)								
<u>Technical Maintenance</u>								
1	1	1		6 220	6 405	Technical engineer		P2
1	1	1		3 785	3 978	Clerk-typist		G3
1	1	1		5 579	6 075	Supervisor (air-conditioning)		G7
1	1	1		5 579	6 075	Supervisor (water, electricity and machines)		G7
1	1	1		5 560	6 055	General services assistant		G7
1	1	1		5 873	6 162	Electrotechnician		G5
3	3	3		11 778	12 852	Mechanics (air-conditioning)		G4
3	3	3		11 778	12 852	Electricians		G4
3	3	3		11 778	12 852	Maintenance mechanics		G4
1	1	1		3 796	4 127	Clerk		G3
3	3	3		10 728	11 694	Mechanics (heating)		G3
3	3	3		10 728	11 694	Electricians (maintenance)		G3
1	1	1		3 325	3 607	Plumber		G2
<u>Stores</u>								
1	1	1		5 384	5 825	Administrative assistant		G6
1	1	1		4 249	4 637	Assistant supervisor		G5
1	1	1		5 400	5 668	Storekeeper		G4
4	4	4		14 498	15 616	Storekeepers		G2
<u>Inventory Control and Records</u>								
1	1	1		4 290	4 681	Clerk		G5
1	1	1		3 653	3 978	Clerk		G3
<u>Documents Production</u>								
1	1	1		7 565	7 775	Documents production officer		P3
1	1	1		4 027	4 212	Clerk-stenographer		G3
<u>Duplicating and Binding</u>								
1	1	1		5 655	6 156	Supervisor		G7
1	1	1		4 290	4 681	Clerk		G5
1	1	1		4 290	4 681	Photographer		G5
1	1	1		4 290	4 681	Offset printer		G5
1	1	1		3 963	4 324	Assistant offset printer		G4
1	1	1		5 400	5 668	Assistant photographer		G4
2	2	2		7 218	7 864	Senior stencil-machine operators		G3
2	2	2		7 218	7 864	Senior assembling-machine operators		G3
2	2	2		6 912	7 488	Stencil-machine operators		G2
1	1	1		3 456	3 744	Paper-cutter operator		G2
2	2	2		6 912	7 488	Assembling-machine operators		G2
<u>Distribution of Publications and Documents</u>								
1	1	1		4 707	5 133	Supervisor		G6
1	1	1		3 609	3 932	Clerk		G3
2	2	2		7 218	7 864	Addressing-machine operators		G3
3	3	3		10 827	11 796	Clerks		G3
3	3	3		10 368	11 232	Clerks		G2
<u>Stenographic Pool</u>								
2	2	2		14 912	15 856	Administrative assistants		G7
2	2	2		10 972	11 825	Clerk-stenographers		G5
7	7	7		36 747	38 992	Clerk-stenographers		G4
48	48	51		200 537	231 594	Clerk-stenographers		G3
192	192	195	471 020	796 891	872 531	Total established posts		
			116 550	146 445	180 544	Other statutory staff costs		
			4 000	4 000	4 000	Temporary staff		
			591 570	947 336	1 057 075	Total		
			=====	=====	=====			

## COMMON SERVICES

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			Regular Budget					
Number of posts			Estimated obligations					
1965	1966	1967	1965	1966	1967			
			US \$	US \$	US \$			
<u>Common Services (continued)</u>								
<u>Headquarters (continued)</u>								
						<u>Other Costs</u>		
						<u>Space and Equipment Services</u>		
445 100						Rental and maintenance of premises		
90 650						Rental and maintenance of equipment		
268 125						<u>Other Services</u>		
15 000						Communications		
276 165						Hospitality		
62 000						Other contractual services		
						Freight and transportation costs		
						<u>Supplies and Equipment</u>		
2 100						Printing		
116 750						Supplies		
						<u>Fixed Charges and Claims</u>		
19 950						Insurance		
						<u>Acquisition of Capital Assets</u>		
240 000						Equipment		
1 535 840						Total - Other Costs		
2 127 410						TOTAL - COMMON SERVICES		
192	192	195	2 127 410	2 143 296	2 512 075			
---	---	---	-----	-----	-----			
ALLOCATIONS								
1 387 493						Programme activities		
59 58 55						Administrative services		
623 367						599 055		
						652 829		
						<u>Other Statutory Staff Costs</u>		
80 420						Programme activities		
36 130						Administrative services		
102 514						129 992		
43 931						50 552		
2 127 410						2 512 075		
192	192	195	2 127 410	2 143 296	2 512 075	T o t a l		
---	---	---	-----	-----	-----			
LIAISON OFFICE WITH UNITED NATIONS								
10 330						Space and equipment services		
9 570						Other services		
2 600						Supplies and materials		
500						Acquisition of capital assets		
23 000						23 200		
23 000						23 200		
						T o t a l		

9. OTHER STATUTORY STAFF COSTS<sup>1</sup>

(For text, see page 58)

Regular Budget				Technical Assistance						Other Extra-budgetary Funds			
Number of posts		Estimated obligations			Number of posts		Estimated obligations			Source of funds	Estimated obligations		
1965	1966	1967	1965	1966	1967	1965	1966	1967		1965	1966	1967	
US \$			US \$			US \$				US \$			
<u>SUMMARY</u>													
<u>Operating Programme</u>													
Programme Activities:													
Headquarters			1 781 954			2 097 418			2 610 340				
Field			4 837 993			5 641 281			5 977 084				
Regional Offices			1 030 376			1 190 433			1 248 388				
			7 650 323			8 929 132			9 835 812				
						47 085			43 178				
						146 333			170 342				
			7 650 323			8 829 884			9 708 648				
Total													
Add: Staff turnover													
Less: Delays in filling new posts													
Net total													
-----													
<u>Administrative Services</u>													
Add: Staff turnover													
Less: Delays in filling new posts													
Net total													
-----													
<u>DETAILS</u>													
APPROPRIATION SECTION 7													
<u>Programme Activities</u>													
Headquarters:													
Terminal payments			144 027			201 981			266 034				
Pension fund			598 138			684 780			775 498				
Staff insurance			47 793			57 710			66 508				
Representation allowances			10 400			10 400			10 400				
Other allowances			802 968			994 407			1 229 115				
Travel on initial recruitment and repatriation			32 426			6 500			37 816				
Travel on home leave			86 906			128 240			156 405				
Transportation of personal effects			31 312			7 000			36 232				
Installation per diem			27 984			6 400			32 332				
			1 781 954			2 097 418			2 610 340				
Total - Headquarters													

<sup>1</sup> Sections 7 and 9 of the Appropriation Resolution.



OTHER STATUTORY STAFF COSTS

Regular Budget					Technical Assistance				Source of funds	Other Extra-budgetary Funds		
Number of posts			Estimated obligations		Number of posts			Estimated obligations		Estimated obligations		
1965	1966	1967			1965	1966	1967			1965	1966	1967
US \$	US \$	US \$		US \$	US \$	US \$		US \$	US \$	US \$		
<u>Programme Activities (continued)</u>												
<u>Field:</u>												
	135 698	385 873	460 934	Terminal payments	50 845	306 809	379 685					
	927 718	1 094 541	1 140 669	Pension fund	888 346	948 791	1 027 827					
	97 483	112 434	118 384	Staff insurance	91 830	97 216	104 157					
	2 481 894	3 214 631	3 346 853	Other allowances	2 410 066	2 712 417	2 882 845					
	423 966	140 700	147 720	Travel on initial recruitment and repatriation	342 468	102 803	140 410					
	501 074	590 027	667 369	Travel on home leave	379 492	677 203	280 195					
	9 700	5 200	1 600	Transportation of personal effects	17 550	12 625	212 670					
	233 535	72 000	67 430	Installation per diem	195 248	33 985	50 668					
	26 925	25 875	26 125	Reimbursement of income tax								
	4 837 993	5 641 281	5 977 084	Total - Field	4 375 845	4 891 849	5 078 457					
	6 619 947	7 738 699	8 587 423	Total - Programme Activities	4 375 845	4 891 849	5 078 457					
<u>Regional Offices</u>												
	15 596	103 520	123 650	Terminal payments		58 181	68 234					
	336 433	359 381	375 826	Pension fund	212 409	224 725	233 076					
	27 538	29 975	31 249	Staff insurance	15 495	16 727	17 246					
	15 383	15 600	15 600	Representation allowances								
	442 977	510 828	532 793	Other allowances	216 604	232 688	230 644					
	30 259	3 200	900	Travel on initial recruitment and repatriation	3 874							
	81 956	100 665	101 766	Travel on home leave	32 926	27 636	32 212					
	1 550			Transportation of personal effects								
	17 601	3 100	700	Installation per diem	3 228							
	61 083	64 164	65 904	Reimbursement of income tax	164 607	170 907	173 209					
	1 030 376	1 190 433	1 248 388	Total - Regional Offices	649 143	730 864	754 621					
	7 650 323	8 929 132	9 835 812	Total - APPROPRIATION SECTION 7	5 024 988	5 622 713	5 833 078					
<u>APPROPRIATION SECTION 9</u>												
<u>Administrative Services</u>												
	55 801	79 989	95 872	Terminal payments								
	247 357	284 350	313 282	Pension fund								
	19 334	22 851	23 975	Staff insurance								
	15 600	15 600	15 600	Representation allowances								
	268 247	318 212	360 406	Other allowances								
	10 704	2 000	3 184	Travel on initial recruitment and repatriation								
	49 954	32 350	66 835	Travel on home leave								
	12 088		1 368	Transportation of personal effects								
	12 651		1 268	Installation per diem								
	12 354	13 229	13 822	Reimbursement of income tax								
	704 090	768 581	895 612	Total - APPROPRIATION SECTION 9								

## OTHER STATUTORY STAFF COSTS

RECAPITULATION			
	Estimated obligations		
	1965	1966	1967
	US \$	US \$	US \$
Regular budget .....	8 354 413	9 606 533	10 608 662
Technical Assistance:			
Expanded Programme of Technical Assistance .....	2 078 260	2 328 536	2 473 546
United Nations Special Fund .....	56 488	55 736	46 528
Funds-in-trust .....	605 790	690 301	578 835
Pan American Health Organization:			
Regular funds .....	1 360 763	1 576 946	1 820 482
Special Malaria Fund .....	432 110	423 409	401 920
Community Water Supply Fund .....	89 511	83 271	45 815
Other funds .....	402 066	464 514	465 952
TOTAL	13 379 401	15 229 246	16 441 740

**Annex 2**

**REGIONAL ACTIVITIES:  
SUMMARIES AND DETAILS**



## AFRICA

### REGIONAL OFFICE

(See page 272)

*Personnel*: as for 1966 (see page 272). The provision for temporary staff shows an increase of \$18 000 over the level for 1966.

*Duty travel*: to discuss the development and operation of health programmes; and to visit headquarters for the discussion of policy questions and other matters relating to work in the Region. The provision shows an increase over 1966 of \$4500.

*Other costs*: provision for public information supplies and materials increased by \$2000 over 1966.

*Common services*: estimates increased by approximately \$126 000 over 1966. Most of the increase is required to cover the acquisition of additional furniture and equipment for the new offices and the replacement of buses.

### REGIONAL ADVISERS

(See page 276)

*Personnel*: twenty-nine professional and thirty general service posts as in 1966 (see page 276). *Proposed in addition for 1967* — one further post of adviser in vital and health statistics, and an additional post of secretary. The provision for temporary staff is the same as for 1966.

*Duty travel*: to visit various countries in the Region in order to advise on the planning, implementation and evaluation of field projects. The provision is the same as for 1966.

*Common services*: estimates increased by approximately \$80 000 over 1966, to provide mainly for the additional furniture and equipment required for the new offices and for the replacement of buses.

### WHO REPRESENTATIVES

(See page 277)

*Personnel*: as for 1966 (see page 277). WHO representatives are stationed in Cameroon, Central African Republic, Ghana, Ivory Coast, Kenya, Liberia, Madagascar, Niger, Nigeria, Senegal, Togo, Uganda, United Republic of Tanzania, Upper Volta and Zambia.

*Duty travel*: to report on projects in operation and advise national health administrations in the planning and development of programmes; and to visit the Regional Office for consultations. The provision is the same as for 1966.

*Common services*: estimates increased by \$2200 over 1966.

### BASUTOLAND

(See page 278)

#### 1. Tuberculosis

##### *Tuberculosis Control (EPTA-I)*

Basutoland 2

To expand the pilot area project, under which integrated, standardized and simplified tuberculosis control measures have been tested, into a national tuberculosis control programme. The project is expected to continue through 1968. *Provision*: a medical officer and a statistician (both continued), \$31 184; supplies and equipment, \$4300.

#### 2. Nursing

##### *Nursing Education (EPTA-I)*

Basutoland 11

To develop the training of nurses at the basic school of nursing and midwifery. WHO assistance will probably be required until the end of 1970. *Provision*: a nurse educator and a midwifery educator, \$24 374; fellowships, \$4000; supplies and equipment, \$200.

### 3. Education and Training

#### Fellowships

For the professional training of health personnel. *Provision:* fellowships in various fields, \$8000.

Basutoland 200

## BECHUANALAND

(See page 278)

### 1. Parasitic Diseases

#### Trypanosomiasis Control (EPTA-I)

Bechuanaland 2

To continue assistance to the trypanosomiasis survey and control project begun in 1955. It is expected that WHO assistance will continue until 1969. *Provision:* an epidemiologist and an entomologist (both continued), \$28 744; supplies and equipment, \$1000.

### 2. Maternal and Child Health

#### Midwifery Education (EPTA-I)

Bechuanaland 13

To train midwifery personnel. Assistance will probably be required until the end of 1970. *Provision:* a midwifery educator (continued), \$12 636; supplies and equipment, \$100.

### 3. Education and Training

#### Fellowships

For the professional training of health personnel. *Provision:* fellowships in various fields, \$8000.

Bechuanaland 200

## BURUNDI

(See page 279)

### 1. Public Health Administration

#### Public Health Advisory Team (EPTA-I)

Burundi 2

To advise on planning national health services and on running them economically without prejudice to their efficiency; and to help in training professional and auxiliary personnel in accordance with government needs. Assistance is expected to continue through 1968. *Provision:* a public health adviser, a sanitary engineer and a public health nurse (all continued), \$45 689; supplies and equipment, \$1200.

### 2. Maternal and Child Health

#### Advisory Services

Burundi 3

To assist in training health staff, with a view to the expansion of the rural health services. These provide comprehensive curative, preventive and promotive services, with special emphasis on the improvement of the health and nutrition of mothers and children. The project is expected to continue until the end of 1967. *Provision:* a medical officer, a non-medical nutritionist and a public health nurse (all continued), \$41 192; supplies and equipment, \$100.

### 3. Environmental Health

#### Environmental Sanitation and Training (EPTA-I)

Burundi 5

To train sanitation personnel, and to establish a demonstration area. Assistance is expected to continue through 1968. *Provision:* a health inspector tutor and a secretary (both continued), \$17 912; supplies and equipment, \$3200.

### 4. Education and Training

#### Fellowships (EPTA-I)

For the professional training of health personnel. *Provision:* a fellowship, \$4000.

Burundi 201

## CAMEROON

(See page 279)

### 1. Malaria

#### Pre-eradication Programme (Regular and EPTA-I)

Cameroon 2

To assist in developing a network of basic health services to support a malaria eradication programme for the whole of Cameroon; in training personnel to form a national malaria service; in carrying out a general survey of malaria epidemiology; and in developing facilities for improving the diagnosis of malaria and increasing the availability of antimalarial drugs. The project started in 1962. *Provision:* under the regular budget—a public health adviser, a sanitarian and a laboratory technician (all continued), \$50 619; supplies and equipment, \$1000; under the Expanded Programme—a malariologist and an entomologist (both continued), \$31 194; supplies and equipment, \$3000.

**2. Public Health Administration***Health Services (EPTA-I)*

Cameroon 10

To develop community health services. Assistance is expected to continue through 1967. *Provision:* two medical officers (both continued), \$30 740; supplies and equipment, \$200.

**3. Nursing***Advisory Services (EPTA-I)*

Cameroon 16

To develop programmes for the training of midwifery and nursing personnel, and to strengthen midwifery and nursing services. Assistance will probably be needed through 1968. *Provision:* two nurse educators (both continued), \$29 450; supplies and equipment, \$500.

**4. Environmental Health***Environmental Sanitation (EPTA-I)*

Cameroon 23

To assist in setting up a sanitary engineering unit, in formulating a sanitation programme, and in training personnel. The project is expected to continue through 1968. *Provision:* a sanitary engineer (continued), \$15 234; fellowships, \$20 000; supplies and equipment, \$1000.

**5. Education and Training***(a) Medical School, Yaoundé*

Cameroon 19

To advise on setting up a medical school and a teaching centre at Yaoundé. *Provision:* an adviser on medical education, \$16 688; supplies and equipment, \$100.

*(b) Fellowships (Regular and EPTA-I)*

Cameroon 200 and 201

For the professional training of health personnel. *Provision:* fellowships in various fields—under the regular budget, \$24 000; under the Expanded Programme, \$20 000.

**CENTRAL AFRICAN REPUBLIC***(See page 280)***1. Tuberculosis***Tuberculosis Control*

Central African Republic 13

To assist in building up a national tuberculosis programme integrated into the general health services. The project is expected to continue through 1970. *Provision:* a medical officer and a public health nurse, \$29 963; supplies and equipment, \$5000.

**2. Public Health Administration***Advisory Services*

Central African Republic 15

To assist the Ministry of Health in the planning and operation of national health services; and to advise on training programmes for professional and auxiliary personnel. Assistance is expected to continue through 1970. *Provision:* a public health adviser (continued), \$16 320; supplies and equipment, \$100.

**3. Nursing***Nursing Education (EPTA-I)*

Central African Republic 10

To help in developing the programme for basic nursing education at the School of Nursing. The project is expected to continue through 1970. *Provision:* two nurse educators (one continued), \$29 673; supplies and equipment, \$400.

**4. Environmental Health***Environmental Sanitation (EPTA-I)*

Central African Republic 7

To assist in training sanitation personnel, planning and developing a long-term sanitation programme, and establishing a sanitation unit in the Ministry of Health. Assistance is expected to continue through 1968. *Provision:* a sanitary engineer (continued), \$20 724; fellowships, \$8000; supplies and equipment, \$200.

**5. Education and Training***Fellowships (EPTA-I)*

Central African Republic 201

For the professional training of health personnel. *Provision:* fellowships in various fields, \$24 000.

**CHAD***(See page 281)***1. Public Health Administration***Advisory Services*

Chad 21

To advise and assist the Ministry of Health in the development and organization of health services and training programmes for professional and auxiliary health personnel. The project is expected to continue through 1970. *Provision:* a public health adviser (continued), \$15 942; supplies and equipment, \$100.

**2. Nursing***Nursing Education*

Chad 14

To assist in the development of the School of Nursing and in planning for raising the standard of training to the state diploma level. Assistance is expected to continue until 1970. *Provision:* two nurse educators (both continued), \$25 856; supplies and equipment, \$100.

**3. Maternal and Child Health***Maternal and Child Health (EPTA-I)*

Chad 3

To train health personnel, with a view to the expansion of maternal and child health services and the organization and staffing of maternal and child health centres, primarily in rural areas. The project is expected to continue through 1968. *Provision:* a medical officer and a public health nurse (both continued), \$30 425; supplies and equipment, \$500.

**4. Environmental Health***Environmental Sanitation (EPTA-I)*

Chad 10

To train sanitation personnel; and to assist in carrying out a nation-wide sanitation programme and in establishing a sanitation unit in the Ministry of Health. Assistance is expected to continue through 1968. *Provision:* a sanitary engineer (continued), \$20 042; supplies and equipment, \$200.

**5. Education and Training***Fellowships ((EPTA-I)*

Chad 201

For the professional training of health personnel. *Provision:* fellowships in various fields, \$6000.

**COMORO ARCHIPELAGO***(See page 281)***1. Malaria***Pre-eradication Programme*

Comoro 7

A project similar to Cameroon 2 above. *Provision:* a malariologist, a laboratory technician and a sanitarian, \$38 564; supplies and equipment, \$1000.

**2. Education and Training***Fellowships*

Comoro 200

For the professional training of health personnel. *Provision:* fellowships in various fields, \$8000.

**CONGO (BRAZZAVILLE)***(See page 282)***1. Malaria***Pre-eradication Programme*

Congo (Brazzaville) 15

A project similar to Cameroon 2 above. *Provision:* a malariologist and a laboratory technician (both continued), \$30 046; supplies and equipment, \$1000.

**2. Public Health Administration***(a) Rural Health Services (EPTA-I)*

Congo (Brazzaville) 18

To assist in organizing health services, with emphasis on maternal and child health, tuberculosis, environmental health, health education and nutrition. The project is expected to continue through 1968. *Provision:* a public health adviser and two public health nurses (all continued), \$42 924; supplies and equipment, \$2000.

*(b) Training of Laboratory Technicians, Brazzaville*

Congo (Brazzaville) 21

To organize, in collaboration with the Pasteur Institute, a course for laboratory technicians which nationals of other French-speaking countries in equatorial Africa can attend. Assistance is expected to continue through 1970. *Provision:* a laboratory technician, \$12 179; supplies and equipment, \$100.

**3. Education and Training***Fellowships (Regular and EPTA-I)*

Congo (Brazzaville) 200 and 201

For the professional training of health personnel. *Provision:* fellowships in various fields—under the regular budget, \$8000; under the Expanded Programme, \$4000.



## DEMOCRATIC REPUBLIC OF THE CONGO

(See page 282)

## 1. Malaria

*Advisory Services*

Congo (Democratic Republic of) 5

To provide advisory assistance to the Government in collecting information on the epidemiological and entomological situation as a basis for the eventual pre-eradication programme. *Provision:* a malaria adviser, a sanitary engineer, an entomologist and a clerk (all continued), \$66 246.

## 2. Public Health Administration

(a) *Advisory Services (Regular and EPTA-I)*

Congo (Democratic Republic of) 1

To advise and assist the Government in the organization and maintenance of the health services of the country. *Provision:* under the regular budget—a chief public health adviser, two public health advisers, two sanitary engineers, a maternal and child health adviser, an epidemiologist, a public health nurse, a personnel officer, an administrative officer and three general service staff (all continued), \$238 047; supplies and equipment, \$10 000; under the Expanded Programme—an assistant chief public health adviser, four public health advisers, a hospital administrator and two sanitary engineers assigned to provincial health authorities (all continued), \$160 399.

(b) *Operational Services (Funds-in-trust)*

Congo (Democratic Republic of) 6

To assist the central and provincial health authorities in operating the health services of the country. Assistance is given in public health and in medical, surgical and other types of care to public health departments and to hospitals and clinics respectively. *Provision:* subject to reimbursement by the United Nations—95 medical and paramedical personnel, \$1 392 420.

## 3. Education and Training

*Training of Auxiliary Personnel*

Congo (Democratic Republic of) 7

To assist the Government in the training of auxiliary personnel. *Provision:* a sanitary engineer, two nurse training officers and two secretaries (all continued), \$70 117.

## DAHOMEY

(See page 283)

## 1. Malaria

*Pre-eradication Programme*

Dahomey 1

A project similar to Cameroon 2 above, which started in 1964. *Provision:* a malariologist, a public health adviser and a laboratory technician (all continued), \$46 549; supplies and equipment, \$1000.

## 2. Vital and Health Statistics

*Statistical Services*

Dahomey 13

To advise on the organization and development of statistical services in the Ministry of Health. *Provision:* a consultant for two months, \$3400.

## 3. Nursing

*Fellowships*

Dahomey 200

To assist the development of midwifery and nursing services. *Provision:* three twelve-month fellowships, \$12 000.

## 4. Environmental Health

*Environmental Sanitation (EPTA-I)*

Dahomey 7

To assist in the organization of sanitation services. The project, which began in 1961, is planned to continue through 1967. *Provision:* a sanitary engineer (continued), \$23 609; fellowships, \$4000; supplies and equipment, \$100.

## 5. Education and Training

*Fellowships*

Dahomey 200

For the professional training of health personnel. *Provision:* fellowships in various fields, \$16 000.

## GABON

(See page 283)

## 1. Malaria

*Pre-eradication Programme*

Gabon 14

A project similar to Cameroon 2, above. *Provision:* a public health adviser (continued), a malariologist and a laboratory technician, \$44 217; supplies and equipment, \$1000.

**2. Public Health Administration***National Health Laboratory (EPTA-I)*

Gabon 8

To help in setting up a national health laboratory, and in training auxiliary personnel. Assistance is expected to continue through 1968. *Provision:* a laboratory technician (continued), \$10 935; fellowships, \$8000; supplies and equipment, \$1000.

**3. Nursing***Nursing Education*

Gabon 16

To develop basic programmes for the training of nurses and midwives. Assistance will be required until 1968. *Provision:* two nurse educators (both continued), \$32 418; supplies and equipment, \$100.

**4. Maternal and Child Health***Maternal and Child Health Services*

Gabon 3

To expand maternal and child health services within the framework of an overall five-year health plan; and to assist in training staff, with a view to establishing rural health services at the regional and district levels. The project is expected to continue through 1970. *Provision:* a medical officer and a public health nurse (both continued), \$30 584; supplies and equipment, \$100.

**5. Environmental Health***Environmental Sanitation Programme*

Gabon 6

To assist in setting up a sanitation unit in the Ministry of Health, train sanitation personnel, and develop a long-term sanitation programme. Assistance is expected to continue through 1968. *Provision:* a sanitary engineer (continued), \$21 579; supplies and equipment, \$100.

**6. Education and Training***Fellowships*

Gabon 200

For the professional training of health personnel. *Provision:* a fellowship, \$4000.

**GAMBIA***(See page 284)***1. Nursing***Nursing Education (EPTA-I)*

Gambia 3

To develop programmes for training professional and auxiliary midwives and nurses. Assistance is planned to continue through 1967. *Provision:* a nurse educator and a midwifery educator (both continued), \$21 967; fellowships, \$2500; supplies and equipment, \$300.

**2. Education and Training***Fellowships*

Gambia 200

For the professional training of health personnel. *Provision:* a fellowship, \$4000.

**GHANA***(See page 285)***1. Malaria***Pre-eradication Programme (Regular and EPTA-I)*

Ghana 1

A project similar to Cameroon 2 above, which started in 1962. *Provision:* under the regular budget—an entomologist and a sanitarian (both continued), \$34 464; supplies and equipment, \$30 000; under the Expanded Programme—a malariologist and a laboratory technician (both continued), \$33 836; supplies and equipment, \$200.

**2. Tuberculosis***Tuberculosis Control (EPTA-I)*

Ghana 11

To assist in setting up a pilot area in which integrated tuberculosis control procedures will be tested to determine those best suited to local conditions; and in expanding the project into a national tuberculosis programme. The project is expected to continue through 1968. *Provision:* a medical officer (continued), an X-ray technician and a laboratory technician, \$43 042; supplies and equipment, \$200.

**3. Parasitic Diseases***Bilharziasis Control (EPTA-I)*

Ghana 5

To assist a bilharziasis control pilot project begun in 1960; and to design and test control measures in order to determine the most effective and economic way of controlling bilharziasis under local conditions. It is expected that assistance will continue until 1969. *Provision:* an epidemiologist and a sanitary engineer (both continued), \$32 600; a consultant for three months, \$5100; supplies and equipment, \$10 300.

**4. Public Health Administration***Fellowships*

Ghana 200

For post-graduate training in public health. *Provision:* three twelve-month fellowships, \$12 000.

**5. Nursing***Post-basic Nursing Education*

Ghana 27

To develop post-basic nurse education programmes at the University of Ghana. The project is expected to continue through 1970. *Provision:* a senior nurse educator and three nurse educators (all continued), \$57 570; supplies and equipment, \$100.

**6. Maternal and Child Health***Maternal and Child Health Services*

Ghana 3

To help in expanding the maternal and child health services by training staff, setting up health centres and subcentres in rural areas, and expanding the school health services. The project is expected to continue through 1969. *Provision:* a medical officer (continued), \$18 779; supplies and equipment, \$100.

**7. Education and Training***Fellowships*

Ghana 200

For the professional training of health personnel. *Provision:* a fellowship, \$3000.

**GUINEA***(See page 286)***1. Malaria***Pre-eradication Programme*

Guinea 14

A project similar to Cameroon 2 above, which started in 1965. *Provision:* a malariologist, a public health adviser and a laboratory technician (all continued), \$47 586; supplies and equipment, \$1000.

**2. Public Health Administration***Public Health Services (EPTA-I)*

Guinea 16

To help in the reorganization of public health services, after analysing their cost and efficiency; and to draw up a five to ten year plan for their development, for inclusion in the national socio-economic plan. Assistance is expected to continue through 1968. *Provision:* a public health adviser (continued), \$18 270; supplies and equipment, \$100.

**3. Nursing***(a) Nursing Education (EPTA-I)*

Guinea 19

To advise and assist the Government in the development of basic programmes for the training of midwives and nursing personnel at all levels. *Provision:* a senior nurse educator, \$14 689; supplies and equipment, \$200.

*(b) Fellowships*

Guinea 200

To train nurses to professional level. *Provision:* a twelve-month fellowship, \$4000.

**4. Maternal and Child Health***Maternal and Child Health Services (EPTA-I)*

Guinea 1

To assist in increasing training facilities for national health staff and in expanding basic maternal and child health services, particularly in rural areas. The project is expected to continue through 1968. *Provision:* a medical officer (continued), \$19 667; supplies and equipment, \$200.

## 5. Environmental Health

### *Environmental Sanitation (EPTA-I)*

Guinea 8

To assist in training sanitation personnel, planning an environmental health unit within the Ministry of Health, and developing a nation-wide sanitation programme, starting with a pilot demonstration area and giving special attention to water supply programmes. Assistance is expected to continue through 1968. *Provision:* a sanitary engineer (continued) and a sanitarian, \$31 142; supplies and equipment, \$1000.

## 6. Education and Training

### *Fellowships*

Guinea 200

For the professional training of health personnel. *Provision:* a fellowship, \$4000.

## IVORY COAST

*(See page 286)*

## 1. Vital and Health Statistics

### *Vital and Health Statistics Programme (EPTA-I)*

Ivory Coast 8

To assist the Government in organizing a vital and health statistics section in the Ministry of Public Health, to advise on the collection and analysis of vital and health statistics and to train statistical personnel. Assistance is expected to continue through 1968. *Provision:* a medical statistician (continued), \$17 888; supplies and equipment, \$100.

## 2. Health Education

### *Health Education Programme (EPTA-I)*

Ivory Coast 10

To advise on and assist in the establishment of a health education unit in the Ministry of Public Health, and the extension of health education methods in the health services and in training programmes. This project is expected to continue through 1968. *Provision:* a health educator (continued), \$18 308; supplies and equipment, \$100.

## 3. Maternal and Child Health

### *Maternal and Child Health Services*

Ivory Coast 4

To strengthen maternal and child health services as part of the overall development of health and social services; and to assist in training national personnel to staff maternal and child health centres, particularly in rural areas. The project is expected to continue through 1970. *Provision:* a medical officer and a public health nurse (both continued), \$29 812; supplies and equipment, \$100.

## 4. Nutrition

### *Nutrition Unit, Public Health Institute, Abidjan (EPTA-I)*

Ivory Coast 24

To assist, together with FAO, in establishing a nutrition unit that will be responsible for the training of personnel, for nutrition surveys, and for the organization of nutrition programmes. The project is expected to continue through 1968. *Provision:* a nutritionist (continued), \$18 308; supplies and equipment, \$100.

## 5. Environmental Health

### *Environmental Sanitation (EPTA-I)*

Ivory Coast 12

To help in setting up a sanitary engineering section in the Ministry of Public Health; to train sanitation staff; and to develop a long-term sanitation programme for the country. Assistance is expected to continue through 1968. *Provision:* a sanitary engineer (continued), \$25 754; supplies and equipment, \$100.

## 6. Education and Training

### *Fellowships*

Ivory Coast 200

For the professional training of health personnel. *Provision:* a fellowship, \$4000.

## KENYA

*(See page 287)*

## 1. Tuberculosis

### *Tuberculosis Control (EPTA-I)*

Kenya 4

After establishing a national pilot area, to develop a national tuberculosis programme, by gradual expansion of activities. This project is expected to continue through 1968. *Provision:* a medical officer, a statistician and a laboratory technician (all continued), \$42 463; supplies and equipment, \$300.

**2. Public Health Administration***Public Health Services*

Kenya 16

To strengthen and develop rural health services, with emphasis on maternal and child health; and to train auxiliary personnel. *Provision:* a public health adviser, a maternal and child health adviser and a public health nurse (all continued), \$45 309; fellowships, \$4000; supplies and equipment, \$200.

**3. Nursing***Post-basic Nursing Education*

Kenya 32

To assist in establishing a post-basic nursing education programme that will prepare nurse educators in the fields of medical/surgical nursing, midwifery and public health. The project is expected to continue through 1972. *Provision:* a nurse educator (continued), \$11 066; a consultant for ten months, \$17 000; supplies and equipment, \$100.

**4. Nutrition***Nutrition Survey and Control of Deficiency Diseases*

Kenya 9

To identify the chief deficiency diseases in the different regions of Kenya and study their causes, gravity, prevalence and distribution; to train personnel; and to assist in establishing a nutrition unit in the Ministry of Health. This project is expected to continue through 1968. *Provision:* a medical officer, a nutritionist and a non-medical nutritionist (all continued), \$36 525; fellowships, \$8000; supplies and equipment, \$100.

**5. Environmental Health***Environmental Sanitation*

Kenya 2

To assist in improving systems of water supply and excreta disposal; and to train sanitation personnel. Assistance is expected to continue through 1968. *Provision:* a sanitary engineer and a sanitarian (both continued), \$29 051; fellowships, \$16 000; supplies and equipment, \$100.

**6. Education and Training***(a) Medical School, Nairobi*

Kenya 27

To advise on the development of the medical school in Nairobi. *Provision:* a consultant for ten months, \$17 000.

*(b) Fellowships (EPTA-I)*

Kenya 201

For the professional training of health personnel. *Provision:* fellowships in various fields, \$48 000.

**LIBERIA***(See page 288)***1. Malaria***Pre-eradication Programme*

Liberia 20

A project similar to Cameroon 2 above, which started in 1963. *Provision:* a malariologist and a public health adviser (both continued), \$40 809; part payment of local salaries, \$2000; supplies and equipment, \$1000.

**2. Venereal Diseases and Treponematoses***Yaws Control (EPTA-I)*

Liberia 3

To assist the consolidation phase of the yaws control programme that began in 1952, and in developing an integrated programme for the control of endemic communicable diseases. It is expected that assistance will be required until the end of 1968. *Provision:* an epidemiologist and a technical assistant (both continued), \$31 253; supplies and equipment, \$10 000.

**3. Environmental Health***Environmental Sanitation Programme*

Liberia 15

To assist in setting up a sanitary engineering unit in the Ministry of Health, in formulating a long-term sanitation programme, and in training personnel. Assistance is expected to end after 1967. *Provision:* a sanitarian (continued), \$13 475; supplies and equipment, \$100.

**4. Education and Training***Fellowships (Regular and EPTA-I)*

Liberia 200 and 201

For the professional training of health personnel. *Provision:* under the regular budget, a fellowship, \$4000; under the Expanded Programme, a fellowship, \$4000.

## MADAGASCAR

(See page 289)

## 1. Malaria

*Pre-eradication Programme*

Madagascar 8

A project similar to Cameroon 2 above, which started in 1965. *Provision:* a malariologist and a public health adviser (both continued), \$34 138; supplies and equipment, \$1000.

## 2. Bacterial Diseases

*Plague Control*

Madagascar 21

To determine the causes of persistence of plague in certain areas of the country and to reinforce the control measures against this disease. *Provision:* a consultant for six months, \$10 200.

## 3. Public Health Administration

*Rural Health Services*

Madagascar 18

To assist in improving, strengthening and developing existing health services, with emphasis on maternal and child health; and to assist health activities as part of community development. Assistance is expected to continue through 1968. *Provision:* a maternal and child health adviser and a public health adviser (both continued) and a public health nurse, \$48 107; supplies and equipment, \$100.

## 4. Nutrition

*Nutrition Programme (EPTA-I)*

Madagascar 17

To advise on and assist the development of a nutrition unit in the Ministry of Health; undertake nutrition surveys; train personnel to organize programmes of nutrition education; and assess applied nutrition programmes. Assistance to this project is expected to continue through 1968. *Provision:* a nutritionist (continued), \$15 452; supplies and equipment, \$200.

## 5. Environmental Health

*Environmental Sanitation (EPTA-I)*

Madagascar 19

To help in setting up a sanitary engineering unit in the Ministry of Health, formulating a long-term sanitation programme, and training personnel. Assistance is expected to continue through 1968. *Provision:* a sanitary engineer (continued), \$17 960; supplies and equipment, \$1000.

## 6. Education and Training

*(a) Medical Education*

Madagascar 22

Advisory services to the Ministry of Health in Tananarive. *Provision:* a consultant for ten months, \$17 000; supplies and equipment, \$100.

*(b) Fellowships (EPTA-I)*

Madagascar 201

For the professional training of health personnel. *Provision:* fellowships in various fields, \$20 000.

## MALAWI

(See page 290)

## 1. Public Health Administration

*Basic Health Services*

Malawi 6

To assist in developing rural health services and in strengthening the training of medical and auxiliary personnel. *Provision:* a public health adviser, a public health nurse administrator and a public health midwifery nurse educator (all continued), \$34 558; supplies and equipment, \$100.

## 2. Education and Training

*Fellowships (Regular and EPTA-I)*

Malawi 200 and 201

For the professional training of health personnel. *Provision:* fellowships in various fields—under the regular budget, \$8000; under the Expanded Programme, \$40 000.

## MALI

(See page 290)

## 1. Nursing

*Nursing Education*

Mali 14

For the development of the basic school of nursing and the organization of nursing services. The project will probably continue through 1970. *Provision:* a nurse educator (continued), \$12 758; supplies and equipment, \$100.

## 2. Maternal and Child Health

*Training of Midwives (EPTA-I)*

Mali 24

To assist the development of the basic programmes for training nursing and midwifery personnel, and the organization of nursing and midwifery services. This project is closely associated with Mali 14, above. Assistance is expected to continue until 1971. *Provision:* a nurse educator (midwifery) and a nurse educator (general), \$27 548; supplies and equipment, \$200.

## 3. Nutrition

*Advisory Services (EPTA-I)*

Mali 31

To develop the work of the health services in the prevention and treatment of nutritional diseases, train personnel, and organize training in nutrition throughout the health and social services. Assistance to this project is expected to continue through 1968. *Provision:* a nutritionist (continued), \$16 338; supplies and equipment, \$200.

## 4. Environmental Health

*Environmental Sanitation*

Mali 9

To assist in a training programme for assistant health inspectors; in setting up an environmental health unit in the Ministry of Health; and in planning and developing a national sanitation programme. Assistance is expected to end after 1967. *Provision:* a sanitary engineer (continued), \$18 756; fellowships, \$4000; supplies and equipment, \$100.

## 5. Education and Training

*Fellowships (EPTA-I)*

Mali 201

For the professional training of health personnel. *Provision:* fellowships in various fields, \$10 000.

## MAURITANIA

(See page 291)

## 1. Malaria

*Pre-eradication Programme*

Mauritania 9

A project similar to Cameroon 2 above, which started in 1962. *Provision:* a malariologist, a public health adviser, a sanitarian and a laboratory technician (all continued), \$64 593; supplies and equipment, \$1000.

## 2. Nursing

*Advisory Services*

Mauritania 8

Establishment and development of the programme for the basic school of nursing, and organization of nursing services. The project is expected to continue through 1968. *Provision:* a nurse educator (continued), \$15 012; supplies and equipment, \$100.

## 3. Maternal and Child Health

*Maternal and Child Health Services*

Mauritania 3

Organization of maternal and child health services and training of auxiliary personnel. The project is planned to continue until the end of 1967. *Provision:* a medical officer and a public health nurse (both continued), \$27 147; supplies and equipment, \$100.

## 4. Education and Training

*Fellowships (EPTA-I)*

Mauritania 201

For the professional training of health personnel. *Provision:* fellowships in various fields, \$20 000.

## MAURITIUS

(See page 292)

## 1. Malaria

*Eradication Programme*

Mauritius 7

A project started in 1960 with the aim of eradicating malaria, the special emphasis now being on surveillance operations. *Provision:* a malariologist (continued), \$13 593; consultants, \$3600; supplies and equipment, \$500.

**2. Tuberculosis***Tuberculosis Control (EPTA-I)*

Mauritius 2

To strengthen the tuberculosis services and in particular to re-orient the present national programme towards integration into the health services and adaptation to general health principles. The project is expected to continue through 1968. *Provision:* a medical officer and a bacteriologist (both continued), \$25 512; supplies and equipment, \$400.

**3. Public Health Administration***(a) Epidemiological Services*

Mauritius 20

To advise on the organization of an epidemiological unit in the Ministry of Health. *Provision:* a consultant for six months, \$10 200.

*(b) Fellowships*

Mauritius 200

For post-graduate training in public health. *Provision:* a twelve-month fellowship, \$4000.

**4. Environmental Health***Land and Water Resources Survey (EPTA-I)*

Mauritius 15

To assist in organizing a central division of environmental health, elaborating a training programme for sanitation personnel, and setting up demonstration areas. The project is associated with a United Nations Special Fund project for a land and water survey and is expected to continue through 1968. *Provision:* a sanitary engineer (continued), \$15 169; supplies and equipment, \$200.

**5. Education and Training***Fellowships*

Mauritius 200

For the professional training of health personnel. *Provision:* fellowships in various fields, \$14 000.

**NIGER***(See page 292)***1. Tuberculosis***Tuberculosis Control (EPTA-I)*

Niger 5

To establish a national pilot area in which integrated tuberculosis control measures, and particularly BCG vaccination, will be carried out along with the training of national personnel. The project is expected to continue through 1968. *Provision:* a medical officer and a public health nurse (both continued), \$33 480; supplies and equipment, \$250.

**2. Nursing***School of Nursing, Niamey (United Nations Special Fund)*

Niger 11

Reorganization and development of the School of Nursing of Niamey, where the Government plans to train nursing personnel, at specialist, state-diploma and auxiliary levels. Assistance will be needed until 1971. *Provision:* expert costs, \$74 800; fellowships, \$9000; supplies and equipment, \$20 000; miscellaneous, \$5000.

**3. Environmental Health***Environmental Sanitation*

Niger 18

To develop a comprehensive water supply programme, conduct a general survey of environmental sanitation conditions, and make recommendations for a long-term sanitation programme that will include the training of personnel. Assistance is expected to continue through 1967. *Provision:* a sanitary engineer (continued), \$17 189; fellowships, \$16 000; supplies and equipment, \$100.

**4. Education and Training***Fellowships (EPTA-I)*

Niger 201

For the professional training of health personnel. *Provision:* fellowships in various fields, \$30 000.

**NIGERIA***(See page 293)***1. Malaria***(a) Pre-eradication Programme, Western Nigeria*

Nigeria 26

A project similar to Cameroon 2 above, which started in 1965. *Provision:* a malariologist, a public health adviser, an entomologist and a laboratory technician (all continued), and a sanitarian, \$83 458; supplies and equipment, \$1000.



*(b) Pre-eradication Programme, Northern Nigeria*

Nigeria 32

A project similar to Cameroon 2 above, which started in 1962. *Provision:* a malariologist, a public health adviser, an entomologist, a sanitarian and a laboratory technician (all continued), \$74 148; part payment of local salaries, \$6000; supplies and equipment, \$30 000.

*(c) Pre-eradication Programme, Eastern Nigeria*

Nigeria 37

A project similar to Cameroon 2 above, which started in 1963. *Provision:* a malariologist, a public health adviser, a laboratory technician and a sanitarian (all continued), \$59 292; supplies and equipment, \$1000.

**2. Tuberculosis***Tuberculosis Control*

Nigeria 14

To assist in establishing a pilot area, where integrated tuberculosis control measures can be introduced and personnel trained; and later in expanding activities into a national tuberculosis programme. The project is expected to continue through 1968. *Provision:* a medical officer, a statistician and a laboratory technician (all continued), \$49 515; supplies and equipment, \$100.

**3. Leprosy***Leprosy Control, Western and Mid-west Nigeria (EPTA-I)*

Nigeria 44

To assist the organization of leprosy control; and the continued operation of a pilot area for demonstrating the control of leprosy and other diseases, using all available personnel and public health institutions. *Provision:* a leprologist (continued), \$15 734; supplies and equipment, \$200.

**4. Public Health Administration***(a) Rural Health Services, Eastern Nigeria (EPTA-I)*

Nigeria 10

To develop public health nursing and midwifery services in the rural areas, and advise on the organization of supervision for rural health and midwifery centres. The project is expected to continue through 1967. *Provision:* a public health nurse administrator (continued), \$13 172; supplies and equipment, \$200.

*(b) Rural Health Services, Western Nigeria (EPTA-I)*

Nigeria 21

To assist in establishing a public health engineering unit in the Ministry of Health, a centre for training public health nurses, and a practice and demonstration area for the training of personnel. It is expected that international assistance will continue through 1967. *Provision:* a sanitary engineer and a public health nursing adviser (both continued), \$33 695; fellowships, \$3300; supplies and equipment, \$200.

*(c) Health Laboratory Services (EPTA-I)*

Nigeria 24

To advise on the organization and development of health laboratory services. *Provision:* an adviser on health laboratories (continued), \$15 734; supplies and equipment, \$200.

*(d) Public Health Administration, Northern Nigeria (EPTA-I)*

Nigeria 48

To study the cost and efficiency of health services with a view to running them more economically within the framework of a plan for the integration of all projects in operation, covering the next five to ten years, and forming part of the national plan for economic and social development. *Provision:* a public health adviser (continued), \$15 656; supplies and equipment, \$200.

*(e) Advisory Services*

Nigeria 56

To advise on and assist in the development of health services and programmes for training health personnel. Assistance is expected to continue through 1968. *Provision:* a public health adviser (continued), \$15 889; supplies and equipment, \$100.

*(f) Epidemiological Services, Western Nigeria*

Nigeria 59

To advise on and assist in establishing an epidemiological unit in the Ministry of Health and in organizing epidemiological services in peripheral health units. The project is expected to continue through 1970. *Provision:* an epidemiologist and a statistician, \$26 823; supplies and equipment, \$100.

*(g) Fellowships (Regular and EPTA-I)*

Nigeria 200 and 201

For post-graduate training in public health. *Provision:* under the regular budget—two twelve-month fellowships, \$8000; under the Expanded Programme—two twelve-month fellowships, \$8000.

**5. Vital and Health Statistics***Fellowships*

Nigeria 200

*Provision:* two twelve-month fellowships, \$8000.

**6. Nursing***Nursing Education, Mid-west Nigeria*

Nigeria 57

To train nurses and develop nursing services in relation to the needs of the area. Assistance is expected to continue until 1970. *Provision:* a nurse educator (continued), \$12 260; supplies and equipment, \$100.

**7. Social and Occupational Health***Physical Rehabilitation Services* (EPTA-I)

Nigeria 45

To assist the Federal Government in developing physical therapy and other services for the physically handicapped. *Provision:* a physical therapist (continued), \$13 976; supplies and equipment, \$200.

**8. Health Education***Health Education* (EPTA-I)

Nigeria 28

To assist the Federal Government in extending the use of health education methods in health services and providing consultant facilities to the regions of the country. The project began in 1962 and is expected to continue through 1968. *Provision:* a health educator (continued) and a school health education adviser, \$30 989; supplies and equipment, \$500.

**9. Mental Health***University of Ibadan*

Nigeria 60

To help the Department of Psychiatry, Neurology and Neuro-surgery to develop teaching in the field of mental health. *Provision:* a visiting professor/lecturer, \$17 179.

**10. Education and Training***Fellowships* (EPTA-I)

Nigeria 201

For the professional training of health personnel. *Provision:* fellowships in various fields, \$36 000.

**PORTUGAL***(See page 295)***Angola****Education and Training***Fellowships*

Angola 200

For the professional training of health personnel. *Provision:* fellowships in various fields, \$8000.

**Mozambique****1. Malaria***Pre-eradication Programme*

Mozambique 1

A project similar to that described under Cameroon 2 above. It started in 1960 as a pilot project and was converted to a pre-eradication programme in 1964. *Provision:* a malariologist, an entomologist, a laboratory technician and a sanitarian (all continued), \$61 381; supplies and equipment, \$1000.

**2. Public Health Administration***Fellowships*

Mozambique 200

For post-graduate training in public health. *Provision:* a nine-month fellowship, \$3000.

**3. Environmental Health***Environmental Sanitation*

Mozambique 4

To assist in an environmental health programme, including the establishment of a central unit and a demonstration area and the training of personnel. *Provision:* a sanitary engineer, \$14 072; supplies and equipment, \$100.

**REUNION***(See page 296)***1. Malaria***Pre-eradication Survey*

Réunion 7

To assess the prevalence of malaria and prepare a plan of operation for an eradication programme on the island. This survey will continue until the end of 1967. *Provision:* a malariologist and a laboratory technician (both continued), \$28 010; supplies and equipment, \$1000.

**2. Education and Training***Fellowships*

Réunion 200

For the professional training of health personnel. *Provision:* fellowships in various fields, \$8000.

## RWANDA

(See page 296)

## 1. Tuberculosis

*Tuberculosis Control (EPTA-I)*

Rwanda 1

To establish a pilot area in which BCG vaccination, and possibly other simplified tuberculosis control measures, will be carried out; to determine their suitability for application throughout the country; and to train personnel. The project is expected to continue through 1968. *Provision:* a medical officer, a public health nurse and a laboratory technician (all continued), \$40 055; supplies and equipment, \$2000.

## 2. Maternal and Child Health

*Advisory Services*

Rwanda 3

To assist in training national personnel with a view to expanding the rural health services; in co-ordinating health and social services in rural areas; and in establishing polyvalent rural maternal and child health centres. Assistance is expected to continue through 1970. *Provision:* a medical officer and a public health nurse (both continued), and a non-medical nutritionist, \$44 415; supplies and equipment, \$100.

## 3. Education and Training

(a) *University of Butare (EPTA-I)*

Rwanda 5

To advise on and assist the development of a medical faculty and in training programmes for paramedical and auxiliary health personnel. The project is expected to continue through 1970. *Provision:* a teacher of public health (continued), a teacher of laboratory services, a sanitary engineer and a laboratory technician, \$68 360; supplies and equipment, \$10 000.

(b) *Fellowships (EPTA-I)*

Rwanda 201

For the professional training of health personnel. *Provision:* fellowships in various fields, \$20 000.

## SENEGAL

(See page 297)

## 1. Malaria

*Pre-eradication Programme*

Senegal 13

A project similar to that described under Cameroon 2 above, which started in 1965. *Provision:* a malariologist, a public health adviser, an entomologist and a sanitarian (all continued), \$65 833; part payment of local salaries, \$2000; supplies and equipment, \$1000.

## 2. Tuberculosis

*Tuberculosis Control*

Senegal 19

To assist in developing a national tuberculosis control programme by introducing simplified control measures in a pilot area and training national personnel. The project is expected to continue through 1968. *Provision:* a medical officer, a laboratory technician and a public health nurse, \$43 060; supplies and equipment, \$100.

## 3. Vital and Health Statistics

*Vital and Health Statistics*

Senegal 11

To advise on and assist in establishing a vital and health statistics unit in the Ministry of Health, in developing peripheral statistical services and in training statistical personnel. Assistance is expected to continue through 1968. *Provision:* a statistician (continued), \$18 488; fellowships, \$2500; supplies and equipment, \$700.

## 4. Nursing

*Advisory Services*

Senegal 12

To assist in developing a basic programme of nursing education and in integrating training in public health in all programmes for nurses and midwives. Assistance is expected to continue through 1968. *Provision:* a nurse educator (continued), \$12 883; supplies and equipment, \$100.

## 5. Health Education

*Health Education Services (EPTA-I)*

Senegal 9

To develop the health education unit in the Ministry of Health and extend the use of health education methods in the health and other services and at the University of Dakar. The project is expected to continue through 1968. *Provision:* a health educator (continued), \$18 248; fellowships, \$4000; supplies and equipment, \$250.

**6. Nutrition***Nutrition Training*

Senegal 16

To develop nutrition training for students at the University of Dakar and other associated institutions and help to integrate training in nutrition into the curricula of medical students, nurses, midwives and public health inspectors. Assistance to this project is planned to continue through 1967. *Provision:* a medical adviser on nutrition and a non-medical nutritionist (both continued), \$31 348; supplies and equipment, \$100.

**7. Environmental Health***Environmental Sanitation (EPTA-I)*

Senegal 4

To assist in training sanitation personnel, developing the general health services, improving environmental sanitation conditions in rural areas, and establishing a sanitation unit within the Ministry of Health. Assistance is expected to end after 1967. *Provision:* a sanitary engineer and a sanitarian (both continued), \$34 449; fellowships, \$8000; supplies and equipment, \$100.

**8. Education and Training***Public Health Teaching, University of Dakar*

Senegal 23

To assist in teaching preventive medicine and public health at the School of Medicine and Pharmacy, University of Dakar, and to promote post-graduate training in public health. *Provision:* a consultant for eight months, \$13 600.

**SEYCHELLES***(See page 298)***1. Tuberculosis***Tuberculosis Control*

Seychelles 9

To assist in building up a national control programme, with BCG vaccination as first priority integrated with other simplified control measures; and in training national personnel. The project is expected to continue through 1968. *Provision:* a public health nurse (continued), \$8956; a consultant for ten months, \$17 000; supplies and equipment, \$1000.

**2. Venereal Diseases and Treponematoses***Venereal Disease Control (EPTA-I)*

Seychelles 10

To assist in organizing venereal disease control through the existing health services. Assistance is expected to continue until 1969. *Provision:* a medical officer and a laboratory technician (both continued), \$24 589; supplies and equipment, \$200.

**SIERRA LEONE***(See page 298)***1. Malaria***Pre-eradication Programme*

Sierra Leone 19

A project similar to that described under Cameroon 2 above, which started in 1963. *Provision:* a malariologist, a public health adviser and a laboratory technician (all continued), \$48 643; supplies and equipment, \$1000.

**2. Venereal Diseases and Treponematoses***Yaws Control (EPTA-I)*

Sierra Leone 1

To assist the consolidation phase of an anti-yaws mass campaign which began in 1958, and help to organize a programme for the control of endemic communicable diseases. Assistance is expected to continue until 1969. *Provision:* a medical officer and a statistician (both continued), \$35 043; supplies and equipment, \$400.

**3. Public Health Administration***(a) Health Laboratory Services*

Sierra Leone 11

To organize laboratory services at national, departmental and regional levels and train the necessary staff for the establishment of peripheral laboratories. Assistance is expected to continue through 1968. *Provision:* a medical officer, \$15 044; fellowships, \$4000; supplies and equipment, \$100.

*(b) Advisory Services*

Sierra Leone 26

To advise on and assist in the organization and development of health services in implementation of the national health plan. *Provision:* a public health adviser (continued), \$13 752.

**4. Environmental Health***Environmental Sanitation*

Sierra Leone 14

To train health inspectors, and help in the establishment of a sanitary engineering unit in the Ministry of Health and in the planning of a nation-wide sanitation programme. Assistance is expected to terminate at the end of 1967. *Provision:* a health inspector (continued), \$15 085; fellowships, \$4000; supplies and equipment, \$100.

**SOUTH AFRICA***(See page 299)***Education and Training***Fellowships*

South Africa 200

For the professional training of health personnel. *Provision:* fellowships in various fields, \$16 500.

**SOUTHERN RHODESIA***(See page 299)***1. Malaria***Pre-eradication Programme*

Southern Rhodesia 5

A project similar to that described under Cameroon 2 above, which started in 1965. *Provision:* a malariologist, an engineer, an entomologist and a laboratory technician (all continued), \$52 694; supplies and equipment, \$1000.

**2. Maternal and Child Health***Medical School, Salisbury*

Southern Rhodesia 4

To develop the Department of Paediatrics in the Salisbury Medical School. The project is expected to continue through 1969. *Provision:* a grant-in-aid, \$19 000.

**3. Education and Training***Fellowships*

Southern Rhodesia 200

For the professional training of health personnel. *Provision:* fellowships in various fields, \$8000.

**SPANISH GUINEA***(See page 299)***Malaria***Pre-eradication Programme*

Spanish Guinea 1

A project similar to that described under Cameroon 2 above, which started in 1965. *Provision:* a malariologist and a laboratory technician (both continued) and a sanitarian, \$35 982; supplies and equipment, \$1000.

**SWAZILAND***(See page 299)***1. Tuberculosis***Tuberculosis Control (EPTA-I)*

Swaziland 2

To assist in establishing a national tuberculosis control programme, after setting up a pilot area where the practicability of integrating simplified tuberculosis control measures into existing public health facilities will be investigated. The project is expected to continue through 1968. *Provision:* a medical officer, a statistician, a laboratory technician and a public health nurse (all continued), \$53 414; supplies and equipment, \$500.

**2. Education and Training***(a) Fellowships*

Swaziland 200

For the professional training of health personnel. *Provision:* fellowships in various fields, \$8000.

*(b) Fellowships (EPTA-I)*

Swaziland 201

For undergraduate medical studies. *Provision:* \$24 000.

## TOGO

(See page 300)

## 1. Malaria

*Pre-eradication Programme* (Regular and EPTA-I)

Togo 3

A project similar to that described under Cameroon 2 above, which started in 1962. *Provision:* under the regular budget—an engineer, an entomologist, a laboratory technician and a sanitarian (all continued), \$56 815; supplies and equipment, \$30 000; under the Expanded Programme—a malariologist (continued), \$18 531; supplies and equipment, \$1000.

## 2. Public Health Administration

(a) *Health Laboratory Services* (EPTA-I)

Togo 17

To develop health laboratory services. *Provision:* a three-year fellowship in laboratory techniques, \$12 000.

(b) *Epidemiological Services* (EPTA-I)

Togo 24

To help in organizing epidemiological services. Assistance is expected to continue until 1968. *Provision:* an epidemiologist (continued), \$17 954; supplies and equipment, \$500.

## 3. Vital and Health Statistics

*Fellowships* (EPTA-I)

Togo 201

*Provision:* \$12 000.

## 4. Nursing

*Advisory Services*

Togo 13

To strengthen programmes for the training of nurses and midwives at all levels. The project will probably continue through 1968. *Provision:* a nurse educator (continued), \$17 510; fellowships, \$4000; supplies and equipment, \$100.

## 5. Environmental Health

*Environmental Sanitation Programme*

Togo 15

To assist in training sanitation personnel, setting up a sanitation unit in the Ministry of Health, and planning a long-term environmental sanitation programme that will begin with a pilot project. Assistance is expected to terminate at the end of 1967. *Provision:* a sanitary engineer and a sanitarian (both continued), \$37 803; fellowships, \$6000; supplies and equipment, \$100.

## 6. Education and Training

*Fellowships* (Regular and EPTA-I)

Togo 200 and 201

For the professional training of health personnel. *Provision:* under the regular budget—a fellowship, \$4000; under the Expanded Programme—fellowships in various fields, \$16 000.

## UGANDA

(See page 301)

## 1. Malaria

*Pre-eradication Programme*

Uganda 12

A project similar to that described under Cameroon 2 above, which started in 1962. *Provision:* a malariologist, a public health adviser and a laboratory technician (all continued) and an entomologist, \$55 546; supplies and equipment, \$1000.

## 2. Tuberculosis

*Tuberculosis Control* (EPTA-I)

Uganda 30

To develop a co-ordinated and integrated control programme in a pilot area. After the practicability of simplified and standardized control measures, with main emphasis on BCG vaccination, has been investigated, the project will be expanded into a national tuberculosis control programme. It is expected to continue through 1968. *Provision:* a medical officer, a public health nurse and a laboratory technician (all continued), \$41 046; supplies and equipment, \$1000.

## 3. Health Education

*Health Education Programme* (EPTA-I)

Uganda 24

To develop the health education unit in the Ministry of Health, extend the use of health education methods in the health and other services, and expand training in health education at the University of East Africa (Makerere College). The project is expected to continue through 1968. *Provision:* a health educator (continued), \$14 448; fellowships, \$4000; supplies and equipment, \$200.

**4. Maternal and Child Health***Maternal and Child Health Services*

Uganda 7

To assist in improving the organization of maternal and child services, training auxiliary personnel, and expanding school health and immunization programmes. The project is expected to continue through 1970. *Provision:* a medical officer, a non-medical nutritionist and a public health nurse (all continued), \$46 551; supplies and equipment, \$100.

**5. Education and Training***Fellowships (Regular and EPTA-I)*

Uganda 200 and 201

For the professional training of health personnel. *Provision:* fellowships in various fields—under the regular budget, \$8000; under the Expanded Programme, \$8000.

**UNITED REPUBLIC OF TANZANIA**

(See page 302)

**Tanganyika****1. Virus Diseases***Eye Diseases*

Tanzania 10

To help in the preparation and execution of a programme for the control of communicable eye diseases, following a survey of such diseases that began in 1965. It is expected that assistance will continue until 1968. *Provision:* a medical officer (continued), \$15 266; a consultant for four months, \$6800; supplies and equipment, \$100.

**2. Health Education***Advisory Services*

Tanzania 33

To assist in developing the health education unit in the Ministry of Health and extending the use of health education methods in the health services. *Provision:* a consultant for three months, \$5100.

**3. Maternal and Child Health***Advisory Services*

Tanzania 35

To review the present UNICEF/WHO-assisted programme and make recommendations for its further development. *Provision:* a consultant for three months, \$5100.

**4. Nutrition***Nutrition Programme*

Tanzania 23

To assist in studying the main deficiency diseases, in particular calorie and protein malnutrition; training personnel; and establishing a nutrition unit in the Ministry of Health that will be responsible for developing nutrition programmes. Assistance to this project is expected to continue through 1968. *Provision:* a nutritionist (continued), \$15 215; supplies and equipment, \$100.

**5. Environmental Health***Insect Survey, Dar-es-Salaam*

Tanzania 34

To evaluate present methods of insect control in the city. *Provision:* a consultant for three months, \$5100.

**6. Education and Training***(a) Medical School, Dar-es-Salaam (EPTA-I)*

Tanzania 22

To assist the development of the School of Medicine. The project is expected to continue through 1968. *Provision:* two visiting lecturers/professors (continued), \$30 364; supplies and equipment, \$100.

*(b) Fellowships*

Tanzania 200

For the professional training of health personnel. *Provision:* fellowships in various fields, \$12 000.

**Zanzibar****1. Malaria***Eradication Programme (Regular and EPTA-I)*

Tanzania 4

Eradication of malaria in the islands of Zanzibar and Pemba. The project is expected to continue through 1968. *Provision:* under the regular budget—a laboratory technician (continued), \$13 712; independent assessment team, \$2700; part payment of local salaries, \$1000; supplies and equipment, \$5000; under the Expanded Programme—a malariologist and an entomologist (both continued), and a sanitarian, \$41 452; supplies and equipment, \$3000.

## 2. Maternal and Child Health

### *Nursing/Midwifery Education (EPTA-I)*

Tanzania 12

To continue the integration of public health concepts into midwifery teaching and practice, and to develop midwifery services in rural areas. Assistance will probably be needed through 1968. *Provision:* a midwife/nurse educator (continued), \$11 712; supplies and equipment, \$200.

## 3. Education and Training

### *Fellowships*

Tanzania 200

For the professional training of health personnel. *Provision:* fellowships in various fields, \$11 000.

## UPPER VOLTA

*(See page 303)*

## 1. Public Health Administration

### *Advisory Services (EPTA-I)*

Upper Volta 8

To assist in organizing health services and establishing a plan for their development as part of the socio-economic plan, paying special attention to training of staff. *Provision:* a public health adviser (continued), \$19 832; supplies and equipment, \$200.

## 2. Nursing

### *Nursing Education (EPTA-I)*

Upper Volta 11

To assist the development of nursing and midwifery education. The project is expected to continue through 1968. *Provision:* two nurse educators (continued), \$28 981; supplies and equipment, \$1000.

## 3. Health Education

### *Health Education Programme (EPTA-I)*

Upper Volta 9

To assist in the establishment of a health education service and the training of health and other personnel in health education methods; and to co-operate with the Centre Muraz and the Ecole Jamot at Bobo-Dioulasso. The project is expected to continue through 1968. *Provision:* a health educator (continued), \$17 156; fellowships, \$4000; supplies and equipment, \$200.

## 4. Maternal and Child Health

### *Maternal and Child Health Services*

Upper Volta 4

To develop maternal and child health services within the framework of a general health plan, and help in training auxiliaries. It is expected that the project will continue through 1970. *Provision:* a medical officer (continued) and a public health nurse, \$29 004; supplies and equipment, \$100.

## 5. Environmental Health

### *Environmental Sanitation (EPTA-I)*

Upper Volta 10

To help in organizing the environmental sanitation services and to train national personnel. Assistance is expected to continue through 1970. *Provision:* a sanitary engineer, \$16 175; supplies and equipment, \$1500.

## ZAMBIA

*(See page 304)*

## 1. Malaria

### *Pre-eradication Programme*

Zambia 2

A project similar to that described under Cameroon 2 above, which will start in 1966. *Provision:* a malariologist, a public health adviser and a laboratory technician (all continued), \$34 858; supplies and equipment, \$1000.

## 2. Nursing

### *Training of Community Nurses*

Zambia 9

To establish a programme for the training of community health nurses and develop a demonstration area where the practical aspects of public health nursing can be taught. The project will probably last until the end of 1971. *Provision:* two public health nurse educators (continued), \$22 132; fellowships, \$8000; supplies and equipment, \$100.



**3. Environmental Health***Environmental Health Services*

Zambia 8

To advise on and assist in the training of environmental health personnel for the basic health services. This project is expected to continue through 1970. *Provision:* a health inspector (continued), \$11 066; supplies and equipment, \$100.

**4. Education and Training***Fellowships*

Zambia 200

For the professional training of health personnel. *Provision:* fellowships in various fields, \$8000.

**INTER-COUNTRY PROGRAMMES***(See page 304)***1. Malaria***(a) Advisory Services*

AFRO 48

To enable specialists on the various aspects of malaria eradication to visit countries in the Region where their services are required, as consultants. *Provision:* two consultant months, \$3400.

*(b) Technical Documents*

AFRO 90

To meet the need for reproducing technical documents, manuals on operational techniques, and the large number of detailed reports, with maps, from the advisory teams. *Provision:* \$1000.

*(c) Malaria Eradication Training Centre (English language), Lagos*

AFRO 105

To train national personnel in the techniques required for malaria pre-eradication and eradication programmes, including those related to public health; and to provide public health workers with training in the organization of basic health services. *Provision:* a director of studies, an entomologist, two laboratory technicians, a sanitarian, an administrative officer and a secretary (all continued), \$108 591; consultants, \$3400; part payment of local salaries, \$13 700; fellowships, \$25 000; supplies and equipment, \$5100.

*(d) Malaria Eradication Training Centre (French language), Lomé*

AFRO 128

A project similar to AFRO 105, above. *Provision:* a director of studies, an engineer, an entomologist, a sanitarian, two laboratory technicians, an administrative officer and a secretary (all continued), \$125 266; consultants, \$3400; part payment of local salaries, \$16 000; fellowships, \$24 000; supplies and equipment, \$10 000.

*(e) Malaria Training of Public Health Personnel*

AFRO 156

To train the medical and paramedical personnel of the national health services for work in the malaria pre-eradication and eradication programmes; courses will be held locally, for periods of two to four weeks. *Provision:* stipends for staff attending the courses, \$5000.

**2. Tuberculosis***(a) Regional Tuberculosis Epidemiological Centre, Nairobi*

AFRO 53

To assist in the technical planning of tuberculosis projects, preparation of technical protocols, and co-ordination of control activities; to evaluate, analyse and report on epidemiological and statistical material and information received from all projects; and to assist in planning, co-ordinating and analysing field research activities. The project, which started in 1960, is expected to continue through 1970. *Provision:* a medical officer, a statistician, an assistant statistician, a secretary and three clerks (all continued), \$60 139; supplies and equipment, \$2500.

*(b) Advisory Services (EPTA-I)*

AFRO 115

To assess the tuberculosis situation in countries of the Region in the light of their overall public health problems and of their socio-economic structure and available resources, the information obtained serving as a basis for the planning of assistance to national tuberculosis control programmes. The project is expected to continue through 1970. *Provision:* a medical officer, a statistician and a public health nurse (all continued), \$61 893; supplies and equipment, \$1500.

**3. Venereal Diseases and Treponematoses***Treponematoses Advisory Team (EPTA-I)*

AFRO 125

To provide the Regional Office with a means of evaluating and advising on treponematoses control projects; and at the same time to carry out serological sampling surveys for a variety of communicable diseases. Assistance is expected to continue until 1970. *Provision:* an epidemiologist, a laboratory technician and a field technician (all continued), \$51 729; a consultant for three months, \$5100; supplies and equipment, \$1700.

#### 4. Bacterial Diseases

(a) *Cerebrospinal Meningitis Control* AFRO 101

To advise on control measures against cerebrospinal meningitis. The project is expected to continue through 1968. *Provision:* a consultant for six months, \$10 200; supplies and equipment, \$100.

(b) *Meeting on Cerebrospinal Meningitis* AFRO 146

To discuss technical problems connected with the prevention and control of cerebrospinal meningitis. *Provision:* temporary staff, \$5000; attendance of participants, \$9000; supplies and equipment, \$1000.

(c) *Plague Control* AFRO 162

To provide technical advice to countries on control measures against plague. The project is expected to continue through 1968. *Provision:* a consultant for six months, \$10 200.

#### 5. Parasitic Diseases

(a) *Bilharziasis Advisory Team* AFRO 94

To help governments in assessing their bilharziasis problem and to work out suitable control measures. The project is expected to continue through 1970. *Provision:* a biologist (continued), an epidemiologist and a sanitary engineer, \$51 210; supplies and equipment, \$1000.

(b) *Epidemiological Advisory Team on Onchocerciasis (EPTA-I)* AFRO 131

To help governments in assessing their onchocerciasis problem and in drawing up control programmes. Assistance is expected to continue until 1970. *Provision:* an epidemiologist and an entomologist (both continued), \$38 188; supplies and equipment, \$2000.

(c) *Ophthalmological Advisory Team on Onchocerciasis* AFRO 163

To study the situation as regards onchocerciasis and associated eye diseases in various countries of the Region; advise on research and on control measures that can be carried out by the basic health services; and train national staff. *Provision:* two consultants (an epidemiologist and an entomologist) for eight months each, \$27 200; supplies and equipment, \$100.

(d) *Trypanosomiasis Course* AFRO 180

A six-week course on trypanosomiasis control for medical officers, veterinary officers, entomologists and agriculturists. *Provision:* six consultant months, \$10 200; temporary staff, \$3000; attendance of participants, \$16 000; supplies and equipment, \$1000.

#### 6. Virus Diseases

*Smallpox Eradication* AFRO 143

To assist countries planning or implementing smallpox control or eradication programmes, co-ordinate such programmes, and provide the Regional Office with background information on the smallpox situation in the Region. The project is expected to continue through 1970. *Provision:* two medical officers and a secretary (all continued), \$35 254; supplies and equipment, \$4500.

#### 7. Leprosy

*Evaluation Team (EPTA-I)* AFRO 171

To help countries to evaluate their leprosy control activities and to advise on control measures. *Provision:* two consultants for twelve months each, \$40 800; a secretary, \$5364; supplies and equipment, \$2500.

#### 8. Public Health Administration

(a) *Advisory Services in Public Health Planning* AFRO 183

To assist the ministries of health of various governments in preparing health development plans, within the framework of general economic and social planning; to study and evaluate the different health problems facing the countries; and to establish a list of priorities for health work in accordance with technical possibilities and existing resources. Assistance is expected to continue through 1972. *Provision:* a public health adviser (continued), \$24 674; two consultants for ten months each, \$34 000.

(b) *Health Laboratory Services* AFRO 187

To advise ministries of health on (i) the planning, organization, expansion or improvement of the public health laboratory services; (ii) the selection and acquisition of equipment, provision of laboratory animals, information on various laboratory techniques, and measures for the protection of laboratory workers; (iii) the organization of training courses. *Provision:* an adviser in health laboratory services, \$19 154.

#### 9. Vital and Health Statistics

*Assistance to the Economic Commission for Africa* AFRO 174

To train the health statistical assistants and other statistical personnel needed in ministries of health and other health institutions for the establishment or strengthening of statistical services in the Region. Assistance is expected to continue through 1970. *Provision:* a consultant for three months, \$5100; fellowships, \$14 900.

**10. Nursing***(a) Centre for Post-basic Nursing Education (English language)*

AFRO 87

To assist the development of a department of nursing at the University of Ibadan, Nigeria, which will provide facilities for the post-basic training of English-speaking nurses from the African Region. Nurse educators, administrators, and supervisors in public health nursing, medical/surgical nursing and midwifery will be prepared for a university degree in nursing. UNICEF and the Rockefeller Foundation are contributing. Assistance will probably be required until 1974. *Provision:* a senior nurse educator and three nurse educators (all continued), \$55 962; supplies and equipment, \$100.

*(b) Training in Public Health Nursing*

AFRO 189

To establish and develop a programme for the preparation of public health nurses and to organize a practice teaching field and demonstration area. The project will probably continue through 1972. *Provision:* two public health nurse educators (one continued) and a nurse educator in midwifery/public health, \$44 440; supplies and equipment, \$100.

*(c) Centre for Post-basic Nursing Education (French language)*

AFRO 197

To provide training facilities for positions of leadership in nursing in the national health services. *Provision:* four nurse educators (all continued), \$56 122; supplies and equipment, \$500.

**11. Health Education***Advisory Services*

AFRO 190

To provide advice on health education services to countries of the Region and closer supervision of WHO-assisted projects. The project is expected to continue through 1970. *Provision:* a health education adviser, \$23 122.

**12. Maternal and Child Health***(a) Makerere College, University of East Africa*

AFRO 130

To assist the development of undergraduate, post-graduate and nurse/midwife training in the Department of Obstetrics and Gynaecology of Makerere College. *Provision:* a grant to cover the emoluments of a senior lecturer in child health and a midwife tutor, \$15 914.

*(b) Fellowships*

AFRO 200

To provide for attendance at the courses organized by the International Children's Centre in the African Region; and to enable maternal and child health workers in Africa to study in Paris. The project is expected to continue through 1970. *Provision:* \$10 000.

**13. Nutrition***(a) Joint FAO/WHO/CCTA Regional Food and Nutrition Commission for Africa*

AFRO 142

To study and disseminate data available in Africa on food and nutrition; and to facilitate the co-ordination of work on nutritional problems. The Secretariat of the Commission, in Accra, comprises one FAO and one WHO staff member, who collect and disseminate nutritional information, in both English and French, by means of periodic bulletins and news sheets. The project is expected to continue through 1970. *Provision:* a nutritionist and a secretary (both continued), \$20 957; supplies and equipment, \$1000.

*(b) Advisory Services*

AFRO 167

To advise and assist ministries of health in developing nutrition activities, establishing nutrition units, training personnel, and improving nutrition education in health centres. The project is expected to continue through 1970. *Provision:* three medical nutritionists (all continued), two non-medical nutritionists (one continued) and three secretaries (all continued), \$82 730; supplies and equipment, \$100.

*(c) Fellowships*

AFRO 200

To enable fellows to take a nutrition course organized jointly by FAO, UNICEF and WHO with institutions in Paris and Dakar, or alternatively in London and Ibadan. The project is expected to continue through 1970. *Provision:* six fellowships, \$18 000.

**14. Education and Training***Training in Epidemiology*

AFRO 188

To assist a selected medical school in the African Region to strengthen the basic medical curriculum in epidemiology and health statistics and post-graduate training. *Provision:* a teacher in health statistics and a teacher in epidemiology, \$32 140; supplies and equipment, \$100.

**15. Other Activities***Medical Literature*

AFRO 35

To purchase medical literature for the use of project staff, or occasionally for governments that request copies of certain publications. *Provision:* \$2000.

## THE AMERICAS

### REGIONAL OFFICE

(See page 308)

*Personnel:* under the regular budget—the Regional Director and fifty-seven staff members (of whom twenty-two are in the professional category); under PAHO funds—the Deputy Director, the Assistant Director, seventy-two professional and 104 general service staff. The provision for temporary staff under the regular budget is the same as for 1966.

*Duty travel:* to enable the Regional Director or his representative to visit ministries of health to discuss matters concerning the planning and execution of health programmes and to review progress; the information officer to review information work in the field; and other senior administrative officers to visit headquarters and zone offices for discussion of administrative, personnel, budgetary and financial problems. The provision is the same as for 1966.

*Other costs:* provision for public information supplies and materials as for 1966.

*Common services:* estimates under the regular budget increased by approximately \$5300 over 1966.

### REGIONAL ADVISERS

(See page 315)

*Personnel:* as for 1966 (see page 315).

*Duty travel:* to evaluate progress, and to discuss and advise on the planning and development of programmes; and to visit medical schools in several countries in order to review activities and provide technical advice. The provision is the same as for 1966.

*Common services:* estimates increased by approximately \$2500 over 1966.

### ZONE OFFICES<sup>1</sup>

(See page 316)

*Personnel:* as for 1966 (see page 316). One post of assistant zone representative in the Mexico Zone Office is financed from the regular budget; all other staff in this and the remaining zone offices, and in the El Paso field office, are financed from PAHO funds.

*Duty travel:* to enable staff to visit and supervise field activities, and consult with government officials on present and future programmes. The provision is the same as for 1966.

*Common services:* estimates under the regular budget maintained at approximately the same level as for 1966.

### ARGENTINA

(See page 320)

#### 1. Malaria

*Eradication Programme (PAHO Special Malaria)*

Argentina 0200

To assist with the eradication programme, which in 1964 was extended to cover a population of 2 738 000. Eradication is expected to be achieved by 1970. By the end of 1964, malaria had been eradicated in an area with 1 021 000 inhabitants; areas with a population of 627 000 were in the consolidation phase; 329 000 in the attack phase, and 761 000 in the preparatory phase. *Provision:* a sanitary engineer and a sanitarian (both continued), \$31 316; supplies and equipment, \$3000.

#### 2. Tuberculosis

*Tuberculosis Control (Regular and PAHO)*

Argentina 0400

To assist the national tuberculosis control centre in the Province of Santa Fé. The centre tests control techniques and procedures, trains personnel, including personnel from other countries, and advises the central and provincial governments on control methods. *Provision:* under the regular budget—consultants, \$10 200; under PAHO—fellowships, \$2800.

<sup>1</sup> Zone I (Office in Caracas)—Venezuela, Jamaica, Trinidad and Tobago, the departments of France in the Americas, Surinam and the Netherlands Antilles, the United Kingdom territories in the Americas (except British Honduras), Puerto Rico and the United States Virgin Islands. Zone II (Office in Mexico, D.F.)—Cuba, Dominican Republic, Haiti and Mexico. Zone III (Office in Guatemala City)—Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, Panama and British Honduras. Zone IV (Office in Lima)—Bolivia, Colombia, Ecuador and Peru. Zone V (Office in Rio de Janeiro)—Brazil. Zone VI (Office in Buenos Aires)—Argentina, Chile, Paraguay and Uruguay.

**3. Leprosy***Leprosy Control*

Argentina 0500

To assist with the leprosy control programme, which began in 1960. It includes case-finding, regular treatment of patients, periodic surveillance of contacts, health education, research, and training of personnel of all levels. Training has also been given to workers from other countries. *Provision*: fellowships, \$2800.

**4. Veterinary Public Health***Rabies Control*

Argentina 0701

To assist with the antirabies campaign, which includes the vaccination of animals and the control of bat vectors. *Provision*: consultants, \$6800.

**5. Public Health Administration***(a) National Health Services (Regular and PAHO)*

Argentina 3100

To provide assistance, including fellowships for training personnel, to the health planning units at federal, inter-provincial and provincial levels. *Provision*: under the regular budget—consultants, \$6800; fellowships, \$2800; under PAHO—a medical officer (continued), \$17 556; consultants, \$6800; fellowships, \$2800.

*(b) Health Services, Tucumán (EPTA-I)*

Argentina 3102

To assist in developing the health services in the Province of Tucumán. The programme, which started in 1964, is planned to last five years. It includes the improvement of environmental conditions, reduction of foetal and infant mortality, control of communicable diseases, health legislation, and training of personnel. Assistance was previously given under this project in carrying out an integrated health programme in the Province of El Chaco. *Provision*: a medical officer, a sanitary engineer and a public health nurse (all continued), \$50 508; fellowships, \$9600.

*(c) Health Services, San Juan and Mendoza (PAHO)*

Argentina 3104

To assist in developing the health services in the Provinces of San Juan and Mendoza. In San Juan a provincial health service has been set up and the province has been divided into five health regions covering twenty-six districts. The health centre hospital (600 beds) in the provincial capital has been remodelled, a training and demonstration centre is being constructed, and improvements have been made in other health services; an intensive training programme for professional and auxiliary personnel is being implemented. In Mendoza the basic studies of the health situation and of health resources have been completed and a programme for training professional and auxiliary personnel is being carried out. *Provision*: a medical officer, a sanitary engineer and a public health nurse (all continued), \$52 730; fellowships, \$8400.

*(d) Research in Public Health (PAHO)*

Argentina 3107

To promote co-ordination of the research carried out by the Ministry of Health with that conducted by other institutions, with a view to drawing up a national research programme covering, among other subjects, Chagas' disease, nutrition, epidemiology of haemorrhagic fever, chronic diseases, industrial hygiene and accidents. *Provision*: consultants, \$5100; fellowships, \$2800.

*(e) National Institute of Microbiology*

Argentina 3301

To assist in raising the scientific level of the National Institute of Microbiology and in improving the services it provides. The Institute, which is the central public health laboratory for Argentina, carries out diagnosis and basic and epidemiological research, and acts as a reference centre for other health laboratories. It manufactures vaccines, sera, etc., and is responsible for the control of biological products manufactured in Argentina or imported. *Provision*: consultants, \$6800; fellowships, \$8400.

*(f) Medical Care Services (PAHO)*

Argentina 4800

To assist with studies on medical care problems and resources, and on the organization of medical care and health establishments and their integration into the general health services; and to train personnel in hospital organization and administration. *Provision*: a nurse (continued), \$13 890; consultants, \$10 200; fellowships, \$7000; supplies and equipment, \$500.

*(g) Fellowships (Regular and PAHO)*

Argentina 3101 and 3103

To train staff for the health services. *Provision*: under the regular budget, \$11 900; under PAHO, \$10 500.

**6. Vital and Health Statistics***(a) Health Statistics (PAHO)*

Argentina 3500

To assist in developing the statistical services and in training personnel. *Provision*: consultants, \$10 200; fellowships, \$7000; supplies and equipment, \$500.

*(b) Training of Statistical Personnel (PAHO)*

Argentina 6700

To assist the School of Public Health of the University of Buenos Aires, which since 1962 has been giving annual nine-month courses in health statistics to about thirty students from departments of biostatistics and hospitals. It is planned to improve the courses by giving further training to teaching staff and organizing demonstration areas, and to make them available to students from other countries. *Provision*: consultants, \$7400; fellowships, \$7000; supplies and equipment, \$500. (Services available under projects AMRO 6708, AMRO 3506 and Argentina 6100 will also be utilized.)

## 7. Nursing

### (a) *Nursing Education* (EPTA-I and PAHO)

Argentina 6300

To assist with a programme of nursing education which includes the establishment of university schools of nursing; the improvement of certain intermediate-level schools; the training of teaching staff in various nursing specialties; the development of courses for auxiliary nurses; the organization of nursing services in hospitals and health centres; in-service training; and the formulation of nursing legislation. Four university schools of nursing and an army school of nursing have been established and studies of nursing needs and resources have been made in ten provinces. *Provision*: under the Expanded Programme—two nurse educators (continued), \$26 214; under PAHO—fellowships, \$7000; supplies and equipment, \$1500.

### (b) *Training of Nursing Personnel* (PAHO)

Argentina 6301

To assist in training auxiliary nursing personnel and in preparing the graduate nurses who train and supervise them. In 1964, a course in teaching and administration was held for nineteen nurse educators, a course in ward management for 160 nurses, and a nine-month training course for 219 nursing auxiliaries. A guide for training auxiliaries was prepared. *Provision*: a nurse educator (continued), \$14 990; fellowships, \$4900; supplies and equipment, \$1000.

## 8. Social and Occupational Health

### *Rehabilitation* (EPTA-I)

Argentina 4801

To assist the technical school of the National Institute of Rehabilitation in organizing intensive courses in physical therapy, prosthesis and orthosis for doctors, technicians and auxiliary workers; and in establishing a prosthetics workshop with teaching and production facilities. *Provision*: a prosthetics technician, \$13 955; consultants, \$10 200; fellowships, \$2800.

## 9. Maternal and Child Health

### *Midwifery Training* (PAHO)

Argentina 4102

To assist in developing short- and long-term programmes to train midwives in nursing and public health; and in organizing post-graduate courses for nurse/midwives and short in-service training courses for midwives in the Provinces of Santa Fé, Córdoba, Tucumán, San Juan and Mendoza and in the city of Buenos Aires. In Tucumán a course for midwives has been organized and the nursing services of the Instituto de Maternidad Mercedes are being reorganized. The next courses will take place in Mendoza and Córdoba. *Provision*: a nurse, \$13 105; consultants, \$4800; fellowships, \$11 200.

## 10. Mental Health

### *Mental Health* (PAHO)

Argentina 4300

To assist the National Institute of Mental Health, which is responsible for preventive work, care of patients, promotion of research, and training of personnel, and which advises and co-ordinates the activities of national, provincial, municipal and private agencies. A pilot training centre is to be set up in the Province of Buenos Aires to train various categories of personnel, including senior professional personnel for administrative, supervisory and teaching posts, public health and psychiatric nurses, and auxiliaries. *Provision*: consultants, \$5100.

## 11. Environmental Health

### (a) *Water Supplies* (PAHO Community Water Supply)

Argentina 2200

To assist in developing and extending water supplies. International loans have been obtained for expansion of water supply systems in the municipalities of Avellaneda and Lanus, and a plan is being prepared for the construction of aqueducts that would provide water supplies for 200 communities with a population of two million. *Provision*: a sanitary engineer (continued), \$20 320.

### (b) *Sanitary Engineering Education* (PAHO)

Argentina 6400

To assist the School of Sanitary Engineering of the University of Buenos Aires, which trains sanitary engineers for public works and health services. It is planned to extend the teaching programme of the school to other fields of environmental sanitation, and to enlarge the scope of its activities to include research, particularly on industrial hygiene and safety. For these purposes full-time teaching staff will be engaged and laboratory and library facilities improved. *Provision*: consultants, \$5100; fellowships, \$4900; supplies and equipment, \$8000; a grant, \$6000.

## 12. Education and Training

### (a) *School of Public Health*

Argentina 6100

To assist the School of Public Health in strengthening its courses and in training personnel already employed in national or provincial health agencies. *Provision*: consultants, \$13 600; fellowships, \$4900; supplies and equipment, \$5000.

### (b) *Medical Education*

Argentina 6200

To assist in improving medical education programmes, and in adjusting them to the major health problems in the country. *Provision*: consultants, \$10 200; fellowships, \$6300.

## BARBADOS

(See page 321)

## 1. Public Health Administration

*Hospital Administration (EPTA-I)*

Barbados 4801

To advise the Board of Management of the new Barbados general hospital (633 beds) that will be used by the University of the West Indies for the training of medical students. *Provision:* a hospital administrator (continued), \$14 324; fellowships, \$3600.

## 2. Nursing

*Nursing Education (PAHO)*

Barbados 6300

To assist in strengthening the School of Nursing, and midwifery and post-basic nursing education in Barbados, particularly in view of the need for nursing staff for the new general hospital. The work is to be carried out through a department of nursing education, which will also co-operate with the Nursing Services Department in improving patient care and clinical practice for student nurses. *Provision:* a nurse educator, \$11 805.

## 3. Environmental Health

*Water Supplies (EPTA-I)*

Barbados 2200

To assist in preparing a programme for the expansion of water services. *Provision:* a sanitary engineer (continued), \$18 653; fellowships, \$4800.

## BOLIVIA

(See page 322)

## 1. Malaria

*Eradication Programme (PAHO Special Malaria)*

Bolivia 0200

To assist with the eradication programme, which is also assisted by UNICEF and the United States Agency for International Development. By the end of 1964, 75 per cent. of the originally malarious area was in the consolidation phase. Some foci of transmission were found and, although they have been brought under control, the period of consolidation will have to be extended in the places concerned. *Provision:* a medical officer and three sanitarians (all continued), \$66 137; supplies and equipment, \$7000.

## 2. Virus Diseases

*Smallpox Vaccination (EPTA-I)*

Bolivia 0300

To assist with a programme, started in 1963, for vaccinating at least 80 per cent. of the population against smallpox. Between the end of August 1963 and the end of 1964 nearly 955 000 persons, mostly from urban areas, were vaccinated. *Provision:* a sanitarian (continued), \$12 603; supplies and equipment, \$2000.

## 3. Public Health Administration

(a) *National Health Services (Regular and PAHO)*

Bolivia 3100

To assist in developing the health services at national and local levels and in training technical and auxiliary personnel. *Provision:* under the regular budget—a nurse (continued), \$11 412; fellowships, \$3500; supplies and equipment, \$1500; under PAHO—a sanitary engineer (continued), \$18 990; fellowships, \$11 900.

(b) *National Plan for Rural Development (EPTA-I)*

Bolivia 3101

To assist, with FAO, ILO and UNESCO, in a programme for promoting the development of the rural communities of the Andean region of Bolivia and integrating them socially and economically into the national life. Since 1954, when the project began, six health centres have been established—two of them in 1964—and a further centre is planned. A small hospital has been built in Otavi with the co-operation of the community. A rural sanitation programme is being carried out with assistance from UNICEF and a plan for training nurse aides and social workers in Pillapi is being drawn up. *Provision:* a medical officer (continued), \$16 346.

(c) *Fellowships*

Bolivia 3102

To train staff for the health services. *Provision:* \$3500.

## 4. Environmental Health

*Water Supplies (PAHO Community Water Supply)*

Bolivia 2200

To assist in the development of water supplies. In 1964, water supply systems were constructed in six communities with a total population of 25 000, and studies were completed for the expansion of the systems in La Paz, Cochabamba and Oruro. Wells have been installed in small rural communities, rural schools and health centres. *Provision:* consultants, \$3400.

## BRAZIL

(See page 322)

## 1. Malaria

- (a) *Eradication Programme* (Regular and PAHO Special Malaria) Brazil 0200

To assist with the eradication programme, covering the whole of Brazil except São Paulo State (see Brazil 0201 below), and which is assisted also by the United States Agency for International Development. By 1964, eight states were under total coverage and some of them were almost ready to enter the consolidation phase. *Provision*: under the regular budget—supplies and equipment \$13 350; under PAHO Special Malaria—a chief country malaria adviser, four medical officers, two sanitary engineers, an administrative methods officer, an assistant engineer and four sanitarians (all continued), \$242 714; fellowships, \$5100; supplies and equipment, \$188 000.

- (b) *Eradication Programme, São Paulo* (PAHO Special Malaria) Brazil 0201

To assist with the eradication programme in the State of São Paulo. The programme, which is assisted also by the United States Agency for International Development, began in 1958. Of the population of the originally malarious area (2 760 000), 2 183 000 are in the consolidation phase. Areas still in the attack phase are on the borders of the States of Paraná, Mato Grosso and Minas Gerais. In 1964 epidemiological operations were increased to provide an adequate case-detection system. *Provision*: a medical officer (continued), \$18 766; supplies and equipment, \$400.

- (c) *Training Centre for Malaria Eradication, São Paulo* (PAHO Special Malaria) Brazil 0202

To assist the malaria eradication training centre, which is part of the School of Hygiene and Public Health of the University of São Paulo, and which trains physicians, engineers and entomologists for the eradication programmes in Brazil and other Latin American countries. *Provision*: a grant, \$25 000. (The international staff of the eradication programme in Brazil assist with the courses given by the centre.)

## 2. Parasitic Diseases

- Bilharziasis* (PAHO) Brazil 0900

To assist in controlling bilharziasis, which is estimated to affect four million persons, principally in the north-east of the country. *Provision*: consultants, \$10 200.

## 3. Virus Diseases

- (a) *Smallpox Eradication* (PAHO) Brazil 0300

To assist in the production of freeze-dried smallpox vaccine for the national eradication campaign. The three laboratories manufacturing vaccine are producing sufficient to meet the needs of the country and to supply some to other countries. *Provision*: consultants, \$3400; supplies and equipment, \$4000.

- (b) *National Virus Laboratory Services* (Regular, EPTA-I and PAHO) Brazil 3301

To assist the virus laboratory of the Oswaldo Cruz Institute, which is carrying out diagnostic and research work and co-operating with the health authorities in virus vaccine studies. *Provision*: under the regular budget—supplies and equipment, \$2000; under the Expanded Programme—a virologist (continued), \$15 847; under PAHO—fellowships, \$3500.

- (c) *Yellow Fever Laboratory* (PAHO) Brazil 3302

To assist the Oswaldo Cruz Institute, which is producing yellow fever vaccine and providing serological and pathological diagnostic services for the continent-wide campaign against yellow fever. *Provision*: a grant, \$8000.

## 4. Veterinary Public Health

- (a) *Rabies Control* Brazil 0701

To assist in planning and carrying out measures for the control of rabies, which is still a very serious public health problem in Brazil; in training laboratory and field personnel; and in improving laboratory services for diagnosis and vaccine production. *Provision*: consultants, \$6800; supplies and equipment, \$2000.

- (b) *Veterinary Medicine Education* (PAHO) Brazil 6500

To assist in developing the teaching of public health in schools of veterinary medicine. *Provision*: consultants, \$3400; fellowships, \$3500; supplies and equipment, \$500.

## 5. Public Health Administration

- (a) *Epidemiology* (PAHO) Brazil 0100

To promote, advise on, and co-ordinate programmes for the control and eradication of communicable diseases; to promote better reporting of communicable diseases; and to advise on problems related to the application of the International Sanitary Regulations. Initially, particular attention will be paid to the smallpox eradication campaign. *Provision*: an epidemiologist (continued), \$19 278.



- (b) *National Health Planning (PAHO)* Brazil 3100  
 To assist in national health planning at the federal and state levels. Preliminary work was carried out during 1963 and 1964; in 1965 a special two-month course in health planning was given for senior health officials of nine north-eastern states. *Provision:* a planning officer, \$13 840; consultants, \$8500; fellowships, \$4900; supplies and equipment, \$500.
- (c) *Health Services, North-eastern States (Regular and PAHO)* Brazil 3101  
 To assist with a general programme for developing the health services in the north-eastern states, in which the various health, sanitation, training and research programmes are being integrated. UNICEF and the United States Agency for International Development are also assisting with the project. *Provision:* under the regular budget—two medical officers and a sanitary engineer (all continued), \$50 744; fellowships, \$14 000; under PAHO—a medical officer, a sanitary engineer, a nurse and a statistician (all continued), \$66 220; fellowships, \$10 500.
- (d) *Health Services, São Paulo (PAHO)* Brazil 3104  
 To assist the state authorities in reorganizing the health services. *Provision:* consultants, \$1700.
- (e) *Medical Care Services (PAHO)* Brazil 4800  
 To assist the Government in the study of medical care, in integrating medical care services as far as possible into the general health services, and in training personnel. *Provision:* a medical officer, \$13 840; fellowships, \$4200.
- (f) *Fellowships* Brazil 3105  
 To train staff for the health services. *Provision:* \$10 500.

## 6. Vital and Health Statistics

- Health Statistics* Brazil 3500  
 To assist in improving vital and health statistics, including hospital statistics, and to promote their use in programme planning and evaluation; to assist in training statistical personnel. By 1964 the establishment of registration areas had been completed in seven states, and the routine collection of vital statistics introduced. Training of personnel in hospital statistics began in 1965. In 1964 and 1965 courses were held on the use of the Portuguese edition of the International Classification of Diseases. *Provision:* a statistician (continued), \$17 821; consultants, \$1700; fellowships, \$15 500; supplies and equipment, \$6500.

## 7. Nursing

- (a) *Nursing (PAHO)* Brazil 3200  
 To assist in improving nursing and midwifery education and services. Activities under the project include an in-service training programme for nurses; the improvement of basic and post-graduate nursing and midwifery education; the study of midwifery problems and needs; and the training of nursing auxiliaries. *Provision:* a nurse and a clerk-stenographer (both continued), \$21 713; fellowships, \$3500; supplies and equipment, \$2000.
- (b) *Nursing Education, Recife* Brazil 6301  
 To assist in developing the School of Nursing of the University of Recife into a regional centre of nursing education. For this purpose the faculty is being strengthened, the curriculum is being revised; short courses for in-service training of nurses are being held; and post-graduate courses to prepare nurses for supervisory, administrative and teaching posts are being organized. *Provision:* a nurse (continued), \$11 593; consultants, \$3400; fellowships, \$3500; supplies and equipment, \$1000.
- (c) *Training of Nursing Auxiliaries (PAHO)* Brazil 6302  
 To provide assistance to schools for nursing auxiliaries; and to assist in preparing graduate nurses as teachers for training programmes and for supervision of nursing services in the states where integrated health service projects are in operation or planned. During 1963 and 1964 assistance was concentrated on the north and north-east; in 1965 and 1966 it will be extended to seven schools in the States of Bahia, Goiás, Minas Gerais and Mato Grosso. *Provision:* a nurse (continued), \$15 190; fellowships, \$3500.
- (d) *Nursing Education, Fortaleza (PAHO)* Brazil 6303  
 To assist the nursing school in Fortaleza in strengthening its basic nursing and midwifery training programme and in organizing a programme of advanced nursing education that will include public health and maternal and child health. The school, which is the only nursing school in the State of Ceará, also serves the States of Piauí and Rio Grande do Norte. *Provision:* a nurse (continued), \$13 893.

## 8. Maternal and Child Health

- Paediatric Education, Recife (PAHO)* Brazil 6202  
 To assist in improving the teaching of paediatrics at the University of Recife Medical School. In addition to the training of undergraduates, the project covers special courses for medical and auxiliary personnel who will be working in the health services of north-east Brazil. *Provision:* fellowships, \$3500; a grant, \$242.

**9. Nutrition****(a) Nutrition** Brazil 4200

To assist programmes for increasing the local production and consumption of protective foods in north-east Brazil, in order to combat malnutrition, which is widespread in the area and which particularly affects mothers and children. Such programmes, combined with nutrition education in the communities, have been in operation in the State of Rio Grande do Norte since 1960 and are being extended to the State of Paraiba. FAO and UNICEF are co-operating in the project. *Provision*: a medical officer (continued), \$18 221; fellowships, \$4900.

**(b) Nutrition Courses (PAHO)** Brazil 4201

To assist the courses for health officials and professors that are organized annually at the Universities of Para, Recife, Minas Gerais, Rio Grande do Sul and São Paulo. These are short intensive courses, in which the emphasis is placed on public health nutrition problems, and their purpose is to bridge the gap while the training of undergraduates in nutrition is being improved. *Provision*: fellowships, \$8400; grants, \$15 000.

**(c) Institute of Nutrition, Recife (PAHO)** Brazil 4203

To assist the Institute of Nutrition of the University of Recife in (i) developing its public health nutrition section, which collaborates with the state health services in planning and evaluating nutrition programmes; (ii) intensifying research on local food and nutrition problems; and (iii) reorganizing its training programmes for various categories of health personnel. *Provision*: a nutrition adviser (continued), \$17 038; fellowships, \$4900; a grant, \$2500.

**10. Environmental Health****(a) Sanitary Engineering (PAHO)** Brazil 2100

To assist in improving environmental sanitation generally. Under this project priority is given to the development of urban and rural water supplies, but assistance is also provided in other fields, such as industrial hygiene and garbage and refuse disposal. *Provision*: a sanitary engineer and a secretary (both continued), \$21 220; consultants, \$1700; fellowships, \$4900.

**(b) Air and Water Pollution Control (EPTA-I)** Brazil 2101

To co-operate with the authorities of São Paulo State in planning and executing water and air pollution control programmes and in making the fullest possible use of the water resources of the region. The project started in 1963. *Provision*: a sanitary engineer (continued), \$15 338; consultants, \$10 200; fellowships, \$4800.

**(c) Water Supplies (PAHO Community Water Supply)** Brazil 2200

To assist in studying water supply problems and in the formulation of plans for financing water supplies. In this programme, loans benefiting nearly 9 000 000 persons in Salvador, the State of Guanabara and five towns in the north-east have been arranged, and others, to benefit about 800 000 persons, are under consideration. *Provision*: consultants, \$3400.

**(d) Institute of Sanitary Engineering (United Nations Special Fund)** Brazil 6400

To assist the Institute of Sanitary Engineering, which is primarily concerned with water, sanitation and related problems in the State of Guanabara. The project provides for increasing the full-time teaching staff of the Institute to 150. Courses in sanitary engineering are being offered to all undergraduate civil engineering students at the University of Rio de Janeiro and the graduate programme is being extended to offer a one-year course in sanitary engineering to about thirty candidates a year. In addition, in-service training is to be provided each year for about fifty employees in the governmental agencies concerned with sanitary engineering, a continuing programme for training technicians is to be conducted, and field studies carried out for interested agencies. *Provision*: a technical adviser (continued), \$17 480; consultants, \$8500; fellowships, \$20 000; supplies and equipment, \$30 000; contractual and other services, \$9800.

**11. Education and Training****(a) School of Public Health, Rio de Janeiro (PAHO)** Brazil 6100

To assist the School of Public Health, Rio de Janeiro. New buildings have been obtained for the school and changes are being made in its administrative structure and organization. It is planned to secure full-time teaching staff, to improve teaching methods, and to reorganize the laboratory and library facilities. *Provision*: consultants, \$17 000; fellowships, \$7000; supplies and equipment, \$6000.

**(b) School of Public Health, São Paulo** Brazil 6101

To assist in strengthening the School of Hygiene and Public Health of the University of São Paulo, with emphasis on its use as an international centre for the training of health workers. *Provision*: a grant, \$6000.

**(c) Medical Education (Regular and PAHO)** Brazil 6200

To co-operate with the schools of medicine and of public health, and with the Pan American Federation of Associations of Medical Schools, in strengthening medical education in the country. *Provision*: under the regular budget—fellowships, \$11 900; supplies and equipment, \$5000; under PAHO—a medical officer (continued), \$18 698; consultants, \$13 600; fellowships, \$30 100.

## BRITISH GUIANA

(See page 324)

## 1. Malaria

*Eradication Programme (PAHO Special Malaria)*

British Guiana 0200

To assist with the eradication programme, which has reached the maintenance phase in the coastal area. In the interior, where a chloroquinized salt programme has been carried out, transmission has been interrupted except in the Rupununi district. Spraying with DDT twice a year has continued in the Lethem area. *Provision*: a sanitarian (continued), \$15 410; consultants, \$1700; supplies and equipment, \$500.

## 2. Public Health Administration

*National Health Services*

British Guiana 3100

To assist in reorganizing and integrating the preventive and curative health services. The project provides for increasing the number of rural health centres and maternal and child health stations, improving and expanding water supply and sewage disposal services, public health laboratory services, mental health services and health education activities. *Provision*: a medical officer and a sanitary engineer (both continued), \$35 399; fellowships, \$3500.

## 3. Nursing

*Nursing Services (EPTA-I and PAHO)*

British Guiana 3200

To assist in developing the nursing services. *Provision*: under the Expanded Programme—consultants, \$6800; under PAHO—fellowships, \$1400.

## BRITISH HONDURAS

(See page 325)

## 1. Malaria

*Eradication Programme (PAHO Special Malaria)*

British Honduras 0200

To assist with the eradication programme, which has reached the consolidation phase. In 1964 some cases were found in the Orange Walk area along the Mexican border; emergency spraying operations were carried out and mass drug treatment was begun. Epidemiological evaluation is being carried out through 127 notification posts. *Provision*: supplies and equipment, \$500.

## 2. Public Health Administration

(a) *Health Services*

British Honduras 3100

To assist in improving the health services. Priority is being given to environmental sanitation and training, the long-term objective being to provide safe water and adequate waste disposal facilities for at least 35 per cent. of the urban population and 25 per cent. of the rural population in five years. A rural sanitation pilot project was started in the Orange Walk district in 1963. *Provision*: a sanitary engineer (continued), \$18 001; fellowships, \$13 300; supplies and equipment, \$1400.

(b) *Fellowships (PAHO)*

British Honduras 3101

To train staff for the health services. *Provision*: \$12 600.

## 3. Nursing

*Nursing Education*

British Honduras 6300

To make a study of nursing needs and resources, and to assist in developing at the Belize School of Nursing a basic education programme which, in addition to the preventive and curative aspects of nursing, will include principles of social and community development. Special attention will be paid to organizing areas for practical work. *Provision*: a nurse educator (continued), \$11 716; fellowships, \$3500; supplies and equipment, \$1000.

## 4. Environmental Health

*Water Supplies (PAHO Community Water Supply)*

British Honduras 2200

To assist in unifying water and sewage services under a central authority and in improving and expanding the water supply system for the city of Belize. Plans are being made for an investigation of ground water sources, a national water and sewage authority is being set up, and a water supply system for Stann Creek has been designed. *Provision*: consultants, \$3400.

## CANADA

(See page 325)

## Public Health Administration

(a) *Consultants in Specialized Fields of Public Health*

Canada 3100

Short-term consultants, to be available as needed to deal with problems in specialized fields of public health. *Provision*: \$3400.

*(b) Fellowships*

Canada 3101

To train staff for the health services. *Provision*: \$10 000.

## CHILE

*(See page 325)*

## 1. Tuberculosis

*Tuberculosis Control (PAHO)*

Chile 0400

To assist in organizing in La Cisterna a tuberculosis control demonstration area, covering an urban population of 200 000, where epidemiological data will be obtained, simple control methods tested, and personnel trained for extension of the programme throughout the country. The project began in September 1964 with a socio-anthropological survey and a prevalence study in ten per cent. of the population of three districts. *Provision*: fellowships, \$3500.

## 2. Venereal Diseases and Treponematoses

*Venereal Disease Control (PAHO)*

Chile 0600

To assist with an intensive programme for the control of venereal diseases, the incidence of which has risen considerably in recent years. *Provision*: consultants, \$3400; fellowships, \$3500.

## 3. Veterinary Public Health

*Veterinary Medicine Education (PAHO)*

Chile 6500

To assist in improving and expanding education in veterinary medicine. *Provision*: consultants, \$8500.

## 4. Public Health Administration

*(a) Health Services (Regular and PAHO)*

Chile 3100

To assist in strengthening the local health services in the area devastated by the 1960 earthquake. The plan drawn up provides for improving the organization and co-ordination of services and the setting-up of new ones, and places particular emphasis on maternal and child health, medical care, environmental sanitation, statistics, nursing and nutrition. *Provision*: under the regular budget—fellowships, \$7000; under PAHO—a PAHO/WHO representative (continued), \$20 852; fellowships, \$7000; supplies and equipment, \$1000.

*(b) Microbiology Centre*

Chile 3301

To assist in setting up a microbiology centre in the Bacteriological Institute of the National Health Service. The functions of the centre will be to promote basic and applied microbiological research, especially in communicable diseases; to train general and specialized microbiologists and health laboratory technicians; to organize and improve regional and local health laboratories, and to provide reference services. *Provision*: consultants, \$5100; fellowships, \$1400.

*(c) Fellowships (Regular and PAHO)*

Chile 3101 and 3102

To train staff for the health services. *Provision*: under the regular budget, \$3500; under PAHO, \$10 500.

## 5. Dental Health

*Dental Education*

Chile 6600

To assist in organizing and carrying out a programme of teaching of preventive and social odontology at the University of Concepción. *Provision*: consultants, \$5100; fellowships, \$1400; supplies and equipment, \$3000.

## 6. Social and Occupational Health

*Institute of Occupational Health (United Nations Special Fund)*

Chile 4601

To assist the Institute of Occupational Health and Air Pollution, which trains professional and technical personnel, undertakes research in industrial hygiene and occupational health, advises the Government and private organizations on industrial and occupational health matters, and advises on labour legislation. *Provision*: consultants, \$6000; contractual and other services, \$4000.

## 7. Chronic and Degenerative Diseases

*Cancer (PAHO)*

Chile 4802

To assist in organizing a centre for cancer detection, diagnosis, treatment and research under the administrative responsibility of the National Health Service and the University of Chile. The activity of the centre will be complemented by subcentres and control programmes in various parts of the country. *Provision*: consultants, \$3400; fellowships, \$2800; supplies and equipment, \$4000; a grant, \$6000.

**8. Health Education***Health Teaching in Schools (PAHO)*

Chile 3400

To assist in developing the teaching of public health and health education in teacher-training schools, so that graduates from those schools may teach the subjects to students in the primary grades. In 1964 the study plan in elementary schools was changed to include principles of health and health education. Health and sanitary conditions in the schools are being improved with assistance from UNICEF. *Provision*: fellowships, \$4900.

**9. Mental Health***Mental Health (PAHO)*

Chile 4300

To support prevalence studies of mental disorders to be carried out in four areas of the country in order to obtain data for planning a national programme of prevention and control. *Provision*: a grant, \$10 000.

**10. Nutrition***Nutrition*

Chile 4200

To assist, together with FAO and UNICEF, an integrated nutrition programme being carried out by the Ministries of Agriculture, Education and Public Health in three northern provinces. The plan of operation, signed in 1960, provides for the nutrition training of health, teaching and agricultural personnel, the promotion of school gardens, school lunch programmes, intensification of health education, and enlistment of community aid. *Provision*: consultants, \$5100; fellowships, \$4900.

**11. Radiation and Isotopes***Training in the Medical Use of Radioisotopes (PAHO)*

Chile 6201

To provide radioisotopes for demonstrating clinical techniques to the students of the Latin American centre set up by the Government for training physicians in the medical use of radioisotopes. Since 1962 the centre has been giving intensive six-month courses each year, with six further months of training for selected participants. *Provision*: supplies and equipment, \$1600.

**12. Environmental Health***(a) Water Supplies (PAHO Community Water Supply)*

Chile 2200

To assist in developing water supplies. The Government has obtained international loans for water supply and sewerage systems for Santiago, Concepción and Talcahuano, to benefit a population of 1 805 000, and for a rural water programme to benefit 300 small communities with a total of 150 000 inhabitants. *Provision*: consultants, \$3400.

*(b) Sanitary Engineering Education*

Chile 6400

To assist the Faculty of Physical Sciences and Mathematics of the University of Chile in providing, in the regular courses of civil engineering, for specialization in sanitary engineering, and in setting up laboratories for teaching and research. As part of the project, an intensive programme has been prepared for training personnel in matters pertaining to water supplies. *Provision*: consultants, \$5100; fellowships, \$6300; supplies and equipment, \$10 000; a grant, \$6000.

**13. Education and Training***(a) School of Public Health*

Chile 6100

To assist in strengthening the teaching at the School of Public Health of the University of Chile and in expanding its facilities for students from other countries. *Provision*: consultants, \$5100; fellowships, \$4900; supplies and equipment, \$1000.

*(b) Medical Education (PAHO)*

Chile 6200

To assist in improving the teaching at the School of Medicine of the University of Chile. *Provision*: consultants, \$5100; fellowships, \$2800; supplies and equipment, \$4000.

**COLOMBIA***(See page 327)***1. Malaria***Eradication Programme (PAHO Special Malaria)*

Colombia 0200

To assist with the eradication programme. By the end of 1964 the population in areas in the consolidation phase was approximately 6 053 000; in the attack phase, 3 154 250; and in untreated areas, 362 000. This represents an increase, compared with 1963, of areas in the consolidation phase, although a small area (50 000 population) in Cartagena regressed to the attack phase. Operations have been intensified in areas where there are technical problems. *Provision*: a medical officer, two sanitary engineers, an entomologist, an assistant entomologist, six sanitarians and an entomological aide (all continued), \$191 227; fellowships, \$3400; supplies and equipment, \$18 000.

## 2. Leprosy

### *Leprosy Control (PAHO)*

Colombia 0500

To assist with the leprosy control programme, in which emphasis is placed on early discovery and treatment of cases. *Provision*: fellowships, \$1400.

## 3. Public Health Administration

### (a) *National Health Services (EPTA-I and PAHO)*

Colombia 3100

To assist in preparing a national health plan, strengthening the Ministry of Health, extending health services to the whole population and training professional and auxiliary personnel. Of the 200 health districts planned, fifty-two have been set up, and by 1967 it is expected to open centres to serve twelve more districts with a population of 1 053 720. The number of hospitals under the Ministry of Health has been increased to 456 and further expansion is planned. *Provision*: under the Expanded Programme—a PAHO/WHO representative, a medical officer, a sanitary engineer and a public health nurse (all continued), \$67 040; consultants, \$8500; under PAHO—an administrative assistant (continued), \$4400; fellowships, \$11 900; supplies and equipment, \$1000; a grant, \$10 000.

### (b) *National Institute of Health (Carlos Finlay) (PAHO)*

Colombia 3301

To assist the yellow fever department of the National Institute of Health. The Institute, which was set up in 1961, prepares yellow fever vaccine and provides it free of charge to other Latin American countries, performs blood tests and histopathological examinations, and carries out epidemiological and ecological tests. *Provision*: consultants, \$6800; fellowships, \$7000; grants, \$25 000.

### (c) *Fellowships (Regular and PAHO)*

Colombia 3101 and 3102

To train staff for the health services. *Provision*: under the regular budget, \$7000; under PAHO, \$23 800.

## 4. Dental Health

### *Dental Education (PAHO)*

Colombia 6600

To assist in establishing a department of preventive and social dentistry in the University of Antioquia. The department, in addition to its teaching responsibilities, will carry out research and serve as a demonstration centre for other faculties. The Kellogg Foundation is providing supplies and equipment and paying part of the staff's salaries. *Provision*: consultants, \$5100; fellowships, \$2800.

## 5. Nutrition

### *Nutrition (PAHO)*

Colombia 4200

To assist, together with FAO and UNICEF, with programmes to raise the level of nutrition of the population and to train nutrition personnel. The project, which started in the Departments of Caldas, Cauca and Norte de Santander, has been extended to the Departments of Antioquia, Boyaca, Huila, Meta and Tolima. *Provision*: fellowships, \$1400; a grant, \$3000.

## 6. Environmental Health

### (a) *Water Supplies (PAHO Community Water Supply)*

Colombia 2200

To provide assistance with the water supply programme, in which the United States Agency for International Development also co-operates. *Provision*: a sanitary engineer (continued), \$19 160; consultants, \$3400.

### (b) *Aedes aegypti Eradication (PAHO)*

Colombia 2300

To assist with the *Aedes aegypti* eradication campaign, which is being continued in Santa Marta, where reinfestation was found late in 1964. *Provision*: a sanitarian (continued), \$13 730.

### (c) *Sanitary Engineering Education (PAHO)*

Colombia 6400

To assist in improving the training of sanitary engineers, in setting up a centre for training and applied research in environmental engineering at the National University of Colombia, and in improving the teaching of sanitary engineering subjects in the regular courses for civil engineers. Short intensive courses on water supplies are being held with the assistance of the United States Agency for International Development. *Provision*: consultants, \$5100; supplies and equipment, \$1500; a grant, \$3000.

## 7. Education and Training

### (a) *School of Public Health*

Colombia 6100

To assist in the development of the School of Public Health of the University of Antioquia. The School opened in February 1964 and at the end of the year had thirteen full-time professors. It offered courses for assistant health administrators, public health nurses, sanitary inspectors and statisticians, and an academic course in public health. *Provision*: consultants, \$20 400; fellowships, \$18 200.

### (b) *Medical Education (PAHO)*

Colombia 6201

To assist with a programme, sponsored by the Ministry of Health and the Association of Colombian Medical Schools, for giving continuous training to physicians from rural areas. The programme will include short courses and distribution of technical publications. *Provision*: a grant, \$10 000.

## COSTA RICA

(See page 328)

## 1. Malaria

*Eradication Programme* (Regular and PAHO Special Malaria)

Costa Rica 0200

To assist with the eradication programme. By the end of 1964, areas with a population of 293 720 were in the consolidation phase; in others, with a population of 129 576, the attack phase was continued. Several outbreaks occurred during 1964 in areas in the consolidation phase. *Provision*: under the regular budget—a medical officer and a sanitarian, \$41 724; under PAHO Special Malaria—two sanitarians (continued), \$27 674; supplies and equipment, \$8000.

## 2. Virus Diseases

*Laboratory for Diagnosis of Virus Diseases*

Costa Rica 3301

To assist in expanding the virology services of the central public health laboratory, particularly as regards diagnosis. *Provision*: consultants, \$5100.

## 3. Public Health Administration

(a) *National Health Services* (EPTA-I and PAHO)

Costa Rica 3100

To assist in formulating and carrying out a national health plan as part of the national plan for social and economic development; in improving and extending health services, including medical care services; in training personnel; and in developing an extensive rural sanitation programme. The project provides also for an antituberculosis campaign, first for two provinces and later for the whole country. *Provision*: under the Expanded Programme—a public health nurse (continued), \$14 014; fellowships, \$4800; under PAHO—a PAHO/WHO representative (continued) and a sanitary engineer, \$34 527; consultants, \$5100; fellowships, \$24 500; supplies and equipment, \$1000.

(b) *Fellowships*

Costa Rica 3101

To train staff for the health services. *Provision*: \$10 500.

## 4. Nursing

*Advanced Nursing Education* (PAHO)

Costa Rica 6300

To assist in establishing at the School of Nursing an advanced education centre for training nurses in teaching, supervision and other specialties; and to evaluate the work of the School, which is to be incorporated into the University of Costa Rica. *Provision*: a nurse educator (continued), \$14 426; fellowships, \$7000.

## 5. Environmental Health

*Water Supplies* (PAHO)

Costa Rica 2200

To assist in developing urban and rural water supplies and sewage disposal facilities. Plans include water supplies and sewerage services for twelve of the main cities, the expansion of the San José system and forty new rural systems. *Provision*: a sanitary engineer (continued), \$19 120.

## CUBA

(See page 329)

## 1. Malaria

*Eradication Programme*

Cuba 0200

To assist with the eradication programme, in which spraying operations were started in 1962. *Provision*: a medical officer and two sanitarians (all continued), \$51 329; supplies and equipment, \$10 000; temporary staff, \$1000.

## 2. Public Health Administration

(a) *Public Health Services* (Regular and EPTA-I)

Cuba 3100

To assist in improving the organization of the health services at all levels and in establishing a demonstration area for training purposes. Particular attention is being paid to maternal and child health services, environmental sanitation, control of communicable diseases, health education, biostatistics, and medical care. *Provision*: under the regular budget—consultants, \$10 200; fellowships, \$20 300; supplies and equipment, \$3000; under the Expanded Programme—a PAHO/WHO representative, a sanitary engineer and two nurses (all continued), \$64 203.

(b) *Fellowships*

Cuba 3101

To train staff for the health services. *Provision*: \$15 400.

**3. Nursing***Nursing Education (EPTA-I)*

Cuba 6300

To assist in strengthening the schools of nursing and in preparing nursing instructors. In 1964 the three-year programme of basic nursing studies was reinstated, and candidates were required to have had seven years of primary and two years of secondary schooling; minimum educational standards for paediatric nurses and for in-service training of nursing auxiliaries were also set up. Five new schools have been established—three for obstetrical nurses, one for paediatric nurses, and one for general nursing studies. In addition to the basic nursing courses, and those for nursing auxiliaries, courses have been given in public health nursing and in nursing education and administration. *Provision*: a nurse educator (continued), \$13 837.

**4. Nutrition***Nutrition (EPTA-I)*

Cuba 4200

To assist, together with FAO and UNICEF, in incorporating nutrition services in the health services, and in training personnel. A department of nutrition is to be set up and nutritionists and dietitians are to be appointed to assist with and supervise regional and district programmes. *Provision*: a medical officer (continued), \$16 284; supplies and equipment, \$1000.

**5. Environmental Health***(a) Water Supplies (PAHO)*

Cuba 2200

To assist in developing the water supply programme for urban and rural areas. *Provision*: consultants, \$5100.

*(b) Aedes aegypti Eradication (PAHO)*

Cuba 2300

To assist in the eradication of *Aedes aegypti*. In 1964 the campaign continued satisfactorily in the Provinces of Pinar del Rio, Havana and Matanzas; it is being intensified and extended to Las Villas, Camagüey and Oriente. *Provision*: a medical officer and three sanitarians (all continued), \$65 550; supplies and equipment, \$20 000; common services, \$750.

**DOMINICAN REPUBLIC***(See page 329)***1. Malaria***Eradication Programme (PAHO Special Malaria)*

Dominican Republic 0200

To assist with the eradication programme, which was resumed in 1962. Changes in the organization and operation made in 1963 enabled the spraying cycles to be carried out on schedule in 1964. *Provision*: a medical officer, a sanitary engineer and two sanitarians (all continued), \$81 727; supplies and equipment, \$3000.

**2. Tuberculosis***Tuberculosis Control (EPTA-I)*

Dominican Republic 0400

To assist with a tuberculosis control programme, the long-term objective of which is to extend simple and inexpensive control measures to the whole country. In September 1964 a pilot project was begun in the San Cristobal health district, to carry out case-finding in groups most exposed to tuberculosis, and tuberculin testing and BCG vaccination of children in primary schools, to make a tuberculosis census and to review existing resources for treatment. *Provision*: a medical officer (continued), \$16 031.

**3. Venereal Diseases and Treponematoses***Yaws Eradication (PAHO)*

Dominican Republic 0600

To assist in the supervision of the combined yaws eradication and smallpox vaccination programme, which has been taken over by the general health services. The separate yaws eradication campaign was completed in 1963. *Provision*: a medical officer, who also serves project Dominican Republic 3100 (continued), \$18 278.

**4. Public Health Administration***Public Health Services (Regular, EPTA-I and PAHO)*

Dominican Republic 3100

To assist in improving and extending the health services at the national and regional levels. A national health plan for the years 1963-72 has been drawn up, providing for the establishment of six regional centres, ninety-five district centres and sixty-two health posts, and the reorganization of the thirty-three hospitals. The project is assisted also by UNICEF and the United States Agency for International Development. *Provision*: under the regular budget—a statistician (continued), \$12 471; fellowships, \$11 900; under the Expanded Programme—a nurse (continued), \$14 584; under PAHO—a PAHO/WHO representative and a nurse (both continued) and an administrative methods officer, \$45 347; fellowships, \$27 300.

**5. Dental Health***Dental Education*

Dominican Republic 6600

To assist in strengthening dental education, and especially the preventive and social aspects. *Provision*: consultants, \$3400.



**6. Nursing***Nursing Education*

Dominican Republic 6300

To assist the National School of Nursing to prepare nurses for the faculty, improve the facilities for field practice and expand the curriculum to include the teaching of public health nursing and courses in teaching and supervision. Plans have been made to give more emphasis to teaching related to maternal and child health, communicable diseases and the integration of health services. *Provision*: a nurse educator (continued), \$16 972; consultants, \$6800; fellowships, \$7000.

**7. Nutrition***Nutrition (PAHO)*

Dominican Republic 4200

To assist in a programme of nutrition education designed to improve the production, distribution and use of foods. *Provision*: a medical officer, \$13 340; fellowships, \$8400.

**8. Environmental Health***(a) Water Supplies (PAHO)*

Dominican Republic 2200

To assist in improving and extending water supplies. It is planned to improve fifteen aqueducts and to construct three new systems in urban areas. International loans have been obtained for fifteen localities in this connexion, and also for a study of the water distribution system in Santo Domingo. The Government has set up a National Institute for Water Supplies and Sewage Disposal. *Provision*: a sanitary engineer (continued), \$18 278.

*(b) Aedes aegypti Eradication (PAHO)*

Dominican Republic 2300

To assist with the *Aedes aegypti* eradication campaign. *A. aegypti* has been eliminated from many cities, but tests made in 1962 confirmed the existence throughout the country of strains resistant to chlorinated hydrocarbon insecticides. Studies being made in Jamaica are expected to indicate which insecticides would be suitable for replacement. *Provision*: a medical officer (continued) and a sanitarian, \$25 653.

**9. Education and Training***Medical Education*

Dominican Republic 6200

To assist the Faculty of Medicine of the University of Santo Domingo in reorganizing its administrative and teaching programmes, with emphasis on the teaching of preventive medicine. *Provision*: consultants, \$10 200.

**ECUADOR***(See page 331)***1. Malaria***Eradication Programme (EPTA-I and PAHO Special Malaria)*

Ecuador 0200

To assist with the eradication programme, which is also assisted by UNICEF and the United States Agency for International Development. Of the population of the originally malarious area (2 652 000), 1 052 900 are in the consolidation phase. Special attack measures are being taken in the northern part of the country, where problem areas have been found. *Provision*: under the Expanded Programme—a medical officer (continued), \$21 870; under PAHO Special Malaria—a medical officer and three sanitarians (all continued), \$66 324; supplies and equipment, \$8000.

**2. Bacterial Diseases***Plague Control (EPTA-I and PAHO)*

Ecuador 0900

To assist with a plague control programme. The incidence of plague is reported to be rising, the provinces mainly affected being Manabí, Chimborazo, Loja and El Oro. *Provision*: under the Expanded Programme—a medical officer (continued), \$16 065; under PAHO—consultants, \$6800.

**3. Public Health Administration***(a) National Health Services (Regular, EPTA-I and PAHO)*

Ecuador 3100

To assist in providing integrated health services for the whole country, in accordance with a ten-year health plan. To provide the necessary experience, a demonstration area is being set up in the Province of Manabí. A four-year plan has been made for the area, providing for the setting-up and reorganization of health centres and health posts, and for the development of services for maternal and child health, environmental sanitation, statistics, medical care, nutrition, nursing, health education and communicable disease control. *Provision*: under the regular budget—a medical officer, a sanitary engineer, a public health nurse and two sanitarians (all continued), \$74 201; fellowships, \$7000; under the Expanded Programme—a PAHO/WHO representative (continued), \$19 817; under PAHO—an administrative methods officer (continued), \$13 893; fellowships, \$18 200.

*(b) Rural Medical Services (PAHO)*

Ecuador 3102

To assist, with FAO, ILO, UNESCO and UNICEF, in a programme for promoting the development of the rural communities of the Andean region of Ecuador and integrating them socially and economically into the national life. The programme covers ninety-six communities, and activities, which include medical care, nutrition and sanitation, are carried out through nine mobile teams and health posts. *Provision*: a medical officer (continued), \$21 127; fellowships, \$7000.

(c) *National Institute of Health (PAHO)* Ecuador 3301  
 To assist the National Institute of Health, which carries out research on the epidemiology and control of communicable diseases, produces biologicals, and is responsible for the control of biological products manufactured in the country or imported. *Provision:* consultants, \$10 200; fellowships, \$2800.

(d) *Fellowships (PAHO)* Ecuador 3101  
 To train staff for the health services. *Provision:* \$19 600.

#### 4. Nursing

*Nursing Education (Regular and PAHO)* Ecuador 6300  
 To assist in reorganizing and modernizing the School of Nursing of the University of Guayaquil and possibly that of the University of Quito. *Provision:* under the regular budget—a nurse educator (continued), \$11 955; under PAHO—fellowships, \$7000.

#### 5. Nutrition

*National Institute of Nutrition (PAHO)* Ecuador 4200  
 To assist the National Institute of Nutrition, which carries out programmes of applied nutrition and research on subjects such as new sources of protein, etiological factors of malnutrition and treatment of under-nourished children, and trains personnel. The project started in 1950. *Provision:* fellowships, \$14 700 (in addition to the services of the nutrition adviser assigned to project AMRO 4204).

#### 6. Environmental Health

*Water Supplies (PAHO)* Ecuador 2200  
 To assist in developing water supplies. International loans have been obtained for supplies to benefit 458 000 persons in Quito and eighteen other cities. *Provision:* consultants, \$5100.

### EL SALVADOR

(See page 331)

#### 1. Malaria

*Eradication Programme (Regular and PAHO Special Malaria)* El Salvador 0200  
 To assist with the eradication programme. In 1964, positive blood smears were found in five departments in the north where malaria transmission had been thought to be interrupted. In the three eastern provinces where spraying operations were continued, but which had no antimalarial drug distribution programme, the number of positive blood smears increased during the year; whereas in the six departments in the coastal area, where spraying was combined with antimalarial drug distribution, positivity fell sharply. In a large area of the country there are problems due to the resistance of the vector to insecticides, migratory movements of population, and the open construction and temporary nature of much of the housing. *Provision:* under the regular budget—two medical officers and three sanitarians (all continued), \$93 245; under PAHO—an entomological aide (continued), \$19 487; fellowships, \$4300; supplies and equipment, \$10 000.

#### 2. Public Health Administration

(a) *National Health Services (EPTA-I and PAHO)* El Salvador 3100  
 To assist in implementing a ten-year plan for improving the preventive and curative health services and training personnel. Work under this plan, which follows the demonstration projects started in 1951 and the expansion of rural health services started in 1960, began in 1964. *Provision:* under the Expanded Programme—a public health nurse (continued), \$16 716; fellowships, \$19 200; under PAHO—a medical officer (continued), \$20 552; consultants, \$5100; fellowships, \$13 300; supplies and equipment, \$500.

(b) *Fellowships* El Salvador 3101  
 To train staff for the health services. *Provision:* \$3500.

#### 3. Environmental Health

*Water Supplies (PAHO)* El Salvador 2200  
 To assist in developing water supplies. An international loan has been approved for the expansion and improvement of water supply systems for thirty-eight urban areas with a population over 2000 and for sixty-one areas with a population of less than 2000, for aqueducts to supply 100 rural areas, and for sewerage systems for eight villages. *Provision:* a sanitary engineer (continued), \$19 120.

## FRENCH ANTILLES AND GUIANA

(See page 332)

## 1. Malaria

*Eradication Programme* (PAHO Special Malaria)

French Antilles and Guiana 0200

To assist with the eradication programme, which began in 1949, and which is now linked with the programme for the eradication of *Aedes aegypti* (see project French Antilles and Guiana 2300 below). After a considerable reduction in malaria cases during the first years the incidence again rose, and there are problem areas along the Brazil and Surinam borders and in some coastal districts west of Cayenne. *Provision*: supplies and equipment, \$2000 (in addition to the services of the zone advisory team).

## 2. Public Health Administration

*Fellowships* (EPTA-I and PAHO)

French Antilles and Guiana 3101 and 3102

To train staff for the health services. *Provision*: under the Expanded Programme, \$3600; under PAHO, \$3500.

## 3. Environmental Health

*Aedes aegypti Eradication* (EPTA-I)

French Antilles and Guiana 2300

To continue assistance to the *Aedes aegypti* eradication campaign. In 1963 Cayenne was found to be reinfested, and the mosquito is resistant to DDT and dieldrin. Resistance to DDT has also been found in Guadeloupe and there, and in St Martin, progress has been slow. Infestation in Martinique is low, except in Fort-de-France. *Provision*: a sanitarian (continued), \$11 513. (The medical officer assigned to project AMRO 2301 also helps with this project.)

## GUATEMALA

(See page 332)

## 1. Malaria

*Eradication Programme* (PAHO Special Malaria)

Guatemala 0200

To assist with the eradication programme. Malaria incidence rose between 1963 and 1964, owing to increased resistance of the vector to insecticides, population movements and an increase in housing of open or temporary construction, and some areas in the consolidation phase were returned to the attack phase. At the end of 1964 there were about 1 056 700 persons in areas in the consolidation phase, and 861 900 in areas still in the attack phase. Distribution of antimalarial drugs was carried out in some areas. *Provision*: three sanitarians (all continued), \$43 542; fellowships, \$1700; supplies and equipment, \$15 000.

## 2. Veterinary Public Health

*Veterinary Medicine Education* (PAHO)

Guatemala 6500

To assist the School of Veterinary Medicine and Zootechnics of the University of San Carlos (the only veterinary school in Central America) in incorporating basic public health instruction into the curriculum and in strengthening the other departments directly concerned with preventive medicine and food hygiene. Also, to give specialized training to the school's instructors and to strengthen its teaching programme. *Provision*: consultants, \$3400; fellowships, \$3500; supplies and equipment, \$300.

## 3. Public Health Administration

(a) *National Health Services* (Regular and PAHO)

Guatemala 3100

To assist in formulating and carrying out a national health plan for extending health services to the whole country and training personnel. *Provision*: under the regular budget—a PAHO/WHO representative, a sanitary engineer and a sanitarian (all continued), \$51 968; fellowships, \$7000; supplies and equipment, \$500; under PAHO—fellowships, \$9800.

(b) *Public Health Laboratories* (EPTA-I)

Guatemala 3300

To assist the central public health laboratories and the Institute of Biology. *Provision*: a laboratory adviser (continued), \$17 180; fellowships, \$4800.

## 4. Environmental Health

(a) *Rural Sanitation* (EPTA-I)

Guatemala 2101

To assist with a programme for providing, by 1974, water supplies for a rural population of about 1 773 500, and sewage disposal systems for over 350 000 houses. *Provision*: a sanitary engineer (continued), \$17 180; fellowships, \$4800.

(b) *Water Supplies* (PAHO Community Water Supply)

Guatemala 2200

To assist in developing and improving water supply and sewage disposal systems. International loans have been obtained for Puerto Barrios (population 120 000) and for completion of technical plans for expansion of the water supply system of Guatemala City. *Provision*: consultants, \$5100.

## HAITI

(See page 333)

## 1. Malaria

*Eradication Programme (PAHO Special Malaria)*

Haiti 0200

To assist with the eradication programme, which is assisted also by UNICEF and the United States Agency for International Development. Following an evaluation in February 1965, it was decided to continue total coverage spraying with DDT once a year in areas where transmission of malaria still continued (population 1 492 000) and to distribute antimalarial drugs to 574 000 people in those areas. In other areas, with a population of about 1 539 600, it was considered sufficient to maintain intensified passive surveillance and case investigation, with focal attack measures where required. *Provision:* a medical officer, an epidemiologist, a sanitary engineer and four sanitarians (all continued), \$112 111; supplies and equipment, \$15 000.

## 2. Venereal Diseases and Treponematoses

*Yaws Eradication*

Haiti 0600

To assist with the combined yaws eradication and smallpox vaccination campaign. From January to August 1964 only thirteen confirmed cases of yaws were found and in the first nine months of that year 293 441 persons were vaccinated against smallpox, bringing to 847 109 the total vaccinated since the campaign began in July 1962. *Provision:* consultants, \$3400.

## 3. Public Health Administration

*(a) National Health Services (EPTA-I and PAHO)*

Haiti 3100

To assist in developing integrated health services at national and local levels and in training personnel. Under this project a demonstration area has been set up in Archaie, in which particular attention is directed to maternal and child health, environmental sanitation, and training. Three health units, to serve a population of 170 000, are to be opened. *Provision:* under the Expanded Programme—a medical officer, a sanitary engineer and a nurse (all continued), \$53 902; supplies and equipment, \$200; under PAHO—a secretary (continued), \$2763; fellowships, \$4900.

*(b) Public Health Laboratory (PAHO)*

Haiti 3300

To assist in strengthening and expanding the services of the public health laboratory and in establishing three branch laboratories. Also to help to reorganize the hospital and dispensary laboratories in the area damaged by hurricane "Flora"; to train personnel; and to carry out limited epidemiological investigations. *Provision:* consultants, \$3400; fellowships, \$4900.

*(c) Fellowships (Regular and PAHO)*

Haiti 3101 and 3102

To train staff for the health services. *Provision:* under the regular budget, \$7000; under PAHO, \$4900.

## 4. Nutrition

*Nutrition Programme (PAHO)*

Haiti 4200

To assist with an integrated nutrition programme, in which priority is being given to nutrition of children of pre-school age. In 1964 two nutrition rehabilitation centres, one of which operates on a voluntary basis, were opened for children suffering from serious malnutrition. *Provision:* a nutrition adviser (continued), \$18 320; fellowships, \$12 600; supplies and equipment, \$500.

## 5. Environmental Health

*Water Supplies (PAHO and PAHO Community Water Supply)*

Haiti 2200

To assist in improving and expanding water supplies. In 1964 an international loan was obtained for the construction of the first part of a water supply system for Port-au-Prince and a central water authority for the city was established. *Provision:* under PAHO—a sanitary engineer (continued), \$17 278; under PAHO Community Water Supply—consultants, \$3400.

## HONDURAS

(See page 334)

## 1. Malaria

*Eradication Programme (Regular and PAHO Special Malaria)*

Honduras 0200

To assist with the eradication programme, which is assisted also by UNICEF and the United States Agency for International Development. A review of the malaria situation in 1965 resulted in reversion to the attack phase of some areas in the consolidation phase. However, there was progress in all areas continuously under DDT spraying, and malaria transmission was interrupted in some areas where the vector was partially resistant to DDT. It is planned to increase the number of information posts in the areas in the consolidation phase. Spraying with malathion has been carried out since 1963 in the area in the southern coastal plain where transmission persists, and, since June 1965 mass drug treatment has been instituted. *Provision:* under the regular budget—a medical officer and a sanitarian, \$42 637; under PAHO Special Malaria—a sanitarian (continued), \$13 607; supplies and equipment, \$10 000.

**2. Public Health Administration****(a) National Health Services (EPTA-I and PAHO)**

Honduras 3100

To assist in implementing a five-year health plan that was drawn up in 1964 and that provides for the organization and consolidation of seven health districts, integration of hospitals and health centres, increased out-patient care, with reduction of the average hospital stay by 30 per cent., and training of personnel. It is expected that 75 per cent. of the population will be covered by health services by the end of 1967. *Provision:* under the Expanded Programme—a PAHO/WHO representative, a sanitary engineer and a public health nurse (all continued), \$51 395; supplies and equipment, \$500; under PAHO—supplies and equipment, \$1000.

**(b) Fellowships (Regular and PAHO)**

Honduras 3101 and 3102

To train staff for the health services. *Provision:* under the regular budget, \$7000; under PAHO, \$14 000.

**3. Nursing****Nursing Education (PAHO)**

Honduras 6300

To assist in setting up a national school of nursing to provide basic training and training in nursing education, administration and supervision. Eventually the school will be made part of the National University. *Provision:* a nurse educator, \$11 805.

**4. Environmental Health****Water Supplies (PAHO and PAHO Community Water Supply)**

Honduras 2200

To assist in developing water supplies. International loans have been obtained for expansion of the Tegucigalpa water system and for rural water systems for eighty communities. In 1964, three rural aqueducts were completed and study of six other projects was begun. In addition, a two-year programme and a loan proposal were drawn up for eighty-seven small communities with a total population of about 47 400. *Provision:* under PAHO—consultants, \$5100; under PAHO Community Water Supply—consultants, \$3400.

**JAMAICA***(See page 334)***1. Public Health Administration****Public Health Services (Regular and PAHO)**

Jamaica 3100

To assist in planning and implementing a programme for the improvement of the public health services, including medical care, control of communicable diseases, and environmental sanitation. *Provision:* under the regular budget—a PAHO/WHO representative (continued), \$18 154; fellowships, \$12 600; under PAHO—fellowships, \$7700; supplies and equipment, \$200.

**2. Nursing****(a) Nursing Education (PAHO)**

Jamaica 6300

To assist in improving basic nursing education in the schools of nursing and in organizing short post-basic courses for instructors and supervisors. In 1964 two workshops were held for twenty officers of staff committees which advise on in-service nursing education, and recommendations were made on the planning of nursing units and on the preparation of staff for a survey of the Montego Bay area to provide information for planning a new hospital. *Provision:* a nurse educator (continued), \$14 890; fellowships, \$3500.

**(b) Advanced Nursing Education, University of the West Indies**

Jamaica 6301

To assist in preparing nurses in the area served by the University of the West Indies for leading posts in nursing education, administration and supervision. *Provision:* a nurse educator (continued), \$13 193; fellowships, \$7000.

**3. Mental Health****Mental Health (PAHO)**

Jamaica 4300

To assist in preparing a national mental health programme, integrated into the general health services, that will include curative and preventive services and training of personnel. *Provision:* consultants, \$10 200; fellowships, \$3500.

**4. Environmental Health****Rural Water Supplies (EPTA-I)**

Jamaica 2200

To assist the Ministry of Local Government and the Ministry of Health with a rural water programme to cover the smaller water schemes which, owing to financial and staffing difficulties, have in the past been given lower priority than the major water systems being developed under the National Water Authority. Plans for the first three years of the project cover the construction of forty-two new systems and the improvement of thirty-four existing systems in thirteen island parishes. *Provision:* a sanitary engineer (continued), \$17 180.

## 5. Education and Training

*Department of Preventive Medicine, University of the West Indies (Regular and PAHO)*

Jamaica 6201

To assist in strengthening the teaching of social and preventive medicine and of public health concepts in the undergraduate medical curriculum of the Department of Social and Preventive Medicine, University of the West Indies. Also, as from 1965, to assist in teaching medical statistics in the medical school. *Provision:* under the regular budget—a statistician (continued), \$16 438; under PAHO—fellowships, \$4900.

## MEXICO

(See page 335)

### 1. Malaria

(a) *Eradication Programme (EPTA-I and PAHO Special Malaria)*

Mexico 0200

To assist with the eradication programme, for which a further plan, covering six years, has been drawn up. Areas with a population of 12 700 000 are in the consolidation phase, but transmission of malaria persists in others with a population of 4 300 000. A pilot project, covering 220 000 people, is to be implemented in these areas, in which the effect of various measures will be studied. *Provision:* under the Expanded Programme—two medical officers, a sanitary engineer and a sanitarian (all continued), \$73 669; under PAHO Special Malaria—a chief country malaria adviser and a sanitarian (both continued), \$32 395; fellowships, \$3400; supplies and equipment, \$37 000; common services, \$850.

(b) *Eradication in Problem Areas (PAHO Special Malaria)*

Mexico 0201

To assist the Government with the additional measures needed to interrupt transmission of malaria in the problem areas (population 4 300 000) where this cannot be achieved by DDT spraying alone. *Provision:* a grant, \$75 000. (Technical advice will be provided by the personnel assigned to project Mexico 0200.)

### 2. Tuberculosis

*Tuberculosis Control (Regular and EPTA-I)*

Mexico 0400

To assist with a tuberculosis control pilot project in Querétaro, where the national tuberculosis control campaign has carried out prevalence studies. Prevalence studies will continue in the pilot area, which has a rural and urban population of 212 000, personnel will be trained, and simple and cheap control measures, suitable for local conditions, will be carried out. Also to assist with the BCG vaccination campaign carried out by the national tuberculosis control campaign, the aim of which is to vaccinate 1 800 000 children of pre-school and school age each year. *Provision:* under the regular budget—a medical officer (continued), \$17 397; fellowships, \$6300; supplies and equipment, \$100; under the Expanded Programme—fellowships, \$3600.

### 3. Veterinary Public Health

*Veterinary Medicine Education*

Mexico 6500

To assist the School of Veterinary Medicine of the University of Mexico in expanding and strengthening its teaching and research departments and in providing specialized training for teaching staff. FAO is co-operating in this project. *Provision:* consultants, \$6800; fellowships, \$3500.

### 4. Public Health Administration

(a) *State Health Services*

Mexico 3101

To assist in improving the organization and co-ordination of national, regional and local health services and in training personnel. In 1964, 414 health centres were opened, bringing the total to 2427; the number of hospital beds was increased by nearly 1500, and smallpox, poliomyelitis, BCG, diphtheria, pertussis and tetanus vaccinations were carried out. Over 470 persons were trained in twenty-three courses. *Provision:* a PAHO/WHO representative, a sanitary engineer and a sanitarian (all continued), and two public health nurses (one continued), \$83 348; fellowships, \$7000; supplies and equipment, \$600.

(b) *Fellowships (Regular and PAHO)*

Mexico 3102 and 3103

To train staff for the health services. *Provision:* under the regular budget, \$7000; under PAHO, \$10 500.

### 5. Nursing

*Nursing Education (PAHO)*

Mexico 6300

To assist in preparing graduate nurses as instructors for schools of nursing and for training auxiliary nursing personnel. Between 1958 and 1964, 127 instructors, fifty-six nursing administrators and 1121 auxiliaries were trained. *Provision:* three nurse educators (two continued), \$40 785; fellowships, \$7000; supplies and equipment, \$200.

### 6. Social and Occupational Health

*Industrial Hygiene (PAHO)*

Mexico 4600

To assist the Government in developing industrial hygiene and occupational health programmes. *Provision:* consultants, \$1700.

**7. Nutrition***Nutrition (EPTA-I)*

Mexico 4200

To assist in improving the nutritional status of the population and in training nutrition personnel. Nutrition and dietary surveys have been made, and pilot projects set up in some rural areas. *Provision*: fellowships, \$4800.

**8. Environmental Health***(a) Water Supplies (Regular and PAHO)*

Mexico 2200

To assist in developing water supply and sewage disposal systems. By the end of 1964, urban water supply systems for forty-two communities had been completed and twenty-three, to serve a population of 2 000 000, were under construction. For the rural areas, forty-nine systems had been completed and thirteen more were under construction, to serve a total population of about 69 000. Ten sewerage systems had also been constructed. *Provision*: under the regular budget—fellowships \$5600; under PAHO—a sanitary engineer (continued), \$19 620.

*(b) Sanitary Engineering Education (Regular and PAHO)*

Mexico 6400

To assist the School of Sanitary Engineering of the University of Mexico and the University of Nuevo León in organizing post-graduate courses for engineers who wish to specialize in sanitary engineering and short courses for professionals working in public works and health agencies. It is expected to train twenty-five engineers annually in regular courses and seventy-five in short intensive courses, and to train 400 civil engineers in sanitary engineering. *Provision*: under the regular budget—fellowships, \$7000; under PAHO—a sanitary engineer (continued), \$16 866; supplies and equipment, \$3000.

**9. Education and Training***(a) School of Public Health*

Mexico 6100

To assist in strengthening and expanding the teaching programme of the School of Public Health of the University of Mexico. In 1964 the School organized eleven-month courses in public health administration, sanitary engineering, environmental sanitation, nutrition and statistics. *Provision*: consultants, \$3400; fellowships, \$3500.

*(b) Medical Education*

Mexico 6200

To assist medical schools in improving their curricula and teaching methods and to provide training for teaching staff. Special attention is given to improving the teaching of preventive medicine. *Provision*: consultants, \$5100; fellowships, \$7000.

## NETHERLANDS ANTILLES

*(See page 336)***Public Health Administration***Fellowships (Regular and PAHO)*

Netherlands Antilles 3101 and 3102

To train staff for the health services. *Provision*: under the regular budget, \$3500; under PAHO, \$3500.

## NICARAGUA

*(See page 337)***1. Malaria***Eradication Programme (Regular and PAHO Special Malaria)*

Nicaragua 0200

To assist with the eradication programme, which by the end of 1964 had reached the consolidation phase in areas with a population of 695 000. In the same year spraying was continued in areas with a population of 207 800 and mass drug treatment in areas with a population of 28 000. There were still 740 000 persons living in areas where malaria transmission continued but which had not been properly treated. Although in 1964 the number of positive blood smears dropped slightly in the areas in the attack phase, it rose considerably in areas in the consolidation phase. A plan has been drawn up for an intensified attack on the problem areas, using additional measures that have given good results in limited trials. *Provision*: under the regular budget—two medical officers, a sanitary engineer and an entomologist (all continued), \$83 560; under PAHO Special Malaria—three sanitarians (continued), \$42 928; fellowships, \$1700; supplies and equipment, \$9000.

**2. Public Health Administration***Public Health Services (Regular, EPTA-I and PAHO)*

Nicaragua 3100

To assist in improving and extending the health services for which a national health plan, covering ten years, was in the final stages of preparation at the end of 1964. *Provision*: under the regular budget—a PAHO/WHO representative (continued), \$22 593, consultants, \$1700; fellowships, \$3500; under the Expanded Programme—a sanitary engineer and a public health nurse (both continued), \$32 458; supplies and equipment, \$400; under PAHO—fellowships, \$9800.

### 3. Environmental Health

*Water Supplies* (PAHO and PAHO Community Water Supply)

Nicaragua 2200

To assist in implementing a programme to provide potable water to 70 per cent. of the urban population and half the rural population within ten years. A loan has been obtained for the improvement of the Managua water supply system and a plan for sixty-five rural communities with a population of 67 000 has been completed. *Provision*: under PAHO—consultants, \$5100; under PAHO Community Water Supply—consultants, \$5100.

## PANAMA

(See page 337)

### 1. Malaria

*Eradication Programme* (PAHO Special Malaria)

Panama 0200

To assist with the eradication programme, which is in the attack phase. *Provision*: two sanitarians (continued), \$28 288; supplies and equipment, \$8000.

### 2. Public Health Administration

(a) *National Health Services* (EPTA-I and PAHO)

Panama 3100

To assist in implementing the seven-year national health plan, which was prepared in 1963 as part of the plan for social and economic development. The medical care and preventive medicine services have been integrated, the Department of Health has been reorganized, eight health centres, complemented by mobile units, have been opened, and personnel have been trained. Special attention is being paid to water supply, sewage disposal and food control; in this connexion it is aimed to install 250 wells and 1500 latrines a year. *Provision*: under the Expanded Programme—a PAHO/WHO representative and a sanitary engineer (both continued), \$40 372; supplies and equipment, \$400; under PAHO—fellowships, \$14 000; supplies and equipment, \$600.

(b) *Fellowships*

Panama 3101

To train staff for the health services. *Provision*: \$17 500.

### 3. Dental Health

*Dental Education*

Panama 6600

To assist the new School of Dentistry of the University of Panama in drawing up a curriculum that will include the social and preventive aspects of dentistry. *Provision*: consultants, \$5100.

### 4. Environmental Health

*Water Supplies* (PAHO and PAHO Community Water Supply)

Panama 2200

To assist in implementing a programme to provide water supplies to 90 per cent. of the urban population and half the rural population by 1972. The United States Agency for International Development and the Inter-American Development Bank are co-operating in the project. *Provision*: under PAHO—consultants, \$6800; under PAHO Community Water Supply—consultants, \$3400.

## PARAGUAY

(See page 338)

### 1. Malaria

*Eradication Programme* (PAHO Special Malaria)

Paraguay 0200

To assist with the eradication programme. Spraying operations were started in October 1957 but were suspended in March 1961, pending further epidemiological and entomological studies to obtain a better knowledge of the distribution and epidemiological characteristics of malaria in the country. These have indicated that almost the entire inhabited area of Paraguay is malarious and that *Anopheles darlingi* is the main vector. A new eradication plan has been drawn up and geographical reconnaissance operations started in 1965. *Provision*: a malaria adviser, a sanitary engineer and three sanitarians (all continued), \$75 921; fellowships, \$1700; supplies and equipment, \$3500.

### 2. Leprosy

*Leprosy Control* (PAHO)

Paraguay 0500

To assist with a leprosy programme which includes case-finding, treatment of patients, supervision of contacts and rehabilitation, and which is to be integrated progressively into the general health services. *Provision*: fellowships, \$5600.



### 3. Public Health Administration

#### (a) National Health Services (EPTA-I)

Paraguay 3100

To assist in improving and extending the health services. In 1965 and 1966 particular attention is being paid to environmental sanitation, including water supplies, to control of communicable diseases, reduction of infant mortality, improvement of statistics and training of health personnel. Health services are to be provided for newly settled areas in the Departments of Caaguazú and Alto Paraná. At the beginning of 1965 the country was divided into five health regions, with seventy-two health centres, three maternal and child health centres, 115 health posts and six hospitals. *Provision:* a PAHO/WHO representative, a sanitary engineer, a public health nurse, a nurse/midwife and a statistician (all continued), \$77 693; fellowships, \$4800; supplies and equipment, \$1000.

#### (b) Fellowships (Regular and PAHO)

Paraguay 3101 and 3102

To train staff for the health services. *Provision:* under the regular budget, \$7000; under PAHO, \$13 300.

### 4. Nutrition

#### Nutrition (PAHO)

Paraguay 4200

To assist with the development of applied nutrition programmes. *Provision:* fellowships, \$3500.

### 5. Environmental Health

#### Water Supplies (PAHO Community Water Supply)

Paraguay 2200

To assist with a programme for developing and improving water supplies. The immediate objective is the provision of supplies to serve three of the larger cities, twelve smaller towns, and a rural population of 66 200. UNICEF and the United States Agency for International Development are co-operating in the project. *Provision:* consultants, \$3400.

## PERU

(See page 339)

### 1. Malaria

#### Eradication Programme (PAHO Special Malaria)

Peru 0200

To assist with the eradication programme. By the end of 1964 the maintenance phase had been reached in areas with a population of 42 800; areas with a population of 2 204 000 were in the consolidation phase, and areas with a population of 1 045 500 in the attack phase. Blood smear examinations showed 0.2 per cent. positive in the consolidation phase areas and 0.53 per cent. in the attack phase areas. None were found positive in areas in the maintenance phase. During 1964 the programme was reorganized and steps were taken to provide for greater participation of the general health services in case-detection. *Provision:* a medical officer and three sanitarians (all continued), \$66 124; supplies and equipment, \$10 000.

### 2. Bacterial Diseases

#### Plague Control (Regular and PAHO)

Peru 0900

To assist in implementing a plague control programme and in planning a study of the underlying factors influencing the occurrence and persistence of plague in northern Peru. In 1964 the Governments of Peru and Ecuador signed an agreement for a joint programme for plague control in the two countries. *Provision:* under the regular budget—a sanitarian (continued), \$10 000; under PAHO—consultants, \$3400.

### 3. Veterinary Public Health

#### Veterinary Medicine Education

Peru 6500

To assist the Faculty of Veterinary Medicine of the University of San Marcos in improving teaching methods and in organizing a department of veterinary public health. *Provision:* consultants, \$5100; fellowships, \$3500.

### 4. Public Health Administration

#### (a) National Health Services (EPTA-I and PAHO)

Peru 3100

To assist in improving the health services at national, regional and local levels and in developing health areas, beginning with the Junín area. A five-year plan has been drawn up for the Junín area and programmes in training, environmental sanitation, communicable disease control, medical care, maternal and child health and applied nutrition have started. *Provision:* under the Expanded Programme—a medical officer, a sanitary engineer and a public health nurse (all continued), \$46 233; under PAHO—consultants, \$5100.

#### (b) Andean Region Development Programme (EPTA-I)

Peru 3102

To assist, with FAO, ILO, UNESCO and UNICEF, in a programme for promoting the development of the rural communities of the Andean region of Peru and integrating them socially and economically into the national life. Assistance to this project is being provided by staff assigned to other projects. *Provision:* duty travel, \$1500.

#### (c) Fellowships (Regular and PAHO)

Peru 3101 and 3103

To train staff for the health services. *Provision:* under the regular budget, \$9800; under PAHO, \$23 100.

**5. Dental Health***Dental Education (PAHO)*

Peru 6600

To assist the Faculties of Odontology of Lima and Ica. *Provision:* consultants, \$3400.

**6. Nursing***Nursing Education (Regular and PAHO)*

Peru 6300

To assist the schools of nursing of the University of San Marcos and of three other universities in strengthening basic nursing programmes and in organizing courses for preparing nursing instructors. *Provision:* under the regular budget—two nurse educators (continued), \$28 404; under PAHO—consultants, \$10 200; fellowships, \$10 500; supplies and equipment, \$1500.

**7. Nutrition***Nutrition (PAHO)*

Peru 4200

To co-operate in pilot nutrition projects and to assist in training dietitians for hospitals and health centres. *Provision:* a public health nutritionist, \$11 805.

**8. Environmental Health***Water Supplies (EPTA-I and PAHO Community Water Supply)*

Peru 2200

To assist in extending and improving water supply and sewage disposal systems. International loans have been obtained for Lima and Arequipa, where work has already started, and for rural water supplies to serve a number of communities. *Provision:* under the Expanded Programme—a sanitary engineer (continued), \$17 039; under PAHO—consultants, \$10 200.

**9. Education and Training***(a) School of Public Health (PAHO)*

Peru 6100

To assist the School of Public Health (formerly the Personnel Training Centre of the Ministry of Public Health), which trains professional, technical and auxiliary personnel for the public health services. *Provision:* consultants, \$10 200; fellowships, \$4900.

*(b) Medical Education (PAHO)*

Peru 6200

To assist the five faculties of medicine in Peru in improving administration and the teaching of basic sciences and preventive medicine. *Provision:* fellowships, \$7000.

**SURINAM***(See page 340)***1. Malaria***Eradication Programme (PAHO Special Malaria)*

Surinam 0200

To assist with the eradication programme, which began in 1958. Transmission has been interrupted in the coastal area, where 80 per cent. of the population live. It is still high in the interior, where adequate coverage has not been obtained, owing in part to population movements and the people's unwillingness to permit spraying. Spraying is continuing and health education is being intensified in this part of the country. *Provision:* a medical officer, a health educator, a malaria eradication specialist and two sanitarians (all continued), \$91 780; fellowships, \$1700; supplies and equipment, \$5000; common services, \$700.

**2. Public Health Administration***(a) Health Services (PAHO)*

Surinam 3100

To assist the Government in developing the health services. *Provision:* consultants, \$6800; fellowships, \$2800.

*(b) Fellowships (PAHO)*

Surinam 3101

To train staff for the health services. *Provision:* \$3500.

**3. Environmental Health***(a) Water Supplies (PAHO and PAHO Community Water Supply)*

Surinam 2200

To assist in developing rural water supplies, which in the past have been given comparatively low priority owing to financial difficulties and shortage of technical staff. The Ministry of Public Works and Traffic will undertake the building of deep wells, and the Ministry of Health will be responsible for water quality control and for the operation and maintenance of the systems. *Provision:* under PAHO—consultants, \$3400; fellowships, \$3500; under PAHO Community Water Supply—consultants, \$3400.

*(b) Aedes aegypti Eradication (EPTA-I)*

Surinam 2300

To assist with the *Aedes aegypti* eradication campaign. Perifocal treatment of Paramaribo and its suburbs started in June 1963 and in 1964 was extended to the international airport, the maritime port and Albino on the border of French Guiana. The *Aedes aegypti* index has dropped from 70 per cent. in 1960 to 14.5 per cent. in Paramaribo. Susceptibility tests show resistance to DDT and HCH and rising tolerance to dieldrin in *A. aegypti* in Paramaribo. *Provision:* a sanitarian (continued), \$14 374.

## TRINIDAD AND TOBAGO

(See page 340)

## 1. Public Health Administration

- (a) *Laboratory Services* (PAHO) Trinidad and Tobago 3300  
To assist in developing the laboratory services. *Provision*: fellowships, \$3500.
- (b) *Hospital Administration and Medical Records* (EPTA-I) Trinidad and Tobago 4800  
To assist the government hospitals of Port of Spain and San Fernando, which provide clinical training for the medical students of the University of the West Indies, in improving their administration, in organizing a medical records system, and in training staff in techniques and procedures. *Provision*: a hospital administrator (continued), \$15 870; fellowships, \$3600.
- (c) *Fellowships* (Regular and PAHO) Trinidad and Tobago 3102 and 3103  
To train staff for the health services. *Provision*: under the regular budget, \$10 500; under PAHO, \$7000.

## 2. Nursing

- Nursing Services* (PAHO) Trinidad and Tobago 3200  
To assist in strengthening the curative and public health nursing services. *Provision*: consultants, \$6800; fellowships, \$6300.

## 3. Nutrition

- Nutrition* (PAHO) Trinidad and Tobago 4200  
To assist in combating malnutrition. A nutrition centre has been set up to provide training in applied nutrition and to carry out applied research programmes. Nutrition programmes are being implemented in twenty-two schools and ten health centres and are to be extended. *Provision*: a public health nutritionist (continued), \$12 436; fellowships, \$1400.

## 4. Environmental Health

- Water Supplies* (PAHO Community Water Supply) Trinidad and Tobago 2200  
To assist in carrying out a country-wide survey of water sources; in setting up a central water board; and in drawing up plans for water systems and applications for financing. *Provision*: a sanitary engineer (continued), \$17 778.

## UNITED STATES OF AMERICA

(See page 341)

## 1. Public Health Administration

- (a) *Consultants in Specialized Fields of Public Health* United States 3100  
Short-term consultants to be available as needed, to deal with problems in specialized fields of public health. *Provision*: \$15 300.
- (b) *Fellowships* (Regular and PAHO) United States 3101 and 3103  
To train staff for the health services. *Provision*: under the regular budget, \$10 000; under PAHO, \$25 000.

## 2. Environmental Health

- Aedes aegypti Eradication* (PAHO) United States 2300  
To assist in developing the *Aedes aegypti* eradication campaign and in co-ordinating it with those in the Caribbean area. The campaign started in 1964 in Florida, Texas, Puerto Rico and the Virgin Islands and is to be extended later to Arkansas, South Carolina, Georgia and other states bordering the Gulf of Mexico. *Provision*: a medical officer (continued), \$17 278.

## 3. Education and Training

- Medical and Public Health Training* (PAHO) United States 3102  
Training grants to enable officials of the United States Public Health Service to visit the countries of origin of fellows studying in the United States of America in order to acquaint themselves with conditions and problems so as to be able to plan more effective training programmes. *Provision*: \$5000.

## URUGUAY

(See page 341)

## 1. Parasitic Diseases

- Chagas' Disease* (EPTA-I) Uruguay 0900  
To assist with a programme for controlling the vector of Chagas' disease. About 500 000 persons are exposed to the disease, and about 50 000 are infected. *Provision*: consultants, \$3400; supplies and equipment, \$20 000.

**2. Leprosy***Leprosy Control*

Uruguay 0500

To assist with a leprosy control programme aimed at discovering at least 80 per cent. of cases and keeping them under treatment and surveillance until their physical and social stabilization is achieved, and keeping at least 80 per cent. of their contacts under periodic surveillance. *Provision:* fellowships, \$1400.

**3. Veterinary Public Health***Veterinary Medicine Education*

Uruguay 6500

To assist in improving the teaching of preventive medicine and public health in the School of Veterinary Medicine of the University of the Republic by providing additional training for graduate veterinarians and developing scientific research. *Provision:* consultants, \$3400; fellowships, \$4900; supplies and equipment, \$500.

**4. Public Health Administration***(a) National Health Services (EPTA-I and PAHO)*

Uruguay 3100

To assist in developing the health services and in training personnel. The project began in 1955 in five departments and is being extended to eight more. A national plan for reorganizing and building hospitals has been drawn up and surveys on housing, water supply, sewage and garbage disposal, medical care, provision of health services and nutritional status of the population have been carried out. Training of personnel has been intensified, and short courses have been held in nursing, industrial health, nutrition and clinical and social paediatrics. *Provision:* under the Expanded Programme—a PAHO/WHO representative (continued), \$18 579; under PAHO—a public health nurse (continued), \$14 490; supplies and equipment, \$500.

*(b) Medical Care and Hospital Administration (EPTA-I and PAHO)*

Uruguay 4800

To assist in improving the organization and administration of the medical care services of the Ministry of Public Health. *Provision:* under the Expanded Programme—a medical officer (continued), \$13 227; fellowships, \$9600; supplies and equipment, \$400; under PAHO—consultants, \$6800; fellowships, \$14 700.

*(c) Fellowships (Regular and PAHO)*

Uruguay 3101 and 3102

To train staff for the health services. *Provision:* under the regular budget, \$7000; under PAHO, \$2800.

**5. Vital and Health Statistics***Health Statistics*

Uruguay 3500

To assist in improving the collection, processing and publication of statistics of births, deaths, morbidity, resources of manpower and facilities, and of health services; and to train statistical personnel through intermediate and high-level courses. *Provision:* consultants, \$1700.

**6. Dental Health***Dental Education (PAHO)*

Uruguay 6600

To assist in strengthening dental public health programmes and social and preventive dentistry in the national dental school. *Provision:* consultants, \$3400; fellowships, \$1400.

**7. Chronic and Degenerative Diseases***Chronic Diseases (PAHO)*

Uruguay 4801

To assist in developing programmes in the field of chronic diseases. *Provision:* consultants, \$5100; fellowships, \$3500.

**8. Radiation and Isotopes***Radiation Protection*

Uruguay 4500

To assist in the development of programmes for protection against radiation and in training personnel in the handling of radioisotopes. *Provision:* consultants, \$5100; fellowships, \$4900; supplies and equipment, \$250.

**9. Environmental Health***Water Supplies (PAHO Community Water Supply)*

Uruguay 2200

To assist in developing water supplies. An international loan has been obtained for a water treatment plant at Montevideo, which will benefit 1 200 000 people. *Provision:* consultants, \$3400.

**10. Education and Training****(a) Training of Health Personnel (PAHO)**

Uruguay 6100

To assist the School of Health of the Ministry of Health, which is responsible for organizing the training of professional and auxiliary personnel for the government health services. The project provides for revision of curricula and improvement of services in nursing and obstetrics; organizing courses in nursing supervision and administration, maternal and children health courses for nurses and midwives, and courses for auxiliary nurses; strengthening the Dr Carlos A. Nery School of Nursing; improving nursing services used for clinical practice; and organizing courses for sanitarians and other technical personnel employed by the Ministry of Health. *Provision*: a nurse, \$11 805; consultants, \$6800; fellowships, \$2800; supplies and equipment, \$1000.

**(b) Medical Education (PAHO)**

Uruguay 6200

To assist in improving the teaching of medicine at the University of the Republic, particularly the teaching of preventive medicine and the basic medical sciences. *Provision*: consultants, \$5100; fellowships, \$5600; supplies and equipment, \$250.

**VENEZUELA***(See page 343)***1. Bacterial Diseases****Diarrhoeal Diseases (PAHO)**

Venezuela 0902

To assist with surveys to follow up the work of the WHO Diarrhoeal Diseases Advisory Team, which carried out various studies of diarrhoeal diseases in Venezuela in 1964-65. *Provision*: consultants, \$1700.

**2. Virus Diseases****National Institute of Hygiene (PAHO)**

Venezuela 3301

To assist the National Institute of Hygiene, particularly the Virus Section, which produces virus vaccines and carries out research, including the isolation and typing of influenza viruses. *Provision*: consultants, \$1700; fellowships, \$1400.

**3. Public Health Administration****(a) Consultant Services in Health (Regular and PAHO)**

Venezuela 3100

To assist in developing local health services, in accordance with a long-term health plan, and in training key personnel. The Ministry of Health has instituted a scheme of "simplified medicine", operated by auxiliary personnel, for remote rural districts. *Provision*: under the regular budget—consultants, \$6800; under PAHO—consultants, \$8500.

**(b) Medical Care Services**

Venezuela 4800

To assist in making studies to improve the efficiency of the medical care services; in improving and expanding training courses in hospital administration and organization at the School of Public Health; and in organizing pilot projects in regional hospitals. The pilot projects include hospital organization, integration of medical care, and public health activities and training. *Provision*: a medical officer (continued), \$18 699; fellowships, \$3500.

**(c) Fellowships (Regular and PAHO)**

Venezuela 3101 and 3102

To train staff for the health services. *Provision*: under the regular budget, \$10 500; under PAHO, \$21 700.

**4. Nursing****Nursing Education (EPTA-I and PAHO)**

Venezuela 6300

To assist in organizing post-basic courses in nursing administration and education in the School of Public Health and in-service training in supervision for nurses who do not have full high-school education. *Provision*: under the Expanded Programme—consultants, \$10 200; fellowships, \$9600; under PAHO—fellowships, \$7000.

**5. Social and Occupational Health****(a) Industrial Hygiene (PAHO)**

Venezuela 4600

To advise on problems of industrial hygiene, train staff, and advise on protection against the toxic effects of insecticides. *Provision*: consultants, \$1700; fellowships, \$1400.

**(b) Rehabilitation**

Venezuela 4801

To assist with a rehabilitation programme. The Government is extending its rehabilitation services, formerly confined mainly to locomotor problems of leprosy patients, to cover a number of diseases, mental illness and sensorial and speech defects. A national institute of rehabilitation is to be set up and a course for training physical therapists is to be organized. *Provision*: a physical therapist and an occupational therapist (both continued), \$31 092.

## 6. Mental Health

### *Mental Health (EPTA-I and PAHO)*

Venezuela 4300

To assist the Government in making a study of the country's mental health problems and evaluating the mental health services and resources. The information obtained will be used for planning a long-term national programme covering medical care and rehabilitation, training, research, and measures for preventing mental illness. *Provision*: under the Expanded Programme—two public health nurses (continued), \$23 519; under PAHO—fellowships, \$4900.

## 7. Nutrition

### *Nutrition Programme (PAHO)*

Venezuela 4200

To assist in training personnel for improving and expanding the nutrition programme. *Provision*: a nutritionist, \$11 805; fellowships, \$6300.

## 8. Environmental Health

### (a) *Environmental Sanitation (PAHO)*

Venezuela 2100

To assist the Government in improving the collection and disposal of refuse in various cities and to advise on the design and construction of incinerators for refuse disposal in Caracas. *Provision*: consultants, \$3400; fellowships, \$1400.

### (b) *Water Supplies (Regular, PAHO and PAHO Community Water Supply)*

Venezuela 2200

To assist the National Institute of Sanitary Works, which is carrying out an extensive urban water supply programme financed through international loans. Water supplies have already been provided to about 75 per cent. of the urban population. Loans for constructing water systems for forty-eight towns have been obtained, and twenty systems had been built by September 1964. Expansion of the Caracas and Maracaibo water systems is planned. *Provision*: under the regular budget—consultants, \$8500; fellowships, \$3500; under PAHO—an administrative methods officer, \$11 805; fellowships, \$7000; under PAHO Community Water Supply—consultants, \$17 000.

### (c) *Aedes aegypti Eradication (PAHO)*

Venezuela 2300

To assist in eradicating *Aedes aegypti*. The campaign began in 1958 but work has been delayed by the presence of strains resistant to chlorinated hydrocarbon insecticides and reinfestation of areas that had been considered negative. By October 1964 about 180 800 square kilometres, with a population of 3 600 000, had been freed from *A. aegypti*, leaving 36 200 square kilometres, with a population of 1 823 000, in which the campaign must be completed. *Provision*: a medical officer and a sanitarian (both continued), \$35 960.

### (d) *Rural Housing*

Venezuela 2400

To advise the Government on the planning and execution of the sanitary engineering aspects (including water supplies and sewage disposal) of its rural housing programme, which provides for the construction of about 12 000 housing units a year. *Provision*: a planning specialist (continued), \$20 058; fellowships, \$2800.

### (e) *Sanitary Engineering Education (United Nations Special Fund)*

Venezuela 6400

To assist in developing training in sanitary engineering as part of the civil engineering curricula in four universities (Central, Zulia, Los Andes and Catholic) in order to provide personnel for the development of water and sewerage systems and other environmental sanitation work. Also to help to set up a sanitary engineering research centre at the Central University and to provide laboratory facilities in the other three universities. The project includes short courses in specific subjects for engineers. The plan of operation was signed in November 1964; a project manager has been appointed and the first short course has been held. *Provision*: a chief technical adviser, a laboratory adviser, and three professors of sanitary science (all continued), \$88 895; consultants, \$6800; fellowships, \$13 750; supplies and equipment, \$3500; contractual and other services, \$4950.

## 9. Education and Training

### (a) *School of Public Health*

Venezuela 6100

A long-term programme for improving and expanding the curricula of the School of Public Health of the Central University, which serves as the post-graduate school of the Faculty of Medicine. The first stage covers assistance in health education and assistance in nutrition is to be given as from 1966. *Provision*: a nutrition educator (continued), \$18 538; fellowships, \$3500.

### (b) *Medical Education (PAHO)*

Venezuela 6200

To assist in applying the recommendations and decisions arising out of the survey of medical education carried out in 1963 and the second seminar on medical education held in 1964. *Provision*: a medical educator (continued), \$16 778; fellowships, \$6300.

## WEST INDIES

(See page 344)

### 1. Public Health Administration

#### (a) *Training in Hospital Administration, Eastern Caribbean (EPTA-I)*

West Indies 4802

To assist in strengthening the administration of the hospitals on ten islands of the eastern Caribbean. These hospitals have a total of 3610 beds and serve a population of 690 500. *Provision*: a training officer, \$9860; fellowships, \$18 000.

#### (b) *Fellowships (Regular and PAHO)*

West Indies 3101 and 3102

To train staff for the health services. *Provision*: under the regular budget, \$16 800; under PAHO, \$8400.

**2. Nursing****(a) Nursing Services**

West Indies 3200

To assist in improving nursing services in Barbados, St Lucia, Dominica, Montserrat, St Vincent, Antigua and St Kitts. The islands have been divided into health areas, in each of which a public health nurse will develop the training programme and supervise the work of the district nurse/midwives. Their duties are being broadened to include more health teaching and preventive work such as immunizations and child health supervision. *Provision:* a nurse (continued), \$13 014; consultants, \$5100; fellowships, \$3500.

**(b) Nursing Education (PAHO)**

West Indies 6300

To help in assessing nursing training and nursing resources in the United Kingdom territories of the Caribbean and in formulating a long-term plan for improving nursing education; and to examine the possibility of setting up a regional body with authority to recognize training, so that nursing diplomas may be valid throughout the area. *Provision:* a nurse educator (continued), \$16 990; consultants, \$3400; fellowships, \$3500; seminars, \$4000.

**3. Environmental Health****Water Supplies (EPTA-1)**

West Indies 2200

To assist in preparing designs for water improvement schemes in the British Virgin Islands and St Kitts-Nevis-Anguilla. Assistance has already been provided for this purpose to Montserrat, St Lucia and Dominica and was to be extended in 1965 to Barbados, Grenada, Antigua, St Vincent and Tobago. Later, advice will be given on construction, operation and maintenance of water supplies. *Provision:* consultants, \$40 800.

**INTER-COUNTRY PROGRAMMES***(See page 345)***1. Malaria****(a) Technical Advisory Services, Inter-zone (PAHO Special Malaria)**

AMRO 0200

To provide assistance on problems of malaria eradication programmes, and help in promoting the participation of the general health services in these programmes. *Provision:* a medical officer, an entomologist, two administrative officers and a clerk-typist (all continued), \$92 162; consultants, \$23 800; temporary advisers, \$15 000; fellowships, \$25 000; publications (guides and manuals), \$10 000; supplies and equipment, \$1000; common services, \$1000; contractual services, \$300.

**(b) Technical Advisory Services, Zone I (PAHO Special Malaria)**

AMRO 0201

To assist in the solution of problems of malaria eradication in the zone and to review the progress of work of the malaria projects in the Caribbean. *Provision:* a laboratory adviser (continued), \$15 050; supplies and equipment, \$600.

**(c) Technical Advisory Services, Zone IV (PAHO Special Malaria)**

AMRO 0204

To advise the countries of Zone IV on their eradication programmes. The malaria adviser assigned to this project also serves as the chief country malaria adviser to Colombia. *Provision:* a zone malaria adviser (continued), \$27 816.

**(d) Seminar on the Role of Health Services in Malaria Eradication Programmes (PAHO Special Malaria)**

AMRO 0211

To review the results of the seminars, held in 1964 and 1965, on the role of local health services in malaria eradication and to explore the possibility of expanding the eradication programmes into full local health services. *Provision:* attendance of participants, \$80 000; seminar costs, \$16 208.

**(e) Advanced Courses in Malaria Epidemiology (PAHO Special Malaria)**

AMRO 0214

To train personnel for the direction of malaria eradication programmes in problem areas. *Provision:* fellowships, \$25 000; course costs, \$10 000.

**(f) Development of Rural Malaria Eradication Programmes into General Health Services (PAHO Special Malaria)**

AMRO 0215

To assist countries in developing their malaria eradication services into general health services. *Provision:* a medical officer, \$21 000.

**(g) Research into the Epidemiology of Malaria Eradication in Problem Areas (PAHO Special Malaria)**

AMRO 0216

To test various methods, including larviciding and medicated salt programmes, for expediting the eradication of malaria from problem areas where routine methods have not secured the interruption of transmission. *Provision:* consultants, \$68 000; contractual services, \$40 000.

**(h) Field Investigation of Mass Drug Treatment (PAHO Special Malaria)**

AMRO 0217

To carry out, in pilot areas, field investigations of mass drug treatment as a means of eradicating malaria. *Provision:* consultants, \$17 000; grants, \$33 000.

**2. Tuberculosis****(a) Tuberculosis Control, Inter-zone**

AMRO 0400

To assist countries in expanding tuberculosis services and improving techniques for diagnosis, treatment and prevention, and to obtain up-to-date epidemiological information on tuberculosis. *Provision:* a community development specialist, \$11 709; consultants, \$10 200.

- (b) *Tuberculosis Control, Zone III (PAHO)* AMRO 0403  
To assist the countries of Zone III with their tuberculosis control programmes by training national personnel in new techniques and procedures and making surveys of the tuberculosis situation. *Provision*: a medical officer (continued), \$18 278; supplies and equipment, \$100.
- (c) *Tuberculosis Control, Zone IV* AMRO 0404  
To assist the countries of Zone IV in the planning and execution of their tuberculosis control programmes. Pilot projects are in progress in Tacna (Peru) and in part of the Department of La Paz (Bolivia), and another has been planned for Junín (Peru). *Provision*: a medical officer and a public health nurse (both continued), \$31 604.
- 3. Venereal Diseases and Treponematoses**
- Yaws Eradication and Venereal Disease Control, Inter-zone (Regular and PAHO)* AMRO 0600  
To assist in carrying out studies on the status of the yaws eradication programmes in the Region; to advise the agencies responsible for venereal disease control; and to train specialized personnel. *Provision*: under the regular budget—a medical officer (continued), \$17 284; under PAHO—a laboratory technician (continued), \$15 066; consultants, \$10 200; supplies and equipment, \$3000; a grant, \$3000.
- 4. Bacterial Diseases**
- (a) *Plague Control, Inter-zone* AMRO 0900  
To assist countries in developing or reorganizing their plague control programmes and in carrying out epidemiological studies of plague. *Provision*: consultants, \$6800.
- (b) *Plague Control Seminar* AMRO 0907  
To review problems of plague control. Participants in the seminar will come from Argentina, Bolivia, Brazil, Ecuador, Peru, the United States of America, and Venezuela. *Provision*: consultants, \$3400; attendance of participants, \$6592; supplies and equipment, \$1000; duty travel, \$2092.
- 5. Parasitic Diseases**
- (a) *Parasitic Diseases (PAHO)* AMRO 0107  
To assist countries in carrying out surveys and epidemiological studies of parasitic diseases and in developing control programmes. *Provision*: a parasitologist (continued), \$17 464.
- (b) *Bilharziasis (PAHO)* AMRO 0901  
To assist countries in planning and developing bilharziasis control programmes and in planning research on bilharziasis; also to support the Schistosomiasis Snail Identification Centre for the Americas, Belo Horizonte, Brazil, which carries out the identification of snail intermediate hosts of bilharziasis, and research and training. *Provision*: consultants, \$10 200; a grant, \$1000.
- (c) *Chagas' Disease (PAHO)* AMRO 0902  
To assist countries in appraising the Chagas' disease problem, in planning and developing control programmes, in training personnel and in research for the improvement and standardization of diagnostic procedures. *Provision*: consultants, \$3400; grants, \$4500.
- 6. Virus Diseases**
- (a) *Smallpox Eradication (PAHO)* AMRO 0300  
To assist countries in the organization and development of smallpox vaccination campaigns, and in the testing of vaccines. *Provision*: consultants, \$5100; supplies and equipment, \$1000; grants and other, \$1000.
- (b) *Course on Virological Diagnosis of Smallpox* AMRO 0308  
To train personnel in the techniques of isolation and typing of smallpox virus. *Provision*: consultants, \$3400; fellowships, \$33 600.
- 7. Leprosy**
- (a) *Leprosy Control, Inter-zone (PAHO)* AMRO 0500  
To assist countries in improving their leprosy control programmes. *Provision*: a medical officer (continued), \$17 556; consultants, \$8500; supplies and equipment, \$1000.
- (b) *Leprosy Control, Zone IV* AMRO 0504  
To assist the countries of Zone IV with their leprosy control programmes. The programme in Colombia (see project Colombia 0500) is the most advanced; that in Ecuador, which is assisted by UNICEF, started in May 1963; Bolivia and Peru are carrying out studies to determine the extent of the problem and a plan for a programme has been drawn up for the Department of Santa Cruz in Bolivia. *Provision*: a medical officer (continued), \$20 982.
- (c) *Leprosy Control, Zone VI* AMRO 0506  
To assist the programmes in operation in Argentina and Paraguay, and in assessing the magnitude of the leprosy problem in Uruguay. *Provision*: a leprosy adviser (continued), \$16 753.
- (d) *Course on Leprosy Deformities (Rehabilitation and Prevention)* AMRO 0507  
To provide training on the use of non-surgical methods in the prevention of deformities and the physical rehabilitation of leprosy patients. The course will be organized in collaboration with the Government of Venezuela and held in the Caracas-Maracay area. *Provision*: consultants, \$15 300; fellowships, \$14 000; supplies and equipment, \$2500.



- (e) *Seminar on Leprosy Control* AMRO 0508

To consider the administration of national and local leprosy control programmes, and compare results obtained with theoretical expectations following the 1963 seminar. *Provision:* consultants, \$10 200; attendance of participants, \$22 500; temporary staff, \$8900; supplies and equipment, \$5650; duty travel, \$7460.

## 8. Veterinary Public Health

- (a) *Pan American Zoonoses Centre (EPTA-I and PAHO)* AMRO 0700

To continue the technical services of the Pan American Zoonoses Centre—information, advisory services, training and laboratory work—and field surveys, demonstration programmes and investigations. The salaries of the non-professional local personnel and the operating costs of the Centre are borne by the Government of Argentina, and certain other costs by the United States Public Health Service. *Provision:* under the Expanded Programme—a chief of laboratory, a zoonoses specialist and an administrative officer (all continued), \$54 403; consultants, \$3400; under PAHO—the Director of the Centre, a veterinarian and a zoonoses specialist (all continued), \$59 292; consultants, \$3400; supplies and equipment, \$14 411; grants and other, \$22 915.

- (b) *Rabies Control, Zone I* AMRO 0701

To assist countries with epidemiological studies of rabies in wild animal species, in developing and testing new vaccines and other methods of rabies control, and in training laboratory personnel in new diagnostic techniques. *Provision:* consultants, \$3400; supplies and equipment, \$2000.

- (c) *Veterinary Public Health, Zone III* AMRO 0703

To assist in promoting the integration of veterinary public health programmes into the public health services, and the adoption of adequate veterinary public health legislation; in planning, developing and evaluating programmes for the control and eradication of animal diseases communicable to man, and especially of rabies; in improving the sanitary inspection of foods of animal origin; and in training public health veterinary personnel. *Provision:* a public health veterinarian (continued), \$20 465; fellowships, \$3500; participants, \$4730.

- (d) *Seminar on Rabies Control* AMRO 0709

To discuss the findings of the WHO Expert Committee on Rabies that met in 1965 and the revised rabies laboratory manual that is being published by the Organization. *Provision:* consultants, \$5100; attendance of participants, \$16 100; supplies and equipment, \$1350; duty travel, \$5594.

- (e) *Pan American Foot-and-Mouth Disease Centre (Organization of American States/Technical Co-operation Programme)* AMRO 0800

The centre advises on the prevention, diagnosis and control of foot-and-mouth disease and related diseases, trains field and laboratory personnel, provides virus-typing and diagnostic services, and carries out research. It was established in 1951 in Rio de Janeiro and is financed by funds from the Programme of Technical Co-operation of the Organization of American States, with assistance from the Government of Brazil. *Provision:* personnel, \$610 200; fellowships, \$21 302; supplies and equipment, \$133 742; contractual and other services, \$108 207.

- (f) *Veterinary Medicine Education* AMRO 6500

To assist schools of veterinary medicine in their teaching of public health. *Provision:* consultants, \$6800.

- (g) *Seminar on Veterinary Medical Education* AMRO 6507

To enable teachers of preventive medicine and public health in schools of veterinary medicine to review the latest information on subject presentation, use of biomedical aids in teaching, and other teaching methods. *Provision:* consultants, \$6800; attendance of participants, \$11 790; supplies and equipment, \$3000; temporary staff, \$945; duty travel, \$2045.

## 9. Public Health Administration

- (a) *Epidemiology*

- (i) *Zone I (PAHO)* AMRO 0101

To assist the countries and territories of Zone I in making surveys and improving the reporting of communicable diseases; in developing control programmes, including immunization programmes, as part of the routine activities of the health departments; and in training staff. *Provision:* an epidemiologist (continued), \$17 556.

- (ii) *Zone II (PAHO)* AMRO 0102

To promote, advise on, and co-ordinate programmes for the control and eradication of communicable diseases; to promote better reporting of these diseases; and to advise on problems related to the application of the International Sanitary Regulations. *Provision:* an epidemiologist (continued), \$20 120; supplies and equipment, \$100.

- (iii) *Zone III (PAHO)* AMRO 0103

A project similar to AMRO 0102 above. *Provision:* an epidemiologist (continued), \$19 278; supplies and equipment, \$100.

- (iv) *Zone IV (PAHO)* AMRO 0104

A project similar to AMRO 0102 above. *Provision:* an epidemiologist, \$13 840.

- (v) *Zone VI (PAHO)* AMRO 0106

A project similar to AMRO 0102 above. *Provision:* an epidemiologist and a clerk-stenographer (both continued), \$23 897.

- (b) *National Health Planning, Inter-zone (PAHO)* AMRO 3100  
 To assist with national health plans and with the training of health officials for planning responsibilities. The Organization has set up an Office of National Health Planning, which works in close collaboration with international organizations, such as the Organization of American States, the Inter-American Development Bank and the United Nations Economic Commission for Latin America, which are promoting planning for national economic and social development in the Region. Courses for senior health officials are being sponsored jointly with the Latin American Institute for Economic and Social Planning, and assistance is being given to other international and to national courses. *Provision:* a medical officer, \$14 805; consultants, \$13 600; fellowships, \$45 900; supplies and equipment, \$3000; common services, \$10 000.
- (c) *National Health Planning, Zone I* AMRO 3101  
 To assist the authorities of the Caribbean islands in developing their health planning and in training personnel. *Provision:* consultants, \$5100.
- (d) *National Health Planning, Zone II (PAHO)* AMRO 3102  
 A project similar to AMRO 3101 above. *Provision:* consultants, \$6800; fellowships, \$5600.
- (e) *National Health Planning, Zone III (PAHO)* AMRO 3103  
 A project similar to AMRO 3101 above. Co-operation in this work is maintained with the tripartite mission of the Inter-American Development Bank, the United Nations Economic Commission for Latin America, and the Organization of American States. *Provision:* a planning officer, \$13 840; consultants, \$6800.
- (f) *National Health Planning, Zone IV (PAHO)* AMRO 3104  
 To assist the countries of Zone IV in preparing and carrying out national health plans within the framework of national plans for economic and social development, in organizing planning units in ministries of health, and in training personnel in planning techniques. *Provision:* a medical officer (continued), \$23 187.
- (g) *National Health Planning, Zone VI (PAHO)* AMRO 3106  
 A project similar to AMRO 3101 above. The planning officer assigned to this project co-operates with the centres undertaking research on health planning and takes part in the annual courses in health planning given at the Latin American Institute for Economic and Social Planning, Santiago, Chile. *Provision:* a planning officer (continued), \$22 687; consultants, \$10 200.
- (h) *Public Health Administration, Caribbean Area (Regular and PAHO)* AMRO 3107  
 To assist the authorities of Caribbean territories in planning and executing integrated health programmes and in strengthening the organization of the health services. Particular attention is given to child health, nutrition, environmental sanitation and health education. *Provision:* under the regular budget—a PAHO/WHO representative (continued), \$27 452; under PAHO—an administrative methods officer (continued) and a health educator, \$37 960; fellowships, \$14 000.
- (i) *Laboratory Services, Inter-zone* AMRO 3300  
 As in previous years, to assist public health laboratories by providing advisory services, fellowships, printed material, and biological reagents, cultures and standards. *Provision:* consultants, \$10 200; fellowships, \$22 400; supplies and equipment, \$9500.
- (j) *Laboratory Services, Caribbean Area (PAHO)* AMRO 3301  
 To assist in improving laboratory facilities and in training laboratory technicians for the United Kingdom territories in the Caribbean. Under an arrangement with the University College of the West Indies, a centre has been set up in the University for training laboratory technicians and standardizing techniques and reagents; staff of the centre provide consultant services to laboratories in the area. *Provision:* consultants, \$3400; fellowships, \$17 500.
- (k) *Laboratory Services, Zone III (PAHO)* AMRO 3303  
 To assist in improving public health laboratory services in the countries of Zone III and in setting up local laboratories. *Provision:* a public health laboratory adviser (continued), \$19 878; consultants, \$6800; fellowships, \$7000.
- (l) *Vaccine Production and Testing* AMRO 3307  
 To stimulate the use by national public health laboratories of modern techniques in testing biologicals for potency and safety, and to facilitate the use by these laboratories of the services of reference laboratories. An annual grant is made to one of the Organization's reference laboratories, where most of the testing is done. *Provision:* consultants, \$8500; a grant, \$10 000.
- (m) *Administrative Methods and Practices in Public Health*
- (i) *Inter-zone (PAHO)* AMRO 3600  
 To assist health departments in improving their operation so as to ensure the most efficient and economical use of resources. As part of this project, seminars on administrative methods and practices for directors-general of health are organized jointly with the United Nations Department of Economic and Social Affairs. *Provision:* consultants, \$10 200; fellowships, \$11 200; costs of a seminar, \$8160.
- (ii) *Zone II (PAHO)* AMRO 3602  
 To provide advisory services and assistance in administrative methods related to public health. *Provision:* consultants, \$10 200.
- (iii) *Zone III (PAHO)* AMRO 3603  
 A project similar to AMRO 3602 above. *Provision:* an administrative methods officer (continued), \$19 278; consultants, \$17 000.
- (iv) *Zone IV (PAHO)* AMRO 3604  
 A project similar to AMRO 3602 above. *Provision:* an administrative methods officer (continued), \$18 120; consultants, \$10 200.

- (v) *Zone VI (PAHO)* AMRO 3606  
A project similar to AMRO 3602 above. *Provision*: an administrative methods officer (continued), \$19 720.
- (n) *Food and Drug Control, Inter-zone (PAHO)* AMRO 4700  
To assist in improving government services for control of the import, manufacture and distribution of foods, drugs and biologicals; and to set up a service for warning governments about any such products that may be dangerous to public health. *Provision*: an adviser, \$13 395; consultants, \$6800.
- (o) *Food and Drug Control, Zone III (Regular and PAHO)* AMRO 4703  
To assist countries of Zone III in securing a minimal standard of operation for their food and drug control services. The laboratories of the University of Panama are to act as reference laboratories for the control of drugs, cosmetics, chemical products and insecticides and the Institute of Nutrition of Central America and Panama will act as the reference laboratory for the control of food products. *Provision*: under the regular budget—consultants, \$13 600; fellowships, \$7000; supplies and equipment, \$1000; under PAHO—a laboratory adviser, \$13 340.
- (p) *Medical Care Services*
- (i) *Inter-zone (Regular and PAHO)* AMRO 4800  
To assist with the planning and organization of medical care services and with training and research in that field. *Provision*: under the regular budget—consultants, \$10 200; under PAHO—a medical officer and a clerk-stenographer (both continued), and a hospital planner, an architect, a training officer, a hospital administrator, a supply consultant and a community development specialist. \$97 328; consultants, \$42 500; supplies and equipment, \$2000.
- (ii) *Zone II (PAHO)* AMRO 4802  
To assist the countries of Zone II in integrating their medical care services into the general health programme; and in formulating standards for medical care and applying them in the hospitals and health centres. *Provision*: a medical officer, \$13 840.
- (iii) *Zone III (PAHO)* AMRO 4803  
A project similar to AMRO 4802 above. *Provision*: two medical officers (one continued), \$33 410; fellowships, \$3500; supplies and equipment, \$100.
- (iv) *Zone IV (PAHO)* AMRO 4804  
A project similar to AMRO 4802 above. Advice is being given to the Governments of Colombia, Ecuador and Peru on problems of medical care, hospital administration and hospital construction, and to the Governments of Colombia and Peru on the training of senior hospital staff. *Provision*: a medical officer and a clerk-stenographer (both continued), \$22 740.
- (v) *Zone VI (PAHO)* AMRO 4806  
A project similar to AMRO 4802 above. *Provision*: a hospital administrator (continued), \$20 120; supplies and equipment, \$500.

## 10. Vital and Health Statistics

- (a) *Health Statistics*
- (i) *Zone I (PAHO)* AMRO 3501  
To assist the countries of Zone I in improving vital and health statistics (particularly statistics of notifiable diseases) and in using statistical data in programme planning; in organizing seminars and courses in statistics, and in the selection and follow-up of fellowship holders; and in dealing with statistical matters connected with projects. *Provision*: a statistician (continued), \$20 880; fellowships, \$6300; supplies and equipment, \$500.
- (ii) *Zone II* AMRO 3502  
A project similar to AMRO 3501 above. *Provision*: a health statistician (continued), \$20 260; supplies and equipment, \$100.
- (iii) *Zone III* AMRO 3503  
A project similar to AMRO 3501 above. In addition, a training centre for medical records and hospital statistics is to be established in one country of the zone in 1966 and plans have been prepared for setting up demonstration areas. *Provision*: a statistician (continued), \$16 180; consultants, \$1700; fellowships, \$13 900; supplies and equipment, \$500; seminar costs, \$3000.
- (iv) *Zone IV* AMRO 3504  
A project similar to AMRO 3501 above. Experimental and demonstration areas have been set up in several countries, and in two countries courses of from six to seven months have been organized at the intermediate level for statistical personnel. Short courses for auxiliary statistical personnel are planned. *Provision*: a statistician (continued), \$21 459; supplies and equipment, \$300.
- (v) *Zone VI (PAHO)* AMRO 3506  
To assist the countries of Zone VI in improving the collection and use of statistical data for health planning by introducing and consolidating vital statistics systems; organizing departments of biostatistics, and organizing courses in statistics, in collaboration with schools of public health and other educational institutions. Also to assist in promoting the use of statistics in medical and epidemiological research by advice on studies and by training scientific personnel of health services and schools of medicine in methodology. *Provision*: a statistician (continued), \$20 120; supplies and equipment, \$300.
- (b) *Perinatal Studies* AMRO 3508  
To develop demographic data on natality, including foetal and infant loss, and on conditions of infants at birth. *Provision*: consultants, \$3400.

- (c) *Chronic Disease Statistics (PAHO)* AMRO 3509  
To assist in setting up registry systems for obtaining data on cancer morbidity and on rheumatic fever, and in developing procedures for collection, analysis and use of data on various chronic and disabling conditions. *Provision*: consultants, \$13 600.
- (d) *Teaching of Statistics in Medical Schools (PAHO)* AMRO 6208  
To improve the teaching of statistics and contribute to the design of research programmes in medical schools by assisting with courses for preparing professors of medical statistics. *Provision*: consultants, \$3400.
- (e) *Training in Biostatistics (EPTA-I)* AMRO 6700  
To assist the training centre of the School of Public Health, University of Chile, the School of Public Health in Mexico, and the courses in Argentina, Colombia and Peru. The centre in Chile provides courses for professional personnel (leading to a degree with specialization in biostatistics), as well as for intermediate-level staff (technicians). The other courses are for technicians only. *Provision*: fellowships, \$19 255; supplies and equipment, \$15 000.
- (f) *Latin American Centre for Classification of Diseases* AMRO 6707  
The Centre was established in 1955 in collaboration with the Government of Venezuela, which provides financial support. It studies problems of medical certification of causes of death; assists in improving medical certification in Latin America; gives instruction in coding diseases and causes of death; serves as a clearing-centre for problems arising in the application of the Spanish edition of the International Classification of Diseases; takes part in the periodic revision of the Classification and provides instruction in its use, in order to ensure comparable coding procedures in the Americas. *Provision*: consultants, \$10 200; fellowships, \$9225; a grant, \$15 000.
- (g) *Training in Hospital Statistics (PAHO)* AMRO 6708  
To improve hospital statistics by setting up regional training centres in Latin American schools of public health and university hospitals to prepare teaching personnel for medical records and hospital statistics; and organizing in a few countries pilot projects to work out methods suitable for the rapid training of large numbers of statistical personnel of local hospitals. *Provision*: a hospital statistician and two medical records librarians (all continued), \$49 213; consultants, \$3400; supplies and equipment, \$1000.

## 11. Dental Health

- (a) *Training in Dental Health (PAHO)* AMRO 4400  
To promote the development of dental public health by training individual dentists and assisting training centres. *Provision*: consultants, \$11 900; fellowships, \$9800; supplies and equipment, \$1000.
- (b) *Dental Epidemiology (PAHO)* AMRO 4407  
To assist, with the United States Public Health Service and the Kellogg Foundation, the international centres in San Francisco and São Paulo in providing advanced training for dentists, conducting research, and developing recommendations and priorities for applied research in dental epidemiology. *Provision*: consultants, \$1700; supplies and equipment, \$1000.
- (c) *Dental Education (Regular and PAHO)* AMRO 6600  
To assist in training professors of dentistry, advising on the organization of dental schools, including the integration of preventive and social dentistry into the curriculum, and co-operating in the improvement of libraries. *Provision*: under the regular budget—consultants, \$5100; fellowships, \$5600; supplies and equipment, \$2000; under PAHO—a secretary, \$7855.
- (d) *Proceedings of Seminar on Dental Education (PAHO)* AMRO 6607  
To publish the proceedings of the seminar to be held in 1966 on the teaching of preventive dentistry and other aspects of dental education. *Provision*: \$4000.
- (e) *Training of Auxiliary Dental Personnel (PAHO)* AMRO 6608  
To co-operate with the Kellogg Foundation in training auxiliary dental personnel, for whom there are no regular courses in the dental schools of Latin America. *Provision*: consultants, \$6800; fellowships, \$2800; supplies and equipment, \$1000.

## 12. Nursing

- (a) *Nursing*
- (i) *Zone I (PAHO)* AMRO 3201  
To assist the countries of Zone I in determining nursing and midwifery needs and resources; planning, developing and evaluating programmes for public health and hospital nursing, midwifery services and nursing education; and exchanging information on nursing. *Provision*: a nurse and an administrative assistant (both continued), \$26 920; common services, \$500.
- (ii) *Zone II (PAHO)* AMRO 3202  
A project similar to AMRO 3201 above. *Provision*: a nurse and a clerk-stenographer (both continued), \$24 302; fellowships, \$6300; supplies and equipment, \$100.
- (iii) *Zone III (PAHO)* AMRO 3203  
A project similar to AMRO 3201 above. *Provision*: a nurse and a secretary (both continued), \$22 970.
- (iv) *Zone IV (PAHO)* AMRO 3204  
A project similar to AMRO 3201 above. *Provision*: a nurse and a secretary (both continued), \$22 426.

(v) *Zone VI (PAHO)*

AMRO 3206

A project similar to AMRO 3201 above. *Provision:* a nurse and a clerk-stenographer (both continued), \$21 976; supplies and equipment, \$200.

(b) *Courses on Nursing Administration and Supervision, Zone I (PAHO)*

AMRO 3207

To assist in training nurses for administrative and supervisory posts in hospitals and public health services. *Provision:* a nurse (continued), \$14 293; fellowships, \$14 000; supplies and equipment, \$1000.

(c) *Nursing Education*

AMRO 6300

To provide assistance for Latin American schools of nursing for which there is no individual project. *Provision:* consultants, \$3400; fellowships, \$10 500; supplies and equipment, \$2000.

(d) *Programmed Instruction for Nursing Auxiliaries (PAHO and Organization of American States/Technical Co-operation Programme)*

AMRO 6310

To train nurse educators, through courses and fellowships, in the technique of programmed instruction of nursing auxiliaries; to prepare and test the relevant texts; and to make, in each country, an evaluation of the efficacy of the technique, followed by a seminar to discuss the results. *Provision:* under PAHO—a nurse educator (continued), \$15 990; supplies and equipment, \$1500; financed by the Organization of American States—consultants, \$7300; fellowships, \$20 760; supplies and equipment, \$7000; contractual services, \$1540.

**13. Social and Occupational Health**(a) *Industrial Hygiene (PAHO)*

AMRO 4600

To assist countries of Latin America in developing occupational health programmes and strengthening services in this field, in standardizing practices and procedures, and in training professional personnel. *Provision:* two sanitary engineers and two secretaries (all continued), \$47 086; consultants, \$6800; supplies and equipment, \$2000; common services, \$1000.

(b) *Rehabilitation (PAHO)*

AMRO 4807

To provide advisory services to countries interested in carrying out specific rehabilitation programmes. *Provision:* a medical officer (continued), \$20 370.

**14. Chronic and Degenerative Diseases***Data on Chronic Diseases (PAHO)*

AMRO 4810

To advise on problems connected with the obtaining, from many different sources (e.g. private physicians, hospitals, social security systems), of data on chronic diseases and conditions. *Provision:* a medical officer and a clerk-stenographer, \$17 734.

**15. Health Education**(a) *Health Education, Caribbean Area (EPTA-I and PAHO)*

AMRO 3401

To assist the health authorities in the Caribbean area in preparing health education programmes as part of integrated health programmes, and in training personnel. *Provision:* under the Expanded Programme—a health educator (continued), \$17 512; under PAHO—fellowships, \$3500.

(b) *Community Development Training Centre*

AMRO 3407

To participate in the work of the regional community development training centre in Michoacán, Mexico, which is operated jointly by various specialized agencies, under the general leadership of UNESCO. *Provision:* a medical officer (continued), \$18 655; supplies and equipment, \$300.

**16. Maternal and Child Health**(a) *Guides for Maternal and Child Health Services and Planning (PAHO)*

AMRO 4100

To prepare a series of guides on the establishment of priorities, norms of service and assignment of personnel in maternal and child health programmes, and on survey and seminar techniques for obtaining the data necessary for the formulation and implementation of plans. In addition, to set up a pilot area in which the new concepts can be applied. *Provision:* consultants, \$8500; fellowships, \$5100; supplies and equipment, \$2500.

(b) *Training in Clinical and Social Paediatrics*

AMRO 4108

To assist in training physicians, particularly paediatricians with teaching responsibilities in medical schools, in clinical and social paediatrics. Courses, organized with the Organization's assistance, have been held in Santiago, Chile, since 1962 and in Colombia since 1965. *Provision:* fellowships, \$30 600.

(c) *Midwifery Training (PAHO)*

AMRO 4109

To assist countries of the Region in reviewing and expanding their facilities for midwifery education and practice. In many Latin American countries midwives are needed not only in hospitals and the general health services but also to supervise the work of traditional birth attendants in rural areas. *Provision:* two nurse midwives (continued), \$37 398; fellowships, \$14 000; supplies and equipment, \$700.

**17. Mental Health**

- (a) *Mental Health, Inter-zone (PAHO)* AMRO 4300

To assist in the furtherance of mental health programmes in countries of the Region. *Provision:* consultants, \$17 000.

- (b) *Seminar on Teaching Psychiatry* AMRO 4309

To discuss the co-ordination of undergraduate and post-graduate teaching of psychiatry and the incorporation of preventive concepts into the curriculum. *Provision:* consultants, \$11 900; attendance of participants, \$17 850; supplies and equipment, \$3000; temporary staff, \$1150; duty travel, \$2880.

**18. Nutrition**

- (a) *Advisory Services, Inter-zone (Regular and PAHO)* AMRO 4200

To advise countries not covered by individual nutrition projects on the development of their nutrition programmes; on the production of high protein foods; and on specific subjects such as endemic goitre; and to assist in training personnel. *Provision:* under the regular budget—consultants, \$15 300; fellowships, \$18 900; under PAHO—a community development specialist, \$8226; consultants, \$15 300; contractual services, \$600.

- (b) *Advisory Services, Zone I (Regular and PAHO)* AMRO 4201

To assist the countries of Zone I on various aspects of their nutrition programmes and nutrition research, and in training personnel. This project is assisted also by FAO, UNICEF, the National Institutes of Health of the United States Public Health Service and the United States Interdepartmental Committee on Nutrition for National Defense. *Provision:* under the regular budget—a nutrition adviser (continued), \$22 105; fellowships, \$14 700; supplies and equipment, \$200; seminar costs, \$6000; under PAHO—a public health nutritionist (continued), \$13 370.

- (c) *Institute of Nutrition of Central America and Panama (PAHO)* AMRO 4203

To continue assistance to INCAP in its training and research services to its seven member countries. In addition to support from its members and the Organization, the Institute receives grants for specific research projects from various official and private organizations. *Provision:* personnel (the Director of the Institute and nine other posts—all continued), \$177 514; consultants, \$15 300; meetings of the Council and Technical Advisory Committee, \$7500; assistance to training, \$65 000; applied nutrition, and vegetable mixture development programmes, \$135 000; supplies and equipment, \$1000; hospitality, \$300.

- (d) *Advisory Services, Zone IV* AMRO 4204

To assist the countries of Zone IV with the development of nutrition programmes (especially at the local health service level), with applied research related to these programmes, and with the training of personnel. *Provision:* a medical nutritionist (continued), \$21 441.

- (e) *Advisory Services, Zone VI (PAHO)* AMRO 4206

To help the countries of Zone VI to collect information on nutrition problems and assess needs; to plan national nutrition programmes, in co-operation with FAO and UNICEF, and integrate them into the public health services at all levels; to co-ordinate nutrition research; and to organize courses, seminars and other training. *Provision:* a nutritionist (continued), \$19 278.

- (f) *Nutrition, Caribbean Area (PAHO)* AMRO 4207

To assist the governments in the area to co-ordinate and strengthen the facilities and programmes of the institutions and agencies working in the field of nutrition, and in training personnel. This constitutes the first stage of a plan for setting up a nutrition institute to carry out research and training. *Provision:* a medical nutritionist and a nutrition educator (both continued), \$34 649; fellowships, \$4900; supplies and equipment, \$200.

- (g) *Evaluation of Applied Nutrition Programmes (PAHO)* AMRO 4210

To collaborate with FAO, UNICEF and governments in appraising the applied nutrition programmes in sixteen countries of the Region; and to follow up the findings of the joint FAO/WHO conference on evaluation held in 1965. *Provision:* a nutrition adviser (continued), \$19 971.

- (h) *Seminar on Training Nutrition Aides* AMRO 4216

To develop guides and methodology to be used by public health nutritionists in the countries of the Region in the establishment and conduct of programmes for training nutrition aides. These nutrition aides would be under the supervision of a qualified public health nutritionist, and would work directly with the people on programmes designed to improve the nutritional status of the population, and particularly that of mothers and children. *Provision:* consultants, \$3400; attendance of participants, \$8678; temporary staff, \$1800.

- (i) *Seminar on Nutrition and Medical Education* AMRO 4217

To discuss the integration of nutrition into the medical curriculum. *Provision:* attendance of participants, \$36 400; duty travel, \$700; supplies and equipment, \$900.

**19. Radiation and Isotopes****(a) Health Aspects of Radiation (Regular and PAHO) AMRO 4500**

To promote the adoption in the Region of international standards and the development of procedures and regulations for radiation protection, the teaching of health physics and radiation protection in professional schools, the use of radioisotopes for medical diagnosis, therapy and research, and research into the medical, public health or veterinary applications of radiation. Also to organize and promote training courses for professional and paraprofessional personnel, and to provide fellowships for training officers of health departments in radiation protection. In co-operation with the United States Public Health Service, sampling stations have been set up in certain Latin American countries to ascertain the radioactive contamination of air and milk. *Provision:* under the regular budget—consultants, \$5100; fellowships, \$4200; supplies and equipment, \$2750; under PAHO—supplies and equipment, \$5000.

**(b) Radiation Health Protection (PAHO) AMRO 4507**

To advise governments on the establishment and organization of radiological protection service units in ministries of health; and to assist in the development of national legislation and regulations for the use of X-rays and radioisotopes. *Provision:* a health physicist (continued), \$19 120; supplies and equipment, \$1000.

**(c) Seminar on Health Aspects of Radiation AMRO 4508**

To enable public health officers to consider the problems connected with radiation protection and to discuss the inclusion of radiation protection in public health programmes. *Provision:* consultants, \$3400; attendance of participants, \$11 880; supplies and equipment, \$3000; temporary staff, \$1476; duty travel, \$1291.

**20. Environmental Health****(a) Environmental Sanitation (PAHO) AMRO 2100**

To assist countries with various environmental sanitation activities, including food sanitation, school sanitation, sanitation of public establishments and transport, vector control, and training of auxiliary personnel. *Provision:* consultants, \$17 000; supplies and equipment, \$500.

**(b) Sanitary Engineering****(i) Zone I (PAHO) AMRO 2101**

To advise and assist the countries of Zone I in connexion with their programmes of environmental sanitation, including rural and urban water supplies, sewage disposal, housing, urbanization and industrial hygiene. The highest priority is given to urban and rural water supplies; and priorities are assigned to other projects according to local conditions. *Provision:* a sanitary engineer and a secretary (both continued), \$28 474; fellowships, \$4900.

**(ii) Zone II (Regular and PAHO) AMRO 2102**

A project similar to AMRO 2101 above. *Provision:* under the regular budget—a sanitary engineer (continued), \$23 750; supplies and equipment, \$100; under PAHO—a clerk-stenographer (continued), \$4188, fellowships, \$7000.

**(iii) Zone III (PAHO) AMRO 2103**

A project similar to AMRO 2101 above. *Provision:* a sanitary engineer and a secretary (both continued), \$25 356.

**(iv) Zone IV (PAHO) AMRO 2104**

A project similar to AMRO 2101 above. *Provision:* a sanitary engineer and a clerk-stenographer (both continued), \$22 368.

**(v) Zone VI (PAHO) AMRO 2106**

To assist the countries of Zone VI in the planning, development and evaluation of water supply, sewage disposal and other environmental sanitation programmes, and in training sanitary engineers and other sanitation personnel; and in co-ordinating environmental sanitation projects in the individual countries. *Provision:* a sanitary engineer and a clerk-stenographer (both continued), \$23 368.

**(c) Environmental Sanitation, Caribbean Area (EPTA-I and PAHO) AMRO 2107**

To assist the authorities of the Caribbean area in the planning and implementation of water supply, sewage disposal and other environmental sanitation programmes, in strengthening sanitation divisions in ministries of health, and in training personnel. *Provision:* under the Expanded Programme—two sanitary engineers (continued), \$43 125; under PAHO—a sanitary engineer (continued), \$19 278; fellowships, \$4900; seminar costs, \$14 000.

**(d) Sewage Disposal and Water Pollution Control (PAHO) AMRO 2109**

To advise the countries of Latin America on problems of design, financing, organization and management of sewerage systems, and on water pollution. *Provision:* consultants, \$11 900.

**(e) Refuse and Garbage Disposal AMRO 2110**

To assist countries in improving the garbage and refuse collection and disposal services in urban areas. *Provision:* consultants, \$10 200.

**(f) Water Supplies (PAHO and PAHO Community Water Supply) AMRO 2200**

To assist the countries of Latin America in all aspects of their water supply programmes in both urban and rural areas, including research and training of personnel. *Provision:* under PAHO—an adviser on administration and financing of water supplies, an adviser on water supply design and five clerk-stenographers (all continued), \$73 457; consultants, \$51 000; supplies and equipment, \$1000; under PAHO Community Water Supply—consultants, \$17 000.

- (g) *Rural Water Supplies, Zone III (PAHO Community Water Supply)* AMRO 2203  
To assist the countries of Zone III in the construction, improvement and extension of water supply systems. *Provision*: a sanitary engineer, a health educator, an administrative methods officer, a well driller and a secretary (all continued), \$66 903; contractual services, \$12 000.
- (h) *Water Fluoridation (PAHO)* AMRO 2208  
To advise municipalities and public health and water authorities on the fluoridation of water as an integral part of water treatment, particularly when new supplies are built or existing ones expanded. *Provision*: consultants, \$6800.
- (i) *Courses on Design of Water Supply Systems (Organization of American States/Technical Co-operation Programme)* AMRO 2209  
To train local engineers in the planning, design and operation of water supply systems. In 1966 and 1967 it is planned to hold fifteen courses at various universities, each attended by about twenty-five engineers. *Provision*: consultants, \$25 000; fellowships, \$20 100; supplies and equipment, \$41 000; other services, \$1291.
- (j) *Studies and Investigations of Water Resources (EPTA-I)* AMRO 2213  
To participate in the Water Resources Mission of the United Nations Economic Commission for Latin America, to survey the water supplies for industrial and domestic use in Latin American countries, and make recommendations for the development of community water supplies and for water pollution control, within the framework of the general economic development of the countries concerned. *Provision*: a sanitary engineer (continued), \$17 786; supplies and equipment, \$200.
- (k) *Aedes aegypti Eradication, Inter-zone (PAHO)* AMRO 2300  
To assist with the *Aedes aegypti* eradication campaign in the Region. Work under this project will be concentrated mainly on the countries of the Caribbean. With the exception of Trinidad, the campaigns in this area have made little progress and there are strains highly resistant to the chlorinated hydrocarbon insecticides. Part of the assistance to this area is provided under project AMRO 2301 (see below). *Provision*: a medical officer and an entomologist (both continued), \$35 161; supplies and equipment, \$20 000.
- (l) *Aedes aegypti Eradication, Caribbean Area (EPTA-I and PAHO)* AMRO 2301  
A project similar to AMRO 2300 above, but specifically for Jamaica, Trinidad and the British, French and Netherlands areas in the Caribbean. Additional assistance in this area is given under project AMRO 2300 above. *Provision*: under the Expanded Programme—a medical officer and three sanitarians (all continued), \$63 119; under PAHO—a medical officer (continued), \$18 278; supplies and equipment, \$4000.
- (m) *Public Health Aspects of Housing and Urbanization (PAHO)* AMRO 2400  
To assist governments in the long-term planning of health and sanitary facilities for communities and urban areas, in establishing housing standards, and in solving the health problems created by substandard housing. *Provision*: a housing specialist and a clerk (both continued), \$26 975; supplies and equipment, \$800.
- (n) *Training Centre for Food Inspectors (PAHO)* AMRO 4708  
To assist ministries of health in organizing a centre for the training of food inspectors and the first course on food control and technology. *Provision*: consultants, \$6800; fellowships, \$8400; supplies and equipment, \$2000.
- (o) *Sanitary Engineering Training (PAHO)* AMRO 6400  
To assist in establishing training and research facilities, on a gradually increasing scale, at the civil engineering schools of four universities. *Provision*: a sanitary engineer and a clerk-stenographer (both continued), \$23 622; consultants, \$10 200; supplies and equipment, \$10 000; grants, \$20 000.
- (p) *Sanitary Engineering Training, Zone III (PAHO)* AMRO 6403  
To assist the governments of Zone III in expanding and improving the teaching of sanitary engineering in schools and faculties of engineering. *Provision*: fellowships, \$16 800.
- ## 21. Education and Training
- (a) *Schools of Public Health* AMRO 6100  
To provide for assistance to new schools of public health and those not covered by individual projects in Latin America. *Provision*: consultants, \$6800; fellowships, \$3500; supplies and equipment, \$4000.
- (b) *Seminars for Schools of Public Health* AMRO 6107  
To enable deans and faculty members of schools of public health to discuss common problems and review specialized fields of teaching. The 1967 seminar will consider the teaching of environmental sanitation. *Provision*: consultants, \$5100; attendance of participants, \$18 000; supplies and equipment, \$700.
- (c) *Continued Training in Public Health (PAHO)* AMRO 6110  
To co-operate with ministries of health in providing further training for persons engaged in the administration of public health services. *Provision*: a medical officer and a secretary (both continued), \$24 007.
- (d) *Travelling Seminar on Schools of Public Health* AMRO 6112  
To enable deans from Canada and the United States of America to visit four leading Latin American schools of public health to study their organization and administration. *Provision*: attendance of participants, \$10 500.



(e) *Medical Education*

(i) *Inter-zone (Regular and PAHO)*

AMRO 6200

To assist in the further training of teaching staff. This is a long-term project for the improvement of medical education in Latin America, and is co-ordinated with the work in professional education of a number of non-governmental and bilateral agencies. Also, to provide for the meetings and publication of the reports of an advisory committee on medical education. *Provision*: under the regular budget—fellowships, \$9800; under PAHO—a medical editor, and a secretary (continued), \$10 495; consultants, \$10 200; publication costs, \$10 000.

(ii) *Zone II (PAHO)*

AMRO 6202

To assist medical schools in Zone II in preparing and implementing plans for improvement and to co-operate with agencies and institutions concerned with medical education. *Provision*: consultants, \$6800; fellowships, \$4900.

(iii) *Zone III (PAHO)*

AMRO 6203

A project similar to AMRO 6202 above. *Provision*: consultants, \$6800.

(iv) *Zone IV (PAHO)*

AMRO 6204

To assist medical schools in Bolivia, Ecuador and Peru where studies of medical education have already been carried out. *Provision*: consultants, \$17 000.

(f) *Training of Medical Librarians (PAHO)*

AMRO 6207

To assist medical librarians from Latin American countries to attend a course at the School of Library Science in Medellín, Colombia. *Provision*: fellowships, \$9800.

(g) *Teaching Methods and Administrative Organization of Medical Schools (Regular and PAHO)*

AMRO 6210

To assist medical schools in Latin America in reviewing their teaching methods and administrative procedures and to provide training in these fields. *Provision*: under the regular budget—consultants, \$10 200; fellowships, \$4200; supplies and equipment, \$5000; under PAHO—a medical officer (continued), \$17 464.

(h) *Teaching of Preventive Medicine (PAHO)*

AMRO 6216

To assist medical schools in Latin America in assessing the teaching of preventive medicine and community health, and to evaluate the influence of the seminars on the teaching of preventive medicine held in 1955 and 1956. The Milbank Memorial Fund is co-operating in this project. *Provision*: a medical officer and a secretary (both continued), \$24 569; consultants, \$13 600.

**22. Other Activities**

*Co-ordination of International Research (PAHO)*

AMRO 3110

To hold the annual meeting of the PAHO Advisory Committee on Medical Research. *Provision*: consultants, \$15 300; attendance of participants, \$14 250.

## SOUTH-EAST ASIA

### REGIONAL OFFICE

(See page 352)

*Personnel:* as for 1966 (see page 352). The provision for temporary staff is the same as for 1966.

*Duty travel:* to advise on the development of health programmes, discuss policy questions and administrative problems with governments, and maintain liaison with field staff. The provision is the same as for 1966.

*Other costs:* provision for public information supplies and materials as for 1966.

*Common services:* estimates increased by approximately \$2800 over 1966.

### REGIONAL ADVISERS

(See page 355)

*Personnel:* as for 1966 (see page 355).

*Duty travel:* to enable the advisers to visit all the countries of the Region, in order to give technical guidance in their respective fields, supervise and help to develop field projects, and assist in negotiations with governments. The provision is the same as for 1966.

*Common services:* estimates increased by approximately \$1600 over 1966.

### WHO REPRESENTATIVES

(See page 356)

*Personnel:* as for 1966 (see page 356). WHO representatives are stationed in Afghanistan, Burma, Ceylon, India, Indonesia, Nepal and Thailand.

*Duty travel:* to maintain liaison with the Regional Office, with governments, and with other specialized and bilateral agencies, in order to achieve effective co-ordination of field activities. The provision is the same as for 1966.

*Common services:* estimates as for 1966.

### AFGHANISTAN

(See page 357)

#### 1. Malaria

##### *Eradication Programme*

Afghanistan 11

To assist with the eradication programme, which was reorganized in 1959. In 1963 a comprehensive plan of operations was signed by the Government, UNICEF and WHO. In accordance with the recommendations of the Regional Assessment Team (see project SEARO 7 below), in 1966 areas with a total population of nearly 2.9 million will enter the consolidation phase and others, with a total population of 94 000, will be placed in the maintenance phase. In 1967 a considerable part of the originally malarious area is expected to be in the consolidation phase. WHO assistance is expected to continue through 1969. *Provision:* three WHO teams—two in the provinces and one at the centre—as follows: Kandahar team—a malariologist, a laboratory technician and a clerk-typist (all continued); Kunduz team—a malariologist, a laboratory technician and a clerk-typist (all continued); Kabul team—a malariologist, an entomologist, a sanitarian, a laboratory technician and a clerk-stenographer (all continued), \$124 444; three fellowships, \$3400; supplies and equipment, \$7000.

#### 2. Tuberculosis

##### *Advisory Services (EPTA-I)*

Afghanistan 33

To assist in the expansion of tuberculosis control services in Kabul and its environs in the first instance, and in setting a pattern for tuberculosis control in the provinces. A BCG vaccination programme has been established and the work of the Chaman tuberculosis centre reviewed. Priority will be given to community-wide ambulatory treatment and case-finding within the capacity of the treatment services in Kabul and in the rural area of Shewaki. The project is expected to continue until early 1968. *Provision:* a medical officer (continued) and a public health nurse, \$25 789; a consultant for three months, \$5100; two fellowships, \$2400; supplies and equipment, \$100.

### 3. Virus Diseases

#### (a) *Trachoma Control*

Afghanistan 44

To assist in studying the epidemiological aspects of trachoma in Herat Province; in initiating control activities; in developing a programme of health education in communicable eye diseases and in establishing a control programme based on the data and experience gained. Following recommendations of consultants assigned in 1958 and 1962 and the training of national staff, a consultant was assigned in April 1964 for two months to help to start the project. *Provision:* a trachomatologist (continued for six months), \$7865; a fellowship, \$1000; supplies and equipment, \$100.

#### (b) *Communicable Disease Control (Smallpox Eradication) (EPTA-I)*

Afghanistan 54

To assist in a national smallpox eradication programme and in the planning of field epidemiological investigations of the major prevailing communicable diseases other than smallpox; and to train national personnel in field epidemiology and communicable disease control. Assistance to this project was given under the inter-country smallpox eradication project (SEARO 30) from 1962 onwards. The smallpox control pilot project in Kabul city has been successfully completed—over 80 per cent. coverage of the population having been obtained—and vaccinators have been trained. Mass vaccination activities have been extended to several provinces, freeze-dried vaccine supplied through WHO from bilateral sources being used wherever possible. It is planned to extend the campaign province by province to cover the whole country. The project is expected to continue through 1968. *Provision:* a medical officer (continued), \$13 770; a twelve-month fellowship in epidemiology, \$3600; supplies and equipment, \$2600.

### 4. Leprosy

#### *Leprosy Control*

Afghanistan 43

To assist in determining the prevalence of leprosy in areas where the disease is known to be endemic; to carry out a survey and to advise on case-finding, contact tracing and treatment of patients. In 1964 a WHO consultant assessed the leprosy problem in the Hazarajat area of Bamiyan Province, where a pocket of high prevalence was found in Yakaowlang District. Following his recommendations, leprosy control activities are planned for this district, to be integrated into the existing basic health services of the Yakaowlang health centre, with emphasis on the training of health personnel. *Provision:* a fellowship, \$1000.

### 5. Public Health Administration

#### (a) *Rural Health (EPTA-I)*

Afghanistan 26

To further the development of rural health services in which effectively directed and supervised curative and preventive services are integrated at all levels. Activities include the setting-up of health centres, the improvement of village water supplies and sanitation, health education, and training of staff. Assistance in the establishment of a basic health service programme will be provided in co-ordination with the work of project Afghanistan 59 (see below). The project is expected to continue through 1968. *Provision:* two public health officers (one continued), and a public health nurse and a sanitarian (both continued), \$54 810; supplies and equipment, \$100.

#### (b) *Institute of Public Health, Kabul*

Afghanistan 31

To assist in the development of the Institute of Public Health for research and training of public health workers. In 1964 a laboratory department was set up in the Institute and equipment provided by UNICEF and WHO was installed; in 1965 a training course for laboratory assistants was organized. The project is expected to continue through 1968. *Provision:* a senior medical officer, a microbiologist, a statistician/epidemiologist, a sanitary engineer and a laboratory technician (all continued), \$80 207; two twelve-month fellowships, \$7200; supplies and equipment, \$500.

#### (c) *Development of Basic Health Services*

Afghanistan 59

To assist in establishing basic health services to give coverage throughout the country. In 1965 a WHO consultant studied the national health services and made recommendations for their development. During 1967 a public health officer (under project Afghanistan 26—see above) will assist in developing the services and in training all categories of health workers. The project is expected to continue until the end of 1975. *Provision:* a consultant for four months, \$6800.

### 6. Nursing

#### *Advisory Services (EPTA-I)*

Afghanistan 35

To assist in organizing and developing nursing and midwifery programmes and in co-ordinating and expanding nursing education and the nursing services. Assistance to the project started in 1957. Two educational programmes have been established—a three-year nursing course for men at Aliabad Hospital and a three-year nursing and midwifery course at Shararah Hospital. In addition, a one-year nursing programme for senior midwives to qualify as nurse/midwives has been started and is expected to continue until the end of 1968. The project is expected to continue through 1969. *Provision:* a nursing adviser and three nurse educators (all continued), \$45 392; two twelve-month fellowships, \$7200; supplies and equipment, \$100.

### 7. Health Education

#### *Health Education*

Afghanistan 24

To develop health education services in the country; to promote health education in teacher-training establishments; to train health staff in health education; and to establish and develop a health education section in the Institute of Public Health, Kabul. Assistance in health education was provided in 1958-59 and was resumed in 1962. Staff from project Afghanistan 26 (see above) are assisting in the teaching programme and the health educator assigned to this project is advising on the relevant aspects of teacher-training projects assisted by UNESCO, UNICEF and the United States Agency for International Development. *Provision:* a health educator (continued), \$17 120; a twelve-month fellowship, \$3600; supplies and equipment, \$100.

7

**8. Maternal and Child Health***Provincial Maternal and Child Health Services and Training (EPTA-I)*

Afghanistan 56

To assist in the development of maternal and child health services and the training of auxiliary nurse/midwives in the provinces. The public health nurse working on project Afghanistan 26 (see above) will also assist in this project. *Provision:* a maternal and child health officer (continued), \$14 799; two six-month fellowships, \$4800; supplies and equipment, \$100.

**9. Radiation and Isotopes***Training of Radiographers*

Afghanistan 51

To assist in setting up a school for training radiographers and radiological technicians. *Provision:* a tutor radiographer (continued), \$13 964; supplies and equipment, \$100.

**10. Environmental Health***Sanitary Engineering Education and Training*

Afghanistan 61

To assist the Government in the teaching of sanitary engineering, and particularly sanitary chemistry and biology at the College of Engineering, Kabul. The project is expected to continue through 1968. *Provision:* a sanitary engineer, \$15 050; a twelve-month fellowship, \$3600; supplies and equipment, \$2000.

**11. Education and Training***Medical Education*

Afghanistan 13

To strengthen departments of the Faculties of Medicine of the Universities of Kabul and Nangarhar and to train national staff. Since 1952 WHO has been providing visiting professors, consultants and supplies and equipment to selected departments of the Faculty of Medicine of the University of Kabul; it is proposed to continue this assistance and to extend it to the newly established Faculty of Medicine of Nangarhar University. The project is expected to continue through 1968. *Provision:* two medical educators (both continued), \$30 957; a consultant for six months, \$10 200; three twelve-month fellowships, \$10 800; supplies and equipment, \$100.

**BURMA***(See page 358)***1. Malaria***Eradication Programme*

Burma 31

To assist with the programme for eradicating malaria throughout the country in stages. The project is a continuation of the malaria control project started in 1951 and converted to eradication in 1957. Since 1963, WHO assistance has been limited to the award of fellowships and technical advice from the Regional Office. *Provision:* three fellowships, \$4400.

**2. Tuberculosis***Tuberculosis Control (EPTA-I)*

Burma 65

To assist the Government in developing community-oriented tuberculosis control services, starting with Rangoon and Mandalay, and in collecting epidemiological base-line data on tuberculosis for future planning and assessment. The tuberculosis centre in Rangoon has expanded its treatment programme in that area, and in 1965 extended it to Mandalay (as the tuberculosis centre for Upper Burma) and to other divisions in the north, as part of a national tuberculosis programme. The project is expected to continue through 1968. *Provision:* a medical officer (continued), \$20 275; a consultant for three months, \$5100; three fellowships, \$3600; supplies and equipment, \$100.

**3. Bacterial Diseases***Plague Control*

Burma 78

To assist the Government in assessing the factors responsible for the persistence of plague in some parts of the country, and to train personnel in plague epidemiology and control. *Provision:* a six-month fellowship, \$2400.

**4. Parasitic Diseases***Fellowships*

Burma 200

To train staff in the epidemiology and control of filariasis. *Provision:* a twelve-month fellowship, \$3600.

**5. Virus Diseases***(a) Trachoma Control (EPTA-I)*

Burma 69

To assist in developing a trachoma control programme. *Provision:* three fellowships, \$3000.

*(b) Strengthening of Laboratory Services (Virology)*

Burma 82

To assist the Government in developing virological diagnostic facilities. *Provision:* a consultant for six months, \$10 200.

## 6. Leprosy

### *Leprosy Control*

Burma 17

To assist in expanding and intensifying the leprosy control programme to cover all endemic areas of the country, and in training personnel for the purpose. Assistance from UNICEF and WHO started in 1952 (under project Burma 5) and the project is expected to continue through 1968. The development of leprosy control services in all thirty project areas has proceeded satisfactorily. *Provision:* two leprologists (continued), \$35 418; a twelve-month fellowship, \$3600; supplies and equipment, \$100.

## 7. Public Health Administration

### (a) *Strengthening of Health Services (Epidemiology) (EPTA-I)*

Burma 44

To strengthen the epidemiological unit in the Directorate of Health Services; to study further the prevailing pattern of communicable disease in Burma, and to provide information for sound public health planning and appropriate control measures. Also, to assist in the development of public health laboratory services to support the activities of the epidemiological unit. The project started in January 1961. *Provision:* two twelve-month fellowships, \$7200.

### (b) *Strengthening of Laboratory Services*

Burma 74

To assist the Government in strengthening the various aspects of laboratory services. The project is expected to continue through 1968. *Provision:* a twenty-four-month fellowship in laboratory technology tutoring, \$6700.

## 8. Vital and Health Statistics

### *Vital and Health Statistics, Rangoon*

Burma 22

To assist in developing a system of recording and reporting of health statistical data and in improving processing, and to train statistical personnel. Assistance to the health statistics part of the project started in 1962 by introducing a system of hospital statistics and establishing record departments in major hospitals. *Provision:* a medical records officer (continued), \$9992; a consultant for two months, \$3400; a twelve-month fellowship, \$6800; supplies and equipment, \$100.

## 9. Dental Health

### *Education in Dentistry (EPTA-I)*

Burma 83

To assist in improving and strengthening dental education in the country. The project is expected to continue through 1970. *Provision:* a teacher in dentistry, \$11 929; two twelve-month fellowships, \$7200; supplies and equipment, \$100.

## 10. Nursing

### *Advisory Services (EPTA-I)*

Burma 56

To assist in upgrading and co-ordinating basic and post-basic education for nurses and midwives throughout the country. The project started in 1959 and is expected to continue through 1968. Assistance is being provided in improving paediatric nursing at the Children's Hospital, Rangoon, in conjunction with the paediatric education project Burma 67 (see below). The post-basic school of nursing has been reopened, and in 1966 a post-basic paediatric course is to be started. The third phase of the project, due to start in 1967, will be to develop an affiliation in paediatrics for student nurses from basic nursing services. *Provision:* two paediatric nurse educators (continued), \$19 237; three twelve-month fellowships, \$10 800; supplies and equipment, \$100.

## 11. Health Education

### (a) *Health Education in Schools*

Burma 60

To assist in developing health education in teacher-training institutions and schools. The Ministry of Health, with the Ministry of Education, has planned to develop a unit in the Health Education Bureau to provide training to staff from teacher-training institutions and to staff holding key posts in the school programme. The health educator assigned to the project will also advise on health education aspects of an education project assisted by UNESCO and UNICEF. The project is expected to continue until early 1968. *Provision:* a health educator (continued), \$12 308; a twelve-month fellowship, \$6800; supplies and equipment, \$100.

### (b) *National Course for Teacher-Training in Health Education*

Burma 66

To assist with a course for training in health education staff from faculties of teacher-training institutions and holding key posts in the school organization. *Provision:* attendance of ten participants for three months, \$1760.

## 12. Maternal and Child Health

### *Paediatric Education*

Burma 67

To assist in strengthening the departments of paediatrics in the three medical colleges of the country, in improving the teaching of paediatrics, particularly the preventive aspects, and in developing peripheral services for training. The project started in June 1964 in the Department of Paediatrics at the Institute of Medicine I in Rangoon, and is being continued at the Institute of Medicine, Mandalay, in 1965-66. Two paediatric units have been established at Bassein and Moulmein and more are planned. A paediatric nurse educator from project Burma 56 (see above) will help also with this project. *Provision:* a professor of paediatrics (continued for six months), \$11 009; a twelve-month fellowship, \$3600; supplies and equipment, \$100.

**13. Mental Health***(a) Mental Health, Rangoon*

Burma 37

To assist in basic and post-basic educational programmes in mental nursing and in in-service training for personnel, in order to improve nursing care in psychiatric hospitals. The project began in 1955 with a survey of mental health needs. Since then fellowships have been awarded for training of psychiatric nurses, but it is now planned to establish such training in the country. *Provision:* a psychiatric nurse (continued for four months), \$4577; supplies and equipment, \$100.

*(b) Fellowships (EPTA-I)*

Burma 201

To train personnel for strengthening the mental health services. *Provision:* a twenty-four-month and three twelve-month fellowships, \$17 500.

**14. Environmental Health***Fellowships*

Burma 200

To train a medical officer in methods of *Aedes aegypti* control. *Provision:* a twelve-month fellowship, \$3600.

**15. Education and Training***(a) Institute of Medicine I, Rangoon (EPTA-I)*

Burma 28

To strength selected departments in the Institute of Medicine I, Rangoon; to improve undergraduate teaching, and to promote research and post-graduate activities. The project began in 1955 and is expected to continue through 1968. *Provision:* two medical educators (continued), \$29 914; supplies and equipment, \$100.

*(b) School of Public Health and Tropical Medicine (EPTA-I)*

Burma 75

To assist the Government in establishing a school of public health and tropical medicine. The project began in 1964 with the visit of a WHO consultant and is expected to continue through 1970. *Provision:* two medical educators (continued), \$29 914; two fellowships—one of twenty-four months and one of twelve months, \$10 300; supplies and equipment, \$100.

*(c) Medical Education*

Burma 79

To improve undergraduate and post-graduate medical education; to train national teaching staff; to develop the curricula in keeping with modern concepts; and to initiate, encourage and guide research. Since 1959 assistance in pre-clinical subjects has been given to the Institute of Medicine, Mandalay (formerly the Faculty of Medicine of the University of Mandalay). It is to be continued and extended to the Institute of Medicine II at Mingaladon (Rangoon). A consultant in hospital administration was assigned to Mingaladon for two months in 1964-65 to advise on the phased development of the Institute. The project is expected to continue through 1970. *Provision:* three medical educators (continued), \$45 724; two twelve-month fellowships, \$7200; supplies and equipment, \$200.

**CEYLON***(See page 360)***1. Malaria***Eradication Programme*

Ceylon 58

To assist with the eradication programme, which is a continuation of the national antimalaria campaign. Since 1960 WHO has helped to develop entomological studies and to strengthen surveillance activities, particularly through active case-detection. The whole country has entered the consolidation phase and the Regional Assessment Team (see project SEARO 7) carried out an assessment of the programme in 1963. Outbreaks occurred in the south-west and west of the country in 1964-65 and a malariologist was to be assigned for three months to advise on measures to prevent recurrence. *Provision:* part payment of local costs, \$25 000; two fellowships, \$2000.

**2. Tuberculosis***Tuberculosis Control*

Ceylon 75

To assist in organizing a community-oriented tuberculosis control programme on a pilot basis in an area of the North-Western Province; in continuing the BCG vaccination programme and expanding it to cover the whole country; and in securing the eventual integration of tuberculosis control into the general health services. In 1965 the Government decided to embark on a national tuberculosis control programme, based on integrated BCG vaccination, case-finding and ambulatory treatment services. The feasibility of carrying out such a programme and of integrating it into other health services will be studied in one province, with a view to its extension to others. *Provision:* three consultants, each for two months, \$10 200; two fellowships, \$2400.

**3. Bacterial Diseases***Study on Diarrhoeal Diseases*

Ceylon 66

To make long-term studies of the epidemiology and control of diarrhoeal diseases and to develop further the bacteriological diagnostic facilities for enteric diseases in the principal hospitals and in the field. The project is expected to continue until early 1968. *Provision:* a microbiologist, \$14 834; a consultant in parasitology for three months, \$5100; a twelve-month fellowship, \$3600; supplies and equipment, \$100.

#### 4. Parasitic Diseases

##### *Filariasis Control (EPTA-I)*

Ceylon 56

To study the problem of filariasis control, to strengthen the filariasis control programme and to introduce such new control methods as may be indicated. *Provision*: an epidemiologist and an entomologist (both continued), \$27 892; a six-month fellowship, \$2400; supplies and equipment, \$100.

#### 5. Public Health Administration

##### (a) *Strengthening of Health Services (Epidemiology)*

Ceylon 38

Following assistance in establishing an epidemiological unit in the Health Directorate, to train national personnel in epidemiology. *Provision*: two fellowships—one of twelve months and one of six months, \$6000.

##### (b) *Institute of Hygiene, Kalutara (EPTA-I)*

Ceylon 74

To assist in developing the Institute of Hygiene as a centre for training and orientation of public health staff, and in improving and integrating the services planned. *Provision*: a consultant in public health administration for nine months, \$15 300; supplies and equipment, \$100.

##### (c) *Hospital Planning and Administration (EPTA-I)*

Ceylon 76

To assist in preparing plans and estimates in connexion with the national hospital development programme; to advise on the design of general and special services; and to train staff in hospital planning and administration. *Provision*: a twelve-month fellowship, \$3600.

##### (d) *Quality Control of Pharmaceutical Preparations*

Ceylon 77

To assist in strengthening the quality control of pharmaceutical preparations. *Provision*: a consultant for three months, \$5100.

##### (e) *Fellowships (EPTA-I)*

Ceylon 201

To train personnel in laboratory techniques. *Provision*: a twenty-four-month fellowship, \$6700.

#### 6. Vital and Health Statistics

##### *Health Statistics (EPTA-I)*

Ceylon 45

To revise the system of records and reports in the health services and to train personnel in the design of documents, processing of statistical data and other advanced techniques in medical and health statistics. A medical records department is being set up in one hospital; when it is established, formal training of medical records personnel will be started and records departments established in other hospitals. The project is expected to continue through 1968. *Provision*: a medical records officer (continued), \$9555; a fellowship, \$2100; supplies and equipment, \$1000.

#### 7. Nursing

##### *Advisory Services*

Ceylon 53

To assist in developing all aspects of basic and post-basic nursing education through the nursing unit in the Department of Health. The project began in 1960 and is expected to continue through 1968. *Provision*: two fellowships—one of twenty-four months and one of twelve months, \$10 300.

#### 8. Health Education

##### *Health Education*

Ceylon 72

To assist the Government in the evaluation of the health education programme and to advise on future developments. *Provision*: a consultant for three months, \$5100.

#### 9. Mental Health

##### *Mental Health*

Ceylon 37

To assist in strengthening the teaching in mental health in medical colleges. Following the recommendations of a WHO consultant in 1961, it is intended to establish a department of psychological medicine, initially in Colombo Medical College. The project is expected to continue through 1968. *Provision*: a professor of psychiatry (continued), \$13 332; supplies and equipment, \$100.

#### 10. Environmental Health

##### (a) *Community Water Supply*

Ceylon 64

To assist in developing piped water supplies in major towns and other community areas. The WHO sanitary engineer who joined the project in October 1963 has collected information indicating the need for improvements in existing installations and for new supply systems. Design criteria have been revised to reduce the capital cost of schemes and the unit cost of water. Priority has been given to the implementation of several urban water supply schemes. Draft legislation for the setting-up of a national water board has been finalized. *Provision*: a sanitary engineer (continued), \$14 875; a twelve-month fellowship, \$6800; supplies and equipment, \$100.

- (b) *Fellowships* Ceylon 200  
To assist in training water supply operators in water purification and control, and in related laboratory techniques. *Provision*: a twelve-month fellowship, \$3600.

## 11. Education and Training

- (a) *Medical Education* Ceylon 47  
To assist in strengthening teaching in selected subjects in the Faculties of Medicine of the University of Ceylon at Colombo and Peradeniya. The project is expected to continue through 1969. *Provision*: two medical educators (continued), \$31 730; supplies and equipment, \$100.
- (b) *Fellowships (EPTA-I)* Ceylon 201  
*Provision*: a twelve-month fellowship in medical education, \$3600.

## INDIA

(See page 362)

### 1. Malaria

#### *Eradication Programme*

India 153

To assist with the national malaria eradication programme, which started in 1958, with the assistance of the United States Agency for International Development (AID) and WHO, following a national malaria control programme. The programme has made steady progress during the past seven years. Since 1962 the work has been assessed annually by combined government, AID and WHO teams. In 1965, twelve such teams were engaged in determining the areas where spraying could be withdrawn and the maintenance phase begun. The Government has arranged to give training and orientation courses to various categories of health personnel to meet the changing needs of the programme. It is expected that nearly 90 per cent. of the area of operations will be in the maintenance phase by 1969, and the whole area by the end of 1971. The project is expected to continue through 1971. *Provision*: six malariologists/epidemiologists (continued), \$106 565; three consultants, each for one month, \$5100; travel expenses of national staff attending conferences and seminars, \$32 000; part payment of salaries to national personnel of regional co-ordinating organizations, \$90 500; a fellowship, \$2100; supplies and equipment, \$1000. In addition, provision for three malariologists for one month each for pre-consolidation and pre-maintenance assessment, \$2100.

### 2. Tuberculosis

#### (a) *Tuberculosis Chemotherapy Centre, Madras (EPTA-I)*

India 53

To assist in controlled trials to find simple, effective and inexpensive methods of tuberculosis control through domiciliary chemotherapy of ambulant patients. The studies began in December 1955 and a satisfactory system of domiciliary chemotherapy has been evolved. Studies designed to simplify methods of application and to investigate companion drugs are being undertaken. The project is expected to continue through 1969. *Provision*: a laboratory technician (continued), \$12 951; three consultants, each for three months, \$15 300; a twelve-month fellowship, \$3600; supplies and equipment, \$25 000.

#### (b) *National Tuberculosis Programme (EPTA-I)*

India 103

To assist in developing a national control programme by providing technical guidance, based on model rural and urban tuberculosis control programmes, epidemiological findings and operational research; to train sufficient public health workers of various categories for the tuberculosis control centres at district and state levels; and to develop adequate methods and procedures for assessment of the programme. The project started in October 1956 and is expected to continue through 1968. *Provision*: two medical officers, a statistician and a public health nurse (all continued) and a medical officer, an X-ray technician and a public health nurse, \$96 251; a consultant for three months, \$5100; a six-month fellowship, \$3000; supplies and equipment, \$100.

### 3. Bacterial Diseases

#### *Production of Diphtheria/Pertussis/Tetanus Vaccine, Kasauli*

India 173

To assist in developing the production of immunizing agents against diphtheria, pertussis and tetanus. *Provision*: a fellowship, \$2100.

### 4. Virus Diseases

#### (a) *National Trachoma Control Programme*

India 101

To assist with the national trachoma control programme, which provides for (i) reduction of transmission of infection, morbidity and disabling conditions in the community to the level where trachoma and secondary bacterial infections will no longer be public health problems in the areas under treatment; (ii) training of ophthalmologists, general physicians and field personnel in control measures; (iii) a programme of health education of all levels; and (iv) the integration of communicable eye-disease control into the general health services. The programme began in 1963, following a pilot project, with fifteen field units in Punjab State and twenty-five field units in Rajasthan. Small-scale treatment programmes have also been started in Gujarat, Uttar Pradesh, Bihar, Madhya Pradesh and Jammu and Kashmir. *Provision*: a trachomatologist (continued), \$16 358; supplies and equipment, \$100.



*(b) Production of Polio Vaccine*

India 178

To assist the production of oral attenuated live poliomyelitis virus vaccine and the establishment of facilities for its independent testing. Following recommendations made by a WHO consultant in 1963, facilities were established for the production of oral vaccine at the Pasteur Institute, Coonoor, and the first batch will be ready before the end of 1965. WHO has arranged for the virus control and neuro-virulence testing of the vaccine. The project is expected to continue through 1968. *Provision*: a consultant for three months, \$5100; a six-month fellowship, \$2400; supplies and equipment, \$100.

*(c) Virological Techniques and Measles Vaccine Production*

India 214

To assist the Government in establishing facilities for the diagnosis of virus diseases and in the production of vaccines used in their prevention. *Provision*: a consultant for three months, \$5100.

*(d) Fellowships (EPTA-I)*

India 201

To train personnel in the techniques of production of freeze-dried smallpox vaccine. *Provision*: a fellowship, \$2100.

**5. Leprosy***Leprosy Control*

India 81

To assist in developing a country-wide programme of leprosy control; to provide technical direction for a leprosy control project maintained by the Danish "Save the Children" organization; and to train leprosy auxiliary personnel. The project began in January 1961 and is expected to continue through 1968. *Provision*: two leprologists (continued), \$32 225; supplies and equipment, \$100.

**6. Public Health Administration***(a) Public Health Programme, Maharashtra and Madras (EPTA-I)*

India 150

To assist in the development of a rural environmental sanitation programme and to improve the training of environmental sanitation staff. The second phase of the project started in 1963. *Provision*: a sanitarian (continued), \$14 340; supplies and equipment, \$100.

*(b) Strengthening of Health Services (Epidemiology) (EPTA-I)*

India 182

To assist states in establishing or improving health intelligence units in the health directorates and in training staff in epidemiology, health statistics, microbiology and communicable disease control; and to assist in developing the National Institute of Communicable Diseases, Delhi. The project is expected to continue through 1968. *Provision*: a teacher of epidemiology and a bacteriologist (both continued), \$33 479; two consultants, each for four months, \$13 600; four six-month fellowships, \$9600; supplies and equipment, \$1000.

*(c) Strengthening of District Health Administration*

India 185

To study the organization of district health services and assist in developing them so as to provide the maximum service to the public with the resources available. The project started in 1964 and is expected to continue through 1969. *Provision*: two public health officers, two public health nurses and two sanitarians (one of each continued), \$83 203; supplies and equipment, \$200.

*(d) Strengthening of Laboratory Services*

India 188

To assist the Government in strengthening health laboratory services and in improving the training of laboratory technicians. The project started in 1965 with assistance to the Medical College, Trivandrum, where a one-year course for training laboratory technicians for the laboratories in primary health centres has been started. A similar training programme is to start at Chandigarh at the end of 1965 and a two-year course for technicians for medical college and general hospital laboratories is planned for 1966. The project is expected to continue through 1968. *Provision*: two laboratory technicians (continued), \$22 839; a twenty-four month fellowship, \$6700; supplies and equipment, \$100.

*(e) Urban Health Development*

India 189

To assist in the organization and development of comprehensive urban health services and in the training of personnel for work in urban communities. The project is expected to continue through 1968. *Provision*: two consultants, each for three months, \$10 200; supplies and equipment, \$150.

*(f) Development of Health Services in Community Development Areas*

India 191

To strengthen the development of rural health services and to train staff, including multi-purpose health auxiliaries. Assistance in reorganizing the district health organization in Punjab was given in 1964 and it is planned to assist other states in developing rural health services in community development areas. The project is expected to continue until early 1968. *Provision*: two public health officers (continued), \$30 434; supplies and equipment, \$100.

*(g) National Institute of Health Administration and Education*

India 218

To assist the Government in the teaching of hospital administration and in planning comprehensive district health services. The project, which started in 1965, is expected to continue through 1969. *Provision*: a hospital administrator (continued), \$18 289; supplies and equipment, \$100.

**7. Vital and Health Statistics***(a) Indian Council of Medical Research (Statistics)*

India 121

To assist the Indian Council of Medical Research in setting up a statistical unit at its headquarters and in organizing and coordinating medical research. *Provision*: a statistician (continued), \$16 331; a twelve-month fellowship, \$3600; supplies and equipment, \$100.

- (b) *Fellowships* India 200  
 To train staff of the All-India Institute of Hygiene and Public Health, Calcutta, in the teaching of epidemiology and health statistics. *Provision*: two twelve-month fellowships, \$7200.

## 8. Dental Health

- Improvement of Dental Education (EPTA-I)* India 208  
 To assist in improving and strengthening dental education and research in a selected dental college. The project is expected to continue through 1968. *Provision*: two teachers in dentistry (continued), \$28 072; two twelve-month fellowships, \$7200; supplies and equipment, \$100.

## 9. Nursing

- (a) *Short Courses for Nursing Personnel* India 98  
 To train nurses in the organization, conduct and evaluation of short courses for nursing personnel and to introduce them to new nursing concepts and practice. The project started in 1957 and is expected to continue through 1968. *Provision*: two nurse educators (one continued), \$29 163; two six-month fellowships, \$4800; supplies and equipment, \$100.

- (b) *Integration of Public Health into Nursing Education (EPTA-I)* India 99  
 To assist in establishing professional and auxiliary nursing education programmes in accordance with the pattern laid down by the Indian Nursing Council; and in providing clinical practice for students of post-basic courses in hospital nursing schools and associated public health fields. The project started in September 1957. *Provision*: two nurse educators (continued), \$29 177; supplies and equipment, \$100.

- (c) *Nursing Advisers to States (EPTA-I)* India 110  
 To assist states in developing an efficient nursing administration at directorate level and in securing proper co-ordination of nursing services and education for all grades of nursing personnel. The project began in December 1957 and is expected to continue through 1968. *Provision*: three nursing advisers (continued), \$41 339; a twelve-month fellowship, \$3600; supplies and equipment, \$150.

- (d) *Post-basic Nursing Education* India 136  
 To assist in expanding post-basic nursing education, with emphasis on degree programmes that offer professional specialization in teaching, administration, public health, or one of the clinical specialties. Since 1962 assistance has been provided to five centres in which post-basic programmes are being developed. The project is expected to continue through 1970. *Provision*: six nurse educators (continued), \$78 103; two consultants, each for three months, \$10 200; four twelve-month fellowships, \$14 400; supplies and equipment, \$100.

- (e) *Nursing Administration (EPTA-I)* India 212  
 To develop sound nursing administration in teaching hospitals, and to promote in-service training and co-ordination of nursing services. The project is expected to continue through 1970. *Provision*: two nursing administrators, \$22 788; supplies and equipment, \$150.

- (f) *Study of Nursing Services* India 223  
 To assist in a study of nursing service personnel in a given area of activity—in the first place, auxiliary nurse/midwives in primary health centres and subcentres—using the methodology that is being tested in the field. The project is expected to continue through 1968. *Provision*: a consultant for nine months, \$15 300; supplies and equipment, \$100.

## 10. Social and Occupational Health

- Medical Rehabilitation* India 194  
 To assist in the expansion of medical rehabilitation services, including the establishment of regional rehabilitation centres in some main cities and rehabilitation units in selected medical colleges, and in the expansion of facilities at the All-India Institute of Physical Medicine and Rehabilitation, Bombay. Following the recommendations of two WHO consultants in 1963, the Government has approved a rehabilitation scheme for the fourth five-year plan. The project is expected to continue through 1968. *Provision*: a medical rehabilitation specialist (continued), \$14 298; supplies and equipment, \$100.

## 11. Health Education

- (a) *Health Education (EPTA-I)* India 108  
 To assist in the development of state health education bureaux at the health directorate level. These bureaux are being organized according to the Central Health Education Bureau plan, which includes the establishment of a field study and demonstration unit to serve as a field laboratory. The project is expected to continue through 1968. *Provision*: a health educator (continued), \$16 032; a consultant for six months, \$10 200; a twelve-month fellowship, \$6800; supplies and equipment, \$2500.

- (b) *Health Education in Schools* India 180  
 To assist in developing health education in basic teacher-training courses and teacher-training institutions throughout the country. In this connexion WHO is helping to organize workshops and seminars for the staff of teacher-training institutions and for other leaders. The project began in 1964. *Provision*: a health educator (continued), \$12 783; a twelve-month fellowship, \$6800; supplies and equipment, \$100.

*(c) Training in Health Education*

India 190

To assist in establishing three post-graduate training centres in health education and in preparing a curriculum for a health education course, to be organized in the first instance at the All-India Institute, Calcutta. As from 1965, assistance will be given in organizing short courses and other activities to provide training in health education for staff of the centres and in charge of field training. *Provision*: a professor in health education (continued for six months), \$8049; a twelve-month fellowship, \$6800; supplies and equipment, \$100.

**12. Maternal and Child Health***Paediatric Education*

India 114

To assist paediatric departments of selected medical colleges and non-teaching and district hospitals. The assistance in paediatrics given to medical colleges in several states since 1956 was consolidated in 1958 into a single project. *Provision*: three paediatric nurses (continued), \$38 181; three consultants, each for three months, \$15 300; supplies and equipment, \$100.

**13. Nutrition***Applied Nutrition Programme*

India 181

To assist in expanding and improving the health component of the FAO/UNICEF/WHO-assisted applied nutrition programme, particularly as regards the health and nutrition of mothers and children. The programme is in operation in nine states and one union territory and has been initiated in four more states. Plans for expansion to the remaining states and union territories are under discussion. Assistance is expected to continue through 1968. *Provision*: a public health officer (continued), \$16 006; supplies and equipment, \$100.

**14. Radiation and Isotopes***(a) Training of Technicians (Radiographers)*

India 187

To assist in improving the training of radiographers, particularly as regards the maintenance of equipment and avoidance of radiation hazards. The project is expected to continue through 1968. *Provision*: a tutor radiographer, \$11 117; supplies and equipment, \$100.

*(b) Radiation Medicine Centre, Bombay*

India 192

To assist in strengthening the Radiation Medicine Centre, Bombay. The project started in 1963, when a consultant was provided to advise on the establishment and organization of the centre, and is expected to continue through 1968. *Provision*: a consultant for nine months, \$15 300; a twenty-four-month fellowship, \$6700.

**15. Environmental Health***(a) Central Public Health Engineering Research Institute, Nagpur*

India 176

To develop the Institute as a major research centre for environmental sanitation problems, to co-ordinate research programmes and to train research workers. The project is jointly assisted by WHO and the United Nations Special Fund, which is providing equipment worth \$525 000. WHO assistance began in 1961. *Provision*: three consultants, each for two months, \$10 200; supplies and equipment, \$100.

*(b) Public Health Engineering Education (EPTA-I)*

India 210

To assist the Government in the education and training of sanitary engineers and in the development of advanced courses in design for community water supply programmes. In the first place assistance in developing the post-graduate course for public health engineers is being given to the Victoria Jubilee Technical Institute, Bombay. *Provision*: a professor of sanitary engineering (continued), \$15 728; two six-month fellowships, \$10 000; supplies and equipment, \$100.

*(c) Environmental Health (States Undesignated) (EPTA-I)*

India 211

To assist in developing advanced training programmes for senior sanitarians and sanitarian supervisors. The project is expected to continue until early 1968. *Provision*: a sanitarian (continued), \$9875; supplies and equipment, \$100.

*(d) Water Pollution Control Programme*

India 226

To provide technical advice on organizational and other matters related to the prevention and control of water pollution. *Provision*: two consultants, each for two months, \$6800.

*(e) Rural Water Supplies*

India 227

To assist the Government in studying and analysing the data on rural water supply projects being developed with assistance from WHO and UNICEF and to make recommendations on the continuation and expansion of the activities. *Provision*: three consultants, each for two months, \$10 200.

**16. Education and Training***(a) Medical Education*

India 111

To assist in strengthening selected medical colleges. In the latter part of 1965, workshops on teaching methods were arranged in medical colleges in Delhi, Benares, Baroda and Hyderabad for teachers from medical colleges in the adjacent area; in 1966 and 1967 modern teaching in various disciplines will be demonstrated in certain medical colleges by groups of consultants. *Provision*: six consultants, each for three months, \$30 600; supplies and equipment, \$100.

(b) *Medical Education, Gujarat (EPTA-I)*

India 183

To assist in the development of medical education and medical research. Since 1963 WHO has been providing teams of medical educators, short-term consultants, technicians, and supplies and equipment to develop the faculty of Baroda Medical College. Fellowships for advanced training of national counterparts have also been provided. Assistance is expected to continue through 1968. *Provision*: reimbursement to the University of Edinburgh for salaries, etc., of six medical educators, \$71 300; three consultants, each for three months, \$15 300; per diem and travel costs, \$25 400; two twelve-month and two twenty-four-month fellowships, \$20 600; supplies and equipment, \$5000.

(c) *Seminars and Workshops on Medical Education*

India 221

To assist with seminars in specialized fields organized by the Indian Academy of Medical Sciences in order to strengthen medical teaching in the country. The project is planned to continue through 1968. *Provision*: a consultant for three months, \$5100.

**17. Other Activities***Drug Laboratory Techniques and Biological Standardization*

India 222

To assist the Government in developing an organization for improved quality control of drugs and for training national personnel in this field. The project is expected to continue through 1968. *Provision*: a consultant for three months, \$5100; two twelve-month fellowships, \$7200; supplies and equipment, \$4000.

**INDONESIA***(See page 365)***1. Malaria**(a) *Eradication Programme*

Indonesia 32.01

To assist with the eradication programme, which started in 1959, and which has been assisted also by the United States Agency for International Development. Eradication activities are in progress in the Provinces of Java, Bali and South Sumatra. Spraying has been withdrawn from thirty-five of the forty-two areas. The project is expected to continue through 1974. *Provision*: two malariologists, an epidemiologist, a sanitary engineer, an entomologist and a clerk-typist (all continued), \$88 093; six fellowships, \$6000; supplies and equipment, \$5000.

(b) *Pre-eradication Programme, West Irian*

Indonesia 32.02

To assist in building up the technical, administrative and operational services for a malaria eradication programme. The plan of operation for the pre-eradication programme was signed in August 1964 and assistance is expected to continue until early 1968. *Provision*: a malariologist (continued), \$15 111; supplies and equipment, \$1000.

**2. Tuberculosis***Tuberculosis Control*

Indonesia 50

To assist the national tuberculosis programme in training staff in case-finding and ambulatory treatment techniques and methods and in setting up a central tuberculosis epidemiological unit to direct the control operations throughout the country. The project started in July 1961. The urban tuberculosis programme in Jogjakarta and Surabaya has continued satisfactorily. In Malang a rural pilot project was started in September 1964. Vaccination with freeze-dried BCG vaccine has been introduced. *Provision*: a medical officer and a statistician (both continued), \$37 392; three consultants, each for three months, \$15 300; two twelve-month fellowships, \$7200; supplies and equipment, \$100.

**3. Leprosy***Leprosy Control*

Indonesia 9

To assist in developing a leprosy control programme, within the framework of the general health services, in all endemic areas of the country, and in training personnel. The project started in 1955. *Provision*: a leprologist (continued), \$19 666; a six-month fellowship, \$2400; supplies and equipment, \$100.

**4. Public Health Administration**(a) *Strengthening of Health Services*

Indonesia 55

To assist the Government in developing a comprehensive health service providing general health coverage adequate in quantity and in quality. WHO assisted this project, mainly in Java, from 1959 to 1962. In addition, information on the existing health services in the outer islands has been collected and a revised draft plan of operations for assistance in Kalimantan has been prepared. The project is expected to continue until 1971. *Provision*: a public health officer (continued), \$16 539; supplies and equipment, \$100.

(b) *Laboratory Services*

Indonesia 60

To assist in strengthening the laboratory services. The Government has prepared a plan for the strengthening of health laboratory services at central and provincial levels. The Bio-Farma Institute, Bandung, has been nominated as the central public health laboratory for the country. The project is expected to continue through 1968. *Provision*: a microbiologist (continued), \$16 539; two fellowships—one of twelve months and one of six months, \$6000; supplies and equipment, \$100.

**(c) Rural Health Development**

Indonesia 67

To assist the Government in developing an integrated rural health service, consistent with facilities and resources, in West Irian. The project is expected to continue until 1971. *Provision*: a public health officer (continued), \$14 856; supplies and equipment, \$100.

**5. Vital and Health Statistics***Fellowships*

Indonesia 200

To train a statistician in health statistics and epidemiology. *Provision*: a twenty-four-month fellowship, \$6700.

**6. Nursing***Nursing Education*

Indonesia 41

To assist in upgrading and expanding educational programmes for nurses and midwives. The project began in 1957 and is expected to continue through 1968. A division of nursing has been set up in the curative health services under the new organization of the Ministry of Health. Emphasis will now be placed on post-basic and improved basic nursing education programmes. *Provision*: a nursing adviser (continued), \$14 461; a twelve-month fellowship, \$3600; supplies and equipment, \$100.

**7. Social and Occupational Health***School of Physical Therapy, Solo*

Indonesia 65

To assist in improving and expanding the training of physical therapists and in developing physical medicine and rehabilitation services. The project started in 1963. *Provision*: a physical therapy tutor (continued), \$16 147; supplies and equipment, \$100.

**8. Maternal and Child Health***Paediatric Training and Services*

Indonesia 36

To assist in expanding, reorienting and improving the training of medical and nursing students in promotional, preventive and curative child care in a number of paediatric departments of medical schools. *Provision*: a paediatrician and a paediatric nurse (both continued), \$27 015; two six-month fellowships, \$4800; supplies and equipment, \$100.

**9. Radiation and Isotopes***School for the Training of Technicians in Electro-medical Techniques*

Indonesia 69

To assist in establishing a school for the training of technicians for the maintenance and repair of X-ray and electro-medical equipment. *Provision*: a specialist in electro-medical techniques (continued), \$13 812; supplies and equipment, \$100.

**10. Environmental Health***Training in Sanitary Engineering*

Indonesia 61

To assist in education, training and research in environmental sanitation programmes and in research on the public health aspects of housing. The project is expected to continue until early 1968. *Provision*: a sanitary engineer (continued), \$16 539; supplies and equipment, \$1000.

**11. Education and Training***(a) Medical Education*

Indonesia 62

To assist selected departments of various faculties of medicine. Assistance has been provided to Gadjah Mada University, Jogjakarta, since 1964 and to the Faculty of Medicine in Djakarta since 1965. In 1967 consultants will make an assessment of medical education in the country and assist in conducting workshops on teaching methods. The project is expected to continue through 1970. *Provision*: three medical educators (continued), \$47 390; three consultants for five months each and three consultants for three months each, \$35 700; three twelve-month fellowships, \$10 800; supplies and equipment, \$100.

*(b) Education and Training of Public Health Staff*

Indonesia 74

To assist the Government in training staff, especially paramedical personnel, for the public health services. The project is expected to continue through 1968. *Provision*: three consultants for six months each and two consultants for three months each, \$40 800; two twelve-month fellowships, \$7200; supplies and equipment, \$1000.

**MALDIVIVE ISLANDS***(See page 366)***1. Malaria***Fellowships*

Maldivive Islands 200

To assist in developing a malaria service and in gathering technical and logistic information which can be used in planning a malaria eradication programme. Following a preliminary study of the malaria situation in 1964, a WHO consultant assisted in 1965 in planning antimalaria activities as part of the WHO-assisted public health administration project—Maldivive Islands 5 (see below). *Provision*: a fellowship, \$1000.

## 2. Public Health Administration

### *Public Health Administration*

Maldives Islands 5

To assist in developing comprehensive basic health services and in training personnel, including men and women health auxiliaries. The project is expected to continue through 1971. *Provision:* a public health officer, a public health nurse, a laboratory technician and a sanitarian (all continued), \$43 228; supplies and equipment, \$16 000.

## MONGOLIA

(See page 367)

### 1. Tuberculosis

#### *Tuberculosis Control (EPTA-I)*

Mongolia 3

To study the epidemiology of tuberculosis and to advise on a national tuberculosis control programme. A plan of operations was prepared in 1965, in accordance with the recommendation of a consultant who visited the project in 1963. The programme is to be integrated into the health services, and emphasis will be placed on ambulatory treatment. *Provision:* a medical officer and a public health/BCG nurse (both continued), \$24 355; a consultant in statistics for six months, \$10 200; supplies and equipment, \$100.

### 2. Public Health Administration

#### (a) *Strengthening of Health Services (Epidemiology)*

Mongolia 1

To undertake epidemiological surveys of the prevailing communicable diseases in order to plan practical control measures and to advise all branches of the medical and health services on the use of epidemiological methods. The project started in 1963. Field epidemiological investigations of brucellosis in man and domestic animals have been started and, in collaboration with a WHO reference laboratory, immunological surveys of poliomyelitis, influenza viruses, arboviruses and rickettsioses have been carried out. In 1964 a WHO consultant assisted in planning and initiating *Brucella* vaccine trials in man and animals, and intensified training in brucellosis and general epidemiology have been carried out in Ulan Bator. *Provision:* an epidemiologist, a veterinary public health officer and a bacteriologist (all continued), \$42 531; a consultant for three months, \$5100; two twelve-month fellowships in epidemiology and statistics, \$7200; supplies and equipment, \$2600.

#### (b) *Public Health Laboratory Services (EPTA-I)*

Mongolia 2

To assist the Government in developing health laboratory services and to train personnel in health laboratory procedures and practices. *Provision:* a microbiologist (continued), \$13 942; a twelve-month fellowship, \$3600; supplies and equipment, \$100.

### 3. Maternal and Child Health

#### *Maternal and Child Health Services (EPTA-I)*

Mongolia 4

To review the maternal and child health services in rural and urban areas and to advise on their strengthening, on methods of integrating them into the general health services and on measures for improving and expanding relevant training programmes. *Provision:* a consultant for three months, \$5100; supplies and equipment, \$100.

### 4. Environmental Health

#### *Community Water Supply (EPTA-I)*

Mongolia 5

To assist in improving water supplies in towns; to investigate the possibility of providing cheap water supplies and assist in developing a programme. The project is expected to continue through 1968. *Provision:* a sanitary engineer (continued), \$14 642; a twelve-month fellowship, \$6800; supplies and equipment, \$100.

### 5. Education and Training

#### *Fellowships (Regular and EPTA-I)*

Mongolia 200 and 201

To train medical teachers. *Provision:* under the regular budget—three six-month fellowships, \$7200; under the Expanded Programme—three six-month fellowships, \$7200.

## NEPAL

(See page 367)

### 1. Malaria

#### *Eradication Programme*

Nepal 1

To assist with the eradication programme, which is also assisted by the United States Agency for International Development. Under this programme, which began in December 1958, the country is divided into four zones (two central, one east and one west). Activities were at first concentrated in the central zones, which were used for the training of personnel and for evolving organizational patterns. The programme was then extended to the east zone, where the attack phase began in 1964 and where geographical reconnaissance has been completed. In the west zone, spraying operations are planned to start in November 1965, after the completion of geographical reconnaissance. A comprehensive plan of operations extending to 1973 has been prepared. Assistance is expected to continue through 1973. *Provision:* four malariologists, an entomologist, an administrative officer, five sanitarians, a laboratory technician, an administrative assistant, three supply assistants, a clerk-stenographer and three clerk-typists (all continued), \$202 470; fellowships, \$2800; supplies and equipment, \$12 200.

## 2. Tuberculosis

### *Tuberculosis and Other Communicable Diseases*

Nepal 16

To assist the Government in developing control services for tuberculosis, leprosy and other endemic diseases in the Kathmandu valley and in training health personnel. *Provision*: a medical officer, a public health/BCG nurse and a leprosy control officer (all continued), \$44 008; two consultants, each for three months, \$10 200; three fellowships, \$4700; supplies and equipment, \$100.

## 3. Virus Diseases

### *Smallpox Control Pilot Project*

Nepal 9

To assist with a smallpox control pilot project in the Kathmandu valley and with its subsequent expansion. Assistance started in February 1962. Staff have been trained and a smallpox vaccination campaign has been undertaken in the Kathmandu valley. In 1966 and 1967 it is planned to extend the vaccination campaign to several more districts. *Provision*: a smallpox control officer (continued for six months), \$8000; two fellowships, \$2000; supplies and equipment, \$2600.

## 4. Public Health Administration

### (a) *Health Laboratory Services (EPTA-I)*

Nepal 10

To assist in developing health laboratory services in order to provide better diagnostic services and epidemiological information. A design has been drawn up for a new laboratory to serve the hospital and public health services and new premises are under construction. *Provision*: a consultant for three months, \$5100; a twelve-month fellowship, \$3600.

### (b) *Fellowships*

Nepal 200

To train staff in epidemiology, with a view to strengthening epidemiological and communicable disease control services. *Provision*: two fellowships—one of twelve months and one of six months, \$6000.

## 5. Vital and Health Statistics

### *Vital and Health Statistics (EPTA-I)*

Nepal 17

To assist the Government in arranging for the efficient collection, processing and presentation of hospital statistics. The project is expected to continue through 1968. *Provision*: a consultant for three months, \$5100; supplies and equipment, \$100.

## 6. Nursing

### *Nursing Education (EPTA-I)*

Nepal 2

To assist in setting up a basic nursing school to prepare qualified nurse/midwives for the health services, in upgrading nursing services in the Bir Hospital and in improving clinical practice facilities for student nurses. The project started in 1954 and is expected to continue through 1968. *Provision*: a nurse administrator (continued) and a nurse educator, \$22 096; a twelve-month fellowship, \$3600; supplies and equipment, \$100.

## 7. Health Education

### *Health Education*

Nepal 19

To assist the Government to plan health education in the basic health services and special projects and to use to the best advantage the services of their trained educators. Advice will also be provided on the health education content of an education project assisted by UNESCO and UNICEF. *Provision*: a consultant for three months, \$5100.

## 8. Maternal and Child Health

### *Maternal and Child Health Services and Training*

Nepal 8

To assist in the development of maternal and child health services and in the establishment of referral facilities. The project started in 1963. Maternal and child health services have been established in the Kathmandu valley and are to be expanded to three zones in 1965-66. *Provision*: a maternal and child health officer and a public health nurse (both continued), \$31 453; supplies and equipment, \$100.

## 9. Environmental Health

### *Community Water Supply*

Nepal 14

To assist the Government to plan and co-ordinate the development of community water supplies. The project started in 1964. *Provision*: a sanitary engineer (continued), \$17 117; a consultant for six months, \$10 200; supplies and equipment, \$100.

## 10. Education and Training

### (a) *Training of Health Assistants, Kathmandu (EPTA-I)*

Nepal 3

To assist in the training of health assistants and to advise on their effective utilization in the rural health services. Basic comprehensive health services are to be developed, initially in the malaria eradication areas and later throughout the country. The project is expected to continue through 1972. *Provision*: two public health officers (one continued), \$27 317; supplies and equipment, \$100.

(b) *Medical Education*

Nepal 15

To assist the Government in preparing for the establishment of a medical school. A consultant was assigned in early 1963 to survey the facilities for setting up a medical school and follow-up visits are planned for 1966 and 1967. Assistance is expected to continue through 1970. *Provision*: a consultant for three months, \$5100; a twelve-month fellowship, \$3600; supplies and equipment, \$100.

## THAILAND

(See page 369)

## 1. Malaria

*Eradication Programme*

Thailand 65

To assist with the eradication programme. This continues the malaria control project that was started in northern Thailand in 1949 with assistance from UNICEF and WHO and expanded between 1951 and 1960, with the help of the United States Agency for International Development (AID), to cover a large part of the country. The programme was reorganized on the basis of the findings of a WHO assessment team which worked in Thailand from May 1959 to mid-1961. An independent assessment of activities was carried out in 1963 by a joint AID/WHO team. AID continues to provide assistance. WHO assistance is expected to continue through 1972. *Provision*: a malariologist/epidemiologist, an entomologist, a sanitary engineer, five sanitarians and a translator/typist (all continued), \$118 650; fellowships, \$2000; supplies and equipment, \$3100.

## 2. Tuberculosis

*Tuberculosis Control (EPTA-I)*

Thailand 42

To assist in developing a provincial tuberculosis programme suitable for all parts of the country and based on the experience gained in urban and rural pilot projects in which the organization of case-finding and treatment services are demonstrated and personnel trained. The first pilot project was started in 1958, after which a mass campaign to cover the whole urban population of Bangkok/Thonburi was begun. A rural pilot project has been completed in Chiangmai, where control operations have been continued, and a third pilot area has been set up in Khon Kaen. The project is expected to continue through 1969. *Provision*: a medical officer (continued), \$17 697; three consultants, each for three months, \$15 300; three fellowships, \$8400; supplies and equipment, \$100.

## 3. Parasitic Diseases

*Filariasis Control*

Thailand 12

To assist the Government in developing filariasis control measures, in accordance with the recommendations of WHO consultants who visited the country in 1963 and 1965. *Provision*: a consultant for six months, \$10 200; a six-month fellowship, \$2400; supplies and equipment, \$100.

## 4. Virus Diseases

(a) *Trachoma Control*

Thailand 43

To assist in developing a trachoma control programme, integrated into the public health services, in the areas where trachoma is endemic. The trachoma problem was studied by WHO consultants in 1959 and 1961 and a trachomatologist, assigned to a pilot project in 1962, has continued to assist with the programme. Integration of trachoma control into the health services in fifty villages around seven health centres has been completed. Further prevalence surveys have been carried out in the northern and north-eastern provinces. *Provision*: a consultant for three months, \$5100; a twelve-month fellowship, \$3600; supplies and equipment, \$100.

(b) *Vector-borne Disease Control (Haemorrhagic Fever)*

Thailand 70

To study the epidemiological factors responsible for the persistence of haemorrhagic fever, and particularly the bionomics of the vectors, in order to advise on control measures. In accordance with the recommendations of a WHO consultant in 1963, the Government has completed a pilot project for the control of *Aedes aegypti* in a district of Bangkok. In 1965 another WHO consultant advised on further studies of *A. aegypti*. *Provision*: a consultant for six months, \$10 200; a twelve-month fellowship, \$3600; supplies and equipment, \$100.

## 5. Leprosy

*Leprosy Control*

Thailand 30

To assist in expanding and intensifying the leprosy control programme to cover all endemic areas, and to train personnel. Assistance began in October 1955. Following a joint assessment by the Government and the WHO leprosy advisory team, a consultant leprologist was assigned to the project in May 1964, in addition to the two leprologists and two leprosy control officers already in the field. The consultant leprologist has helped to co-ordinate and organize the consolidation of the programme, especially in the northern and north-eastern provinces, where prevalence is highest. *Provision*: two leprologists and two leprosy control officers (all continued), \$67 106; a twelve-month fellowship, \$3600; supplies and equipment, \$100.

## 6. Veterinary Public Health

*Fellowships (EPTA-I)*

Thailand 201

To train personnel in epidemiology and control of the major zoonoses. *Provision*: a twelve-month fellowship, \$3600.



## 7. Public Health Administration

### (a) *Strengthening of Health Services (Integration of Specialized Programmes)* (EPTA-I) Thailand 2

To assist the Government in the integration of specialized communicable-disease control programmes into the general health services and in the further development and organization of rural health services. This project has developed from a yaws control project into one for the development of community health services. In this phase of the project, which began in 1964, the provincial health services are being built up and staff are being given additional training. The project is expected to continue through 1968. *Provision:* a public health officer and a public health nurse (both continued), \$26 777; supplies and equipment, \$100.

### (b) *Strengthening of Health Services (Epidemiology)* (EPTA-I) Thailand 59

To assist in establishing an epidemiological unit in the Department of Health for the purpose of defining the prevailing disease pattern and planning control measures. *Provision:* a consultant for six months, \$10 200; two twelve-month fellowships, \$7200; supplies and equipment, \$100.

### (c) *Urban Health Services* (EPTA-I) Thailand 74

To assist in the development of comprehensive urban health services and in the training of personnel for work in urban communities. *Provision:* three consultants, each for three months, \$15 300; two twelve-month fellowships, \$7200; supplies and equipment, \$100.

### (d) *Strengthening of Laboratory Services* Thailand 75

To assist the Government in strengthening health laboratory services. *Provision:* a consultant for four months, \$6800.

## 8. Vital and Health Statistics

### *Vital and Health Statistics* Thailand 37

To help the Division of Vital Statistics in developing its Health Statistics Section and in training personnel in modern statistical techniques. *Provision:* a twelve-month fellowship, \$3600.

## 9. Nursing

### *Advisory Services* (EPTA-I) Thailand 21

To assist in establishing, in one of the universities, a college of nursing to enable nurses to qualify for a degree in their own country. Also, to continue assistance to the division of nursing that has been set up in the Ministry of Health. The project started in 1954 and is expected to continue through 1968. *Provision:* two nurse educators (one continued) and a nursing adviser, \$31 075; four twelve-month fellowships, \$14 400; supplies and equipment, \$100.

## 10. Social and Occupational Health

### *Physical Therapy Training* (EPTA-I) Thailand 73

To develop the training of physical therapists for the expansion of orthopaedic and rehabilitation services. *Provision:* a physical therapist (continued), \$11 123; a twelve-month fellowship, \$3600; supplies and equipment, \$100.

## 11. Health Education

### (a) *Health Education* Thailand 76

To assist the Government in developing a course in health education at the School of Public Health. *Provision:* a consultant for six months, \$10 200.

### (b) *Health Education (Teacher-training)* Thailand 77

To assist the Government in strengthening health education in schools and teacher-training programmes, and in including health education in the syllabuses and textbooks. In addition, advice will be given on the health aspects of an education project assisted by UNESCO and UNICEF. The project is expected to continue through 1968. *Provision:* a health educator, \$13 792; supplies and equipment, \$100.

## 12. Maternal and Child Health

### *Departments of Paediatrics* Thailand 58

To improve paediatric education, particularly in its promotional and preventive aspects. A WHO visiting professor of paediatrics assisted, from 1962 to 1964, in improving the training in paediatrics given to medical students and nurses. *Provision:* a consultant for three months, \$5100.

## 13. Mental Health

### *Mental Health Education and Services* Thailand 17

To strengthen training programmes for psychiatric nursing and to assist in improving the mental health services. Assistance started in 1955 with the provision of a psychologist for two years, and in 1958-59 and 1963-64 consultants made recommendations on further development of the mental health services. A WHO nurse was assigned in January 1965. An in-service training programme is being carried out and the course for student nurses is being revised to include new concepts in mental health. By 1967 it is planned to have a post-basic course to prepare teachers in psychiatric nursing. The project is expected to continue through 1968. *Provision:* a psychiatric nursing adviser (continued), \$16 087; supplies and equipment, \$100.

**14. Radiation and Isotopes**

- (a) *Radiation Protection Services* Thailand 67

To assist the Government in developing radiation protection measures and in establishing a division of radiation health protection in the Ministry of Public Health. WHO provided consultants in 1963 and 1965 and further consultant visits are planned for 1966 and 1967. The Government of New Zealand is co-operating in the project by providing fellowships under the Colombo Plan to train key staff of the division. *Provision:* a consultant for four months, \$6800.

- (b) *School for Radiological Technology, Bangkok (EPTA-I)* Thailand 71

To assist in establishing a school for the training of radiographers, in accordance with the recommendations of a WHO X-ray engineer assigned to Thailand for six months in 1962-63. The project started in 1965. *Provision:* a radiography tutor (continued), \$17 134; a twelve-month fellowship, \$3600; supplies and equipment, \$100.

**15. Education and Training**

- (a) *School of Public Health, Bangkok* Thailand 38

To study and advise on the development of the maternal and child health component of the courses of studies in the School of Public Health. As from December 1955, assistance has been given periodically to various departments of the School. *Provision:* a consultant for three months, \$5100.

- (b) *School of Tropical Medicine and Endemic Diseases* Thailand 57

To strengthen the post-graduate School of Tropical Medicine and Endemic Diseases of the University of Medical Sciences, Bangkok. Consultants in various fields have been provided, starting with a consultant to advise on planning and organizing the faculty in 1959, and assistance is expected to continue through 1968. *Provision:* a consultant for six months, \$10 200; two twelve-month fellowships, \$7200.

- (c) *Fellowships (EPTA-I)* Thailand 201

To train teaching staff. *Provision:* two twelve-month fellowships, \$7200.

**INTER-COUNTRY PROGRAMMES**

(See page 371)

**1. Malaria**

- (a) *Regional Assessment Team on Malaria Eradication* SEARO 7

To make an independent appraisal of the status of malaria eradication or of any special aspects of the programme in countries of the Region. From April to June 1965 the team assisted with an appraisal of the programme in Nepal, and in mid-June the malariologist and a laboratory technician began a study of the problem of reported chloroquine resistance in Thailand. The project is expected to continue through 1968. *Provision:* a malariologist, an entomologist and a laboratory technician (all continued), \$51 020; supplies and equipment, \$1000.

- (b) *Regional Centre for Cross-checking Blood Films* SEARO 94

To provide facilities for external cross-checking of blood films from malaria eradication programmes in the Region. The regional centre was established at the Central Research Institute, Kasauli, in June 1963. *Provision:* assistance with local costs, \$6500.

- (c) *Advisory Services* SEARO 123

To assist the governments of the Region in any special assessments or studies of malaria eradication programmes. *Provision:* a consultant for six months, \$10 200.

**2. Tuberculosis**

- Regional Tuberculosis Training and Evaluation Team (EPTA-I)* SEARO 113

To provide training in tuberculosis; to assist operational research in connexion with the tuberculosis control programmes in the Region, their integration into the general health services and their assessment; and to give practical assistance to national tuberculosis programmes after the withdrawal of international personnel. The project is expected to continue through 1968. *Provision:* a medical officer, a statistician, a public health/BCG nurse and a laboratory technician, \$44 506; supplies and equipment, \$500.

**3. Bacterial Diseases**

- (a) *Diphtheria/Pertussis/Tetanus Vaccine Production* SEARO 117

To assist in the production of the triple vaccine. Production has started in Burma, India and Indonesia and control tests on the first batches have given satisfactory results. Additional equipment is being supplied by UNICEF and WHO to increase production. Visits to the production centres will be arranged in 1966 and 1967. *Provision:* a consultant for four months, \$6800; two fellowships, \$2400; supplies and equipment, \$100.

- (b) *Production of Typhoid Vaccine* SEARO 124

To assist the governments of the Region in converting their facilities for the production of typhoid vaccine from heat-killed phenol-preserved vaccine to acetone-dried vaccine, in order to facilitate systematic immunization programmes of susceptible age-groups. *Provision:* a consultant for four months, \$6800; two fellowships, \$2400.

(c) *Plague Epidemiology*

SEARO 125

To assist governments of the Region in assessing the factors responsible for the persistence of plague or in studying any potential plague foci. *Provision*: a consultant for four months, \$6800.

4. **Parasitic Diseases**

*Filariais Epidemiology*

SEARO 76

To carry out research on filariasis in order to find more effective control methods. The epidemiologist/parasitologist assigned to this project assists with the studies carried out by the Filariasis Research Unit, Rangoon (see project Inter-regional 271). *Provision*: an epidemiologist/parasitologist (continued), \$16 410; supplies and equipment, \$100.

5. **Virus Diseases**

(a) *Smallpox Eradication (EPTA-I)*

SEARO 30

To assist the countries of the Region in controlling, and ultimately eradicating, smallpox. *Provision*: a medical officer (continued), \$21 150; supplies and equipment, \$100.

(b) *Production of Freeze-dried Smallpox Vaccine*

SEARO 38

To assist with the production of freeze-dried smallpox vaccine. Since the project began in January 1958, WHO consultants have advised on production facilities in Burma, India, Indonesia and Thailand. The vaccine is now being produced in all four countries with equipment supplied by UNICEF. Follow-up visits by WHO consultants are planned for 1966 and 1967. *Provision*: a consultant for three months, \$5100; two fellowships, \$4200.

(c) *Haemorrhagic Fever Control*

SEARO 99.02

To assist in the development of global epidemiological surveillance of haemorrhagic fever and in studies on effective methods of control at national and international levels. In 1966 and 1967 it is planned to assist in following up the recommendations, made by a WHO consultant in 1964, for closer epidemiological surveillance and stricter *Aedes aegypti* control measures in the Region and internationally. *Provision*: a consultant for three months, \$5100; two six-month fellowships, \$4800.

6. **Public Health Administration**

(a) *Asian Institute for Economic Development and Planning*

SEARO 102

To strengthen the faculty of the Asian Institute for Economic Development and Planning, established with the help of the United Nations Special Fund and UNICEF, and to assist with the training in health aspects of planning and public health administration. *Provision*: a consultant (public health administrator) for six months, \$10 200; supplies and equipment, \$100.

(b) *Hospital Administration Courses*

SEARO 104

To promote training in hospital administration in countries of the Region. *Provision*: a consultant for six months, \$10 200; attendance of fifteen participants for three months, \$15 000; supplies and equipment, \$100.

(c) *Advisory Services for Infectious Disease Hospitals*

SEARO 128

To assist the governments of the Region in upgrading the main infectious disease hospitals in the principal cities of the Region, so that they may provide adequate diagnosis, treatment and teaching facilities in the field of infectious diseases. *Provision*: three consultants (in infectious diseases, nursing and microbiology), each for three months, \$15 300.

7. **Vital and Health Statistics**

(a) *Health Statistics Training Centre (EPTA-I)*

SEARO 44

To assist in the training of vital and health statistics personnel at the primary and intermediate levels and in introducing efficient vital and health statistics procedures in a rural district; and to advise on vital and health statistics, particularly on the classification of diseases and causes of death. *Provision*: a statistician, a technical assistant and a clerk-stenographer (all continued), \$26 201; supplies and equipment, \$500.

(b) *Reorganization of Rural Health Records and Reports*

SEARO 50

To organize a system of rural health service records and reports in selected centres and to train personnel in the collection, processing and presentation of vital and health statistics at the rural health centre level. The project has been operating in two Indian states since 1961. Record/report systems for out-patient care and for maternal and child health services have been developed. *Provision*: a statistician (continued), \$15 198; supplies and equipment, \$1000.

(c) *Course for Medical Records Officers*

SEARO 61

To assist in the training of personnel of different grades to work in hospital records and statistics departments. A nine-month course with nine trainees was given in Bangkok in 1965 with assistance from the staff of project SEARO 72 (see below), and similar courses in other countries are planned for 1966 and 1967. *Provision*: attendance of six participants for twelve months, \$17 400; supplies and equipment, \$250.

(d) *Hospital Statistics (EPTA-I)*

SEARO 72

To help governments of the Region (i) to organize an efficient system for the maintenance and flow of records in selected hospitals; (ii) to collect, process and present hospital statistics data efficiently on a national scale; and (iii) to train medical records and hospital statistics personnel. The project, which began in 1963, is expected to continue through 1968. *Provision*: a hospital statistician (continued), and three medical records officers (two continued), \$51 737; supplies and equipment, \$500.

(e) *Health Statistics Seminar*

SEARO 129

To enable governments of the Region to review their health statistics programmes in the field of rural health records and reports. *Provision*: two consultants (one for three months, one for two weeks), \$5950; attendance of twenty participants for ten days, \$7000; supplies and equipment, \$2500.

## 8. Health Education

*Seminar on Health Education Planning, Implementation and Evaluation*

SEARO 130

To provide a workshop for national leaders responsible for health administration, training and health education; to develop a methodology for planning health education as an integral part of health programmes; to suggest procedures for implementation, and to evolve criteria for evaluating the effectiveness of health education. *Provision*: a consultant for three months, \$5100; attendance of twenty participants for two weeks, \$8500; supplies and equipment, and secretarial assistance for one month, \$400.

## 9. Nutrition

(a) *Nutrition Training*

SEARO 97

To assist in training in applied nutrition and to support the Nutrition Research Laboratories, Hyderabad (India), in carrying out the programme. Grants-in-aid for equipment have been made every year since 1963 and three-month nutrition courses have been held at the Nutrition Research Laboratories in 1963-64 and 1964-65. UNICEF has provided stipends for participants. Similar courses are planned for 1965-66 and 1966-67. *Provision*: grant-in-aid, \$3000; one twelve-month and ten four-month fellowships, \$15 600; supplies and equipment, \$1000.

(b) *Seminar on Goitre Control*

SEARO 131

To review the problem of endemic goitre in the Region and to discuss control measures. *Provision*: two consultants for one month, \$3400; attendance of twenty participants for two weeks, \$8500; secretarial assistance and supplies, \$400.

## 10. Environmental Health

*Advisory Services for Community Water Supply Programmes*

SEARO 64

To provide governments of the Region with consultant services for the development of their urban and rural community water supply projects. The project started in 1965 and is expected to continue until early 1968. *Provision*: a sanitary engineer (continued), \$21 971; supplies and equipment, \$100.

## 11. Education and Training

(a) *Medical Education Team*

SEARO 133

A team of consultants to visit selected medical colleges in the Region with a view to introducing improved methods in the teaching of various disciplines. The project is expected to continue through 1970. *Provision*: three consultants for three months, \$15 300.

(b) *Course in Epidemiology*

SEARO 134

A course in epidemiology, organized and conducted jointly with the National Institute of Communicable Diseases, Delhi, on the role of an epidemiological service at directorate of health and other levels. *Provision*: attendance of fifteen participants for three weeks, \$8400.

## 12. Other Activities

*Medical Literature and Teaching Equipment*

SEARO 25

To cover the supply of medical literature and teaching equipment and the exchange of technical information. *Provision*: \$2000.

## EUROPE

## REGIONAL OFFICE

(See page 374)

*Personnel:* the Regional Director, twenty-eight professional and fifty-nine general service posts, as in 1966. *Proposed in addition for 1967* — two posts of clerk-stenographer. The provision for temporary staff shows an increase of \$2600 over the level for 1966.

*Duty travel:* to confer with national health administrations on general policy and programme matters and to attend official meetings. The provision is the same as for 1966.

*Other costs:* provision for public information supplies and materials as for 1966.

*Common services:* estimates increased by approximately \$2800 over 1966.

## REGIONAL HEALTH OFFICERS

(See page 378)

*Personnel:* as for 1966 — nineteen posts of regional health officer, with twenty posts in the general service category. There are health officers in tuberculosis (one), virus diseases (one), public health administration (three), vital and health statistics (two), nursing (one), social and occupational health (three), chronic and degenerative diseases (one), maternal and child health (one), mental health (one), environmental health (two), education and training (two), and malaria (one). The regional health officer in malaria is assisted by a malarialogist. *Proposed in addition for 1967* — a clerk-stenographer. The provision for temporary staff shows an increase of \$2000 over the level for 1966.

*Duty travel:* to discuss technical problems and assist in the planning and implementation of health activities. The provision shows an increase of \$3600 as compared with 1966.

*Common services:* estimates increased by approximately \$900 over 1966.

## WHO REPRESENTATIVES

(See page 379)

*Personnel:* three posts of WHO representatives (with secretaries) stationed in Algeria, Morocco and Turkey, and a second post of secretary in Algeria, as in 1966. *Proposed in addition for 1967* — a WHO representative, with secretary, in Greece, and a second post of secretary in both Morocco and Turkey. The provision for temporary staff shows a decrease of \$2500 as compared with 1966.

*Duty travel:* to maintain liaison with governments in the planning and development of field programmes; and for consultations at the Regional Office. The provision shows an increase of \$1000 as compared with 1966.

*Common services:* estimates as for 1966.

## ALBANIA

See page 380)

## 1. Public Health Administration

## (a) Vaccine Production

Albania 6

To assist in developing adequate facilities for the production of the vaccines and sera required for communicable disease prevention and control programmes. The project is planned to begin in 1966. *Provision:* a consultant, \$1700; fellowships, \$1000.

## (b) Central Institute of Epidemiology, Microbiology and Immunology (EPTA-I)

Albania 7

To assist the Central Institute of Epidemiology, Microbiology and Immunology, which was established in Tirana in 1965-66. The Institute has initiated epidemiological studies on communicable diseases and specialized training for various categories of personnel. *Provision:* a consultant, \$3400; fellowships, \$5800; supplies and equipment, \$10 000.

## 2. Chronic and Degenerative Diseases

### *Cancer Control (EPTA-I)*

Albania 5

To assist the Institute of Oncology in establishing preventive and curative services by training medical personnel. The project started in 1962. *Provision*: fellowships, \$6200.

## 3. Education and Training

### *Fellowships*

Albania 200

As in 1966, fellowships in various fields. *Provision*: \$7300.

## ALGERIA

(See page 380)

## 1. Malaria

### *Pre-eradication Programme*

Algeria 11.8

To assist with the pre-eradication programme started in 1963 under project Algeria 2. A malaria team will help to define the malaria problem. It will train cadres for the future malaria eradication campaign and for the general health services, so that the latter can support the campaign, and will help to establish a country-wide network of health units. *Provision*: a malariologist, three sanitarians and a secretary (all continued), \$60 300; a consultant, \$1700; fellowships, \$2000; supplies and equipment, \$3000.

## 2. Tuberculosis

### *Tuberculosis Control (EPTA-I)*

Algeria 3

To assist the Government in developing a tuberculosis control programme and to train national personnel. *Provision*: a consultant, \$3400; fellowships, \$2000; supplies and equipment, \$1000.

## 3. Virus Diseases

### *Communicable Eye Disease Control (EPTA-I)*

Algeria 1

To assist with a national programme for the control of communicable eye diseases. The project, in which UNICEF is collaborating, started in 1956. *Provision*: an ophthalmologist (continued), \$18 000.

## 4. Public Health Administration

### (a) *Public Health Administration*

Algeria 11.1

To advise on planning and organizing public health services. *Provision*: a public health adviser (continued), \$17 376.

### (b) *Public Health Laboratories (EPTA-I)*

Algeria 11.9

To assist in the development of basic laboratory services for diagnostic work in bacteriology, parasitology and virology within the public health services, and to help to train laboratory staff. *Provision*: consultants, \$5100; fellowships, \$4000; supplies and equipment, \$2000.

### (c) *Hospital Administration (EPTA-I)*

Algeria 16

To provide lecturers for courses, begun in 1964, to prepare hospital administrators, as a part of the general plan to reorganize hospital administration services. *Provision*: consultants, \$5100; supplies and equipment, \$500.

## 5. Vital and Health Statistics

### *Epidemiology and Health Statistics (EPTA-I)*

Algeria 11.6

To provide assistance in epidemiology and health statistics, to strengthen the health statistical services and assist in training statistical staff and public health personnel in this field. The project started in 1963. *Provision*: a medical officer (continued) and a statistician, \$28 900; fellowships, \$2000.

## 6. Nursing

### (a) *Nursing (EPTA-I)*

Algeria 11.7

To assist in organizing and evaluating hospital and public health nursing and midwifery services and in establishing training programmes for nursing personnel at the different levels. *Provision*: a nursing adviser (continued), \$14 500.

**(b) Nursing Education (EPTA-I)**

Algeria 14

To assist in organizing and implementing basic training programmes for the different categories of nursing and midwifery personnel and in establishing a post-basic school to prepare nurses for teaching and administrative positions. The project began in 1963. *Provision*: two nurse educators (both continued), \$27 000; fellowships, \$8000; supplies and equipment, \$500.

**7. Health Education****Health Education (EPTA-I)**

Algeria 11.4

To assist the Ministry of Health in training health educators and other health personnel, and in establishing methods and techniques of health education appropriate to the country's needs. *Provision*: a health educator (continued), \$16 700; fellowships, \$2000.

**8. Maternal and Child Health****Maternal and Child Health (EPTA-I)**

Algeria 12

To assist in establishing and reorganizing maternal and child health work in health centres throughout the country, and in training personnel for the maternal and child health services. The project started in 1963. *Provision*: a medical officer and a nurse/midwife (both continued), \$31 000; supplies and equipment, \$400.

**9. Nutrition****Advisory Services**

Algeria 11.5

To assist the Government in dealing with problems arising from widespread malnutrition. The project began in 1963. Studies on the nutrition situation will be continued and national staff will be trained in this work and in methods of nutrition education. Collaboration will continue with FAO in assisting the Government to develop a national food and nutrition policy. *Provision*: a nutritionist (continued), \$21 200.

**10. Environmental Health****(a) Environmental Health**

Algeria 11.2

To assist in developing and strengthening environmental services and in training sanitation personnel. The project started in 1963. *Provision*: a sanitary engineer (continued), \$21 000; supplies and equipment, \$100.

**(b) Environmental Sanitation (EPTA-I)**

Algeria 11.3

To train sanitation personnel and promote environmental sanitation work. The project started in 1963. *Provision*: two sanitarians (one continued), \$23 600; fellowships, \$2000.

**11. Education and Training****(a) Training of Medical Assistants**

Algeria 15

To assist in supervising the training programmes for medical assistants and in planning and organizing refresher training. *Provision*: a medical educator (continued), \$14 500.

**(b) Fellowships**

Algeria 200

As in 1966, fellowships in various fields. *Provision*: \$5000.

**AUSTRIA***(See page 381)***Education and Training****Fellowships**

Austria 200

As in 1966, fellowships in various fields. *Provision*: \$7200.

**BELGIUM***(See page 382)***Education and Training****Fellowships**

Belgium 200

As in 1966, fellowships in various fields. *Provision*: \$8300.

**BULGARIA***(See page 382)***1. Nursing***Post-Basic Nursing and Midwifery Education (EPTA-I)***Bulgaria 11**

To assist in the establishment and development of advanced nursing and midwifery education programmes by preparing nurses and midwives for teaching and administrative posts in a future post-basic school. *Provision: fellowships, \$12 000.*

**2. Education and Training***Fellowships***Bulgaria 200**

As in 1966, fellowships in various fields. *Provision: \$13 700.*

**CZECHOSLOVAKIA***(See page 382)***Education and Training***(a) Training Institutes***Czechoslovakia 9**

To assist selected medical schools in providing further training for medical teachers, introducing new medical teaching programmes and developing new teaching methods and techniques. The project started in 1960. *Provision: lecturers, \$1000; fellowships, \$1800; supplies and equipment, \$400.*

*(b) Fellowships***Czechoslovakia 200**

As in 1966, fellowships in various fields. *Provision: \$9800.*

**DENMARK***(See page 383)***Education and Training***Fellowships***Denmark 200**

As in 1966, fellowships in various fields. *Provision: \$8100.*

**FEDERAL REPUBLIC OF GERMANY***(See page 383)***Education and Training***Fellowships***Germany 200**

As in 1966, fellowships in various fields. *Provision: \$10 300.*

**FINLAND***(See page 383)***Education and Training***Fellowships***Finland 200**

As in 1966, fellowships in various fields. *Provision: \$10 300.*

**FRANCE***(See page 383)***Education and Training***Fellowships***France 200**

As in 1966, fellowships in various fields. *Provision: \$10 300.*



## GREECE

(See page 384)

## 1. Public Health Administration

*Development of Public Health Services and Training of Personnel (EPTA-I)*

Greece 25

To assist the public health pilot area in Thessaly and the Pharsala School of Rural Public Health. The project, begun in 1958, is to reorganize and develop the public health services and to train personnel, utilizing the results achieved in the pilot area to extend such reorganization progressively to other provinces of the country. *Provision*: consultants, \$18 700; fellowships, \$4000; supplies and equipment, \$4000.

## 2. Nursing

*Nursing Education and Administration (EPTA-I)*

Greece 17

To assist in preparing nurses for leading posts in nursing education and services, with a view to developing basic nursing education facilities, establishing a post-basic school of nursing and organizing public health nursing services. The project began in 1956. *Provision*: fellowships, \$4000.

## 3. Social and Occupational Health

*Occupational Health Services*

Greece 31

To assist the Government in assessing the country's occupational health problems and in adjusting occupational health services to the growing needs arising from the development of industry. *Provision*: a consultant, \$1700.

## 4. Environmental Health

*Environmental Sanitation (EPTA-I)*

Greece 35

To study the problem of urban solid waste disposal, assist in solving specific problems in certain cities, and provide fellowships to study refuse control and disposal. *Provision*: a consultant, \$1700; fellowships, \$1500; supplies and equipment, \$500.

## 5. Education and Training

*Fellowships*

Greece 200

As in 1966, fellowships in various fields. *Provision*: \$7300.

## HUNGARY

(See page 384)

## 1. Nursing

*Nursing and Midwifery Education and Administration (EPTA-I)*

Hungary 10

To assist in developing nursing and midwifery education programmes and in establishing a post-basic school to prepare nurses and midwives for administrative and teaching posts in schools of nursing, hospitals and public health nursing and midwifery services. *Provision*: fellowships, \$4000; supplies and equipment, \$1000.

## 2. Environmental Health

*Training of Sanitary Engineers (EPTA-I)*

Hungary 8

To assist in the organization of national training for sanitary engineers and in the training of teachers. *Provision*: a consultant, \$1700; fellowships, \$3800; supplies and equipment, \$1000.

## 3. Education and Training

(a) *Medical Training Institutes*

Hungary 7

To assist medical schools in developing new medical teaching programmes by training teachers and providing teaching equipment. *Provision*: temporary advisers, \$800; supplies and equipment, \$1000.

(b) *Fellowships*

Hungary 200

As in 1966, fellowships in various fields. *Provision*: \$13 800.

## ICELAND

*(See page 385)***Education and Training***Fellowships*

Iceland 200

As in 1966, fellowships in various fields. *Provision: \$4300.*

## IRELAND

*(See page 385)***Education and Training***Fellowships*

Ireland 200

As in 1966, fellowships in various fields. *Provision: \$9400.*

## ITALY

*(See page 385)***1. Nursing***Nursing Education and Administration*

Italy 23

To assist in preparing nurses for teaching and administrative posts and in developing basic and post-basic nursing education programmes. *Provision: fellowships, \$3800.*

**2. Education and Training***Fellowships*

Italy 200

As in 1966, fellowships in various fields. *Provision: \$9800.*

## LUXEMBOURG

*(See page 386)***Education and Training***Fellowships*

Luxembourg 200

As in 1966, fellowships in various fields. *Provision: \$2000.*

## MALTA

*(See page 386)***1. Chronic and Degenerative Diseases***(a) Chronic Diseases (EPTA-I)*

Malta 6

To provide assistance in connexion with diabetes, which is a problem of considerable public health importance in Malta. *Provision: fellowships, \$4000.*

*(b) Gerontology (EPTA-I)*

Malta 9

To assist in improving the standard of medical and social care for old people. *Provision: fellowships, \$3000.*

**2. Mental Health***Mental Health Services (EPTA-I)*

Malta 7

To advise on the planning and development of psychiatric services and to assist in the training of nursing personnel for mental health services. *Provision: a psychiatric nurse-instructor, \$12 400.*

**3. Environmental Health***Water Supply and Waste Disposal Development (EPTA-I)*

Malta 10

To assist the Government in the preparation of a water-supply and waste-disposal development plan, following the assistance provided since 1963 in studying the problem of sewage and waste disposal and reclamation under a pilot scheme for sewage purification. *Provision*: a consultant, \$1700; fellowships, \$1000.

**4. Education and Training***Fellowships*

Malta 200

As in 1966, fellowships in various fields. *Provision*: \$3300.

**MOROCCO***(See page 386)***1. Malaria***Pre-eradication Programme*

Morocco 28

To assist in preparation for and planning of an eradication programme, defining the malaria problem and training personnel. *Provision*: a malariologist, three sanitarians, a laboratory technician and a secretary (all continued), \$83 602; a consultant, \$1700; fellowships, \$2000.

**2. Virus Diseases***Communicable Eye Disease Control (EPTA-I)*

Morocco 1

To assist in organizing and implementing the trachoma control programme through the public health services in the rural areas. The project started in 1953. *Provision*: an ophthalmologist (continued), \$16 700.

**3. Public Health Administration***(a) Training of Health Auxiliaries (EPTA-I)*

Morocco 9.3

To assist in training auxiliary health personnel. The project started in 1957. *Provision*: two nurse advisers (both continued), \$26 700.

*(b) Public Health Laboratories (EPTA-I)*

Morocco 22.2

To assist in training laboratory technicians required for the development of a public health laboratory system and in preparing tutors for an expanded teaching programme. *Provision*: a laboratory technician (continued), \$12 000.

*(c) Food Hygiene*

Morocco 32

To assist the Government in improving the hygienic aspects of the processing of food, and particularly of fish. *Provision*: a consultant, \$850; fellowships, \$950.

**4. Vital and Health Statistics***(a) Epidemiology and Health Statistics*

Morocco 21.1

To assist in the development of national health statistical services. The programme, which started in 1961, includes planning and conducting epidemiological surveys, and routine collection and analysis of health statistical data. *Provision*: a medical officer (continued), \$18 797; fellowships, \$3000.

*(b) Training of Statisticians (EPTA-I)*

Morocco 21.2

To assist in organizing courses for statistical personnel, in preparing the curriculum, and in actual teaching. This project, which began in 1964, is closely connected with the project on epidemiology and health statistics (see Morocco 21.1 above). Assistance is also being given in the collection of data, in epidemiological studies and surveys at regional level, and in processing routine statistical data from field health projects. *Provision*: a statistician (continued), \$17 200.

**5. Nursing***Nursing Education*

Morocco 9.2

To assist in developing basic and post-basic nursing education programmes to prepare nurses for leading posts in specialized fields of nursing, including midwifery, and in administration and education. The project started in 1959. *Provision*: two nurse educators (both continued), \$24 290; fellowships, \$4000.

**6. Environmental Health***Environmental Sanitation (EPTA-I)*

Morocco 12

To assist in developing sanitary engineering services, in promoting environmental sanitation programmes and in training sanitation personnel. The project started in 1958. *Provision*: a sanitary engineer (continued) and two sanitarians (one continued), \$43 385; fellowships, \$3800; supplies and equipment, \$2000.

**7. Education and Training***(a) Faculty of Medicine, Rabat*

Morocco 23

To assist in strengthening teaching and research in preventive and social medicine and in the basic medical sciences at the Faculty of Medicine, Rabat, and to train national staff. The project is expected to start in 1966 and to last five years. *Provision*: two visiting professors, in preventive and social medicine and in basic medical sciences (both continued), \$33 848; fellowships, \$8000; supplies and equipment, \$1000.

*(b) Fellowships*

Morocco 200

As in 1966, fellowships in various fields. *Provision*: \$3800.

**NETHERLANDS***(See page 387)***Education and Training***Fellowships and Lecturers*

Netherlands 15

To provide lecturers for national courses and to award fellowships in various fields. *Provision*: lecturers, \$1000; fellowships, \$8400.

**NORWAY***(See page 388)***Education and Training***Fellowships*

Norway 200

As in 1966, fellowships in various fields. *Provision*: \$7800.

**POLAND***(See page 388)***1. Tuberculosis***Tuberculosis Control (EPTA-I)*

Poland 16

To follow up the results of the pilot area project for tuberculosis control started in 1963, and to assist with epidemiological studies of tuberculosis and the testing of the applicability of new methods of tuberculosis control. *Provision*: a consultant, \$1700; fellowships, \$1300; supplies and equipment, \$100.

**2. Vital and Health Statistics***Health Statistical Services (EPTA-I)*

Poland 24

To assist in strengthening the national health statistical services, and particularly in planning and conducting sample morbidity surveys. The project started in 1963. *Provision*: a consultant, \$1700; fellowships, \$1300; supplies and equipment, \$100.

**3. Nursing***Post-basic Nursing Education (EPTA-I)*

Poland 25

To assist in developing advanced nursing education programmes by preparing nurses for administrative and teaching posts. *Provision*: fellowships, \$4000.

**4. Environmental Health***Protection of Natural Waters against Pollution (United Nations Special Fund)*

Poland 26

To assist the Government in developing scientific and research work for the control of water pollution by domestic wastes, industrial effluents; saline waste waters, and waste waters from thermal power stations, in the Slasko Dabrowskie area. *Provision*: a project manager (continued), \$21 100; consultants, \$134 300; fellowships, \$27 000; supplies and equipment, \$200 000; miscellaneous, \$10 000.

**5. Education and Training***(a) Training Institutes*

Poland 15

To assist selected medical schools, particularly in improving facilities for teaching the basic medical sciences by training teachers and by supplying some laboratory equipment. *Provision:* lecturers, \$900; fellowships, \$3600; supplies and equipment, \$100.

*(b) Fellowships*

Poland 200

As in 1966, fellowships in various fields. *Provision:* \$14 000.

**PORTUGAL***(See page 389)***1. Public Health Administration***(a) Hospital Administration (EPTA-I)*

Portugal 26

To assist in training hospital administrators. *Provision:* consultants, \$3400; fellowships, \$5500; supplies and equipment, \$500.

*(b) Public Health Administration (EPTA-I)*

Portugal 35

To assist in organizing a pilot area for use in demonstrations and surveys relating to public health administration, and in providing practical training for various categories of staff in collaboration with the School of Public Health. *Provision:* a consultant, \$1700; fellowships, \$1300.

**2. Vital and Health Statistics***Health Statistical Services*

Portugal 29

To assist in organizing and developing health statistical work at regional level. *Provision:* a consultant, \$1700; fellowships, \$1500.

**3. Nursing***Post-basic Nursing Education (EPTA-I)*

Portugal 30

To assist in developing nursing education programmes and establishing a post-basic school to prepare nurses for administrative and teaching posts in schools of nursing, hospitals and public health nursing services. *Provision:* fellowships, \$8000; supplies and equipment, \$1000.

**4. Health Education***Health Education Services (EPTA-I)*

Portugal 36

To assist in the further development of health education within the health services. *Provision:* a consultant, \$1700; supplies and equipment, \$1300.

**5. Mental Health***Mental Health Services (EPTA-I)*

Portugal 33

To assist in developing and planning mental health services. Following the visits of a consultant, detailed plans for training mental health personnel have been drafted. *Provision:* a consultant, \$1700; fellowships, \$6000.

**6. Education and Training***Fellowships*

Portugal 200

As in 1966, fellowships in various fields. *Provision:* \$8500.

**ROMANIA***(See page 389)***Education and Training***(a) Institute of Microbiology, Parasitology and Epidemiology (EPTA-I)*

Romania 4

To assist the Institute of Microbiology, Parasitology and Epidemiology to introduce freeze-drying procedures so as to improve the production of vaccines, sera and other biological substances. *Provision:* a consultant, \$1700; fellowships, \$6300; supplies and equipment, \$32 000.

*(b) Fellowships*

Romania 200

As in 1966, fellowships in various fields. *Provision:* \$14 700.

## SPAIN

(See page 390)

## 1. Virus Diseases

*Epidemiological Studies of Virus Diseases of Public Health Importance (EPTA-I)*

Spain 25

To continue the study of methods for the prevention and control of respiratory and enteric virus diseases, begun in 1959 and resumed in 1964. The project will help to develop the virological diagnostic services in the National School of Public Health and thus provide facilities for training. *Provision:* consultants, \$3400; fellowships, \$1000; supplies and equipment, \$2700.

## 2. Veterinary Public Health

*Brucellosis (EPTA-I)*

Spain 1.2

To assist the Government in expanding epidemiological studies, starting vaccine production and conducting an extensive goat vaccination programme, following the studies already undertaken as part of a WHO-assisted project in 1957, which revealed a high incidence of brucellosis in animals and in man and proved the efficacy of the live vaccine then produced. FAO is expected to take part in this project. *Provision:* a consultant, \$1700; supplies and equipment, \$400.

## 3. Public Health Administration

*Health Demonstration and Training Area (EPTA-I)*

Spain 30

To assist the Government in developing further the work in the health demonstration and training area, being established in 1965, as part of the general plan for the country's economic and social development. The purpose of this long-term project is to organize a complete network of co-ordinated health services which can be used for demonstrations, to try out technical and administrative methods, conduct surveys and, in collaboration with the National School of Public Health, provide practical training for various categories of staff. *Provision:* consultants, \$13 600; fellowships, \$8000; supplies and equipment, \$2700.

## 4. Vital and Health Statistics

*Health Statistical Services*

Spain 22

To assist the national epidemiological and health statistical services. With the support of this project, which began in 1960, a department of biostatistics was established in 1964 at the National School of Public Health in Madrid. Assistance will be provided for teaching in the new department and for the further development of national health statistics. *Provision:* lecturers, \$800; fellowships, \$3000.

## 5. Social and Occupational Health

*Rehabilitation of Handicapped Children (EPTA-I)*

Spain 23

To assist in developing the occupational therapy services and to train staff. *Provision:* a consultant, \$1700.

## 6. Education and Training

*Fellowships*

Spain 200

As in 1966, fellowships in various fields. *Provision:* \$7300.

## SWEDEN

(See page 390)

## Education and Training

*Fellowships*

Sweden 200

As in 1966, fellowships in various fields. *Provision:* \$7800.

## SWITZERLAND

(See page 391)

## 1. Nursing

*Study of the Functions of Nursing Personnel*

Switzerland 18

To determine the responsibilities and differentiate the tasks of the various categories of nursing personnel required by the health services. The findings of this study will serve as a basis for planning the different types of training needed and the staffing of nursing services. *Provision:* a consultant, \$1700.

## 2. Education and Training

*Fellowships*

Switzerland 200

As in 1966, fellowships in various fields. *Provision:* \$5000.

## TURKEY

(See page 391)

**1. Malaria***Eradication Programme*

Turkey 23

To assist with the eradication programme, which began in 1956. Particular emphasis is being placed on integrating the malaria services into the rural health services and on establishing basic health services in the parts of the country that are reaching the maintenance phase. *Provision*: a malariologist, a sanitary engineer, seven sanitarians and a secretary (all continued), \$112 477; consultants, \$5100; fellowships, \$3200; supplies and equipment, \$900.

**2. Tuberculosis***Tuberculosis Control (EPTA-I)*

Turkey 13

To assist in establishing suitable methods of nation-wide tuberculosis control, which is one of the targets in the health sector of the five-year development plan. The project began in 1952. *Provision*: a consultant, \$1700.

**3. Leprosy***Leprosy Control (EPTA-I)*

Turkey 11

To assist in setting up a nation-wide leprosy control scheme. The project started in 1961. It is expected that the trial integration of leprosy control into the general rural health services, to be carried out in 1965-66, will give the necessary experience for gradual integration in leprosy endemic areas. *Provision*: a consultant, \$1700; fellowships, \$1300.

**4. Public Health Administration***Public Health Administration (EPTA-I)*

Turkey 40.1

To advise on planning, organizing and evaluating public health services. *Provision*: a medical officer and a nurse/midwife (both continued), \$30 437; fellowships, \$2000.

**5. Vital and Health Statistics***(a) Health Statistical Services*

Turkey 40.2

To assist national, regional and local epidemiological and health statistical services. The project was started in 1953, in co-operation with the United Nations and ILO, and was resumed in 1962. *Provision*: a medical officer (statistician), \$14 261.

*(b) Training of Statistical Personnel (EPTA-I)*

Turkey 40.5

To assist in training statistical personnel by means of formal courses and practical experience in demonstration areas; to participate in guiding and supervising statistical clerks in provincial health statistical services; to experiment with simplified methods of data collection and analysis for local health services and to train personnel in these methods; to participate in epidemiological studies and surveys. Assistance is expected to continue for five years. *Provision*: a statistician, \$12 636; supplies and equipment, \$200.

**6. Nursing***Nursing Education*

Turkey 29

To assist in planning, organizing and implementing post-basic education programmes and in organizing the clinical and public health teaching fields, so as to prepare nurses and midwives for leading posts in specialized fields of nursing, including midwifery, and nursing administration and education. *Provision*: three nursing advisers (continued), \$35 941.

**7. Environmental Health***(a) Environmental Health Services*

Turkey 40.3

To assist in organizing and developing environmental health services at all levels, in training sanitation personnel and in developing specific programmes in the field of sanitary engineering. *Provision*: a sanitary engineer (continued), \$15 214; supplies and equipment, \$100.

*(b) Environmental Sanitation (EPTA-I)*

Turkey 40.4

To assist in the promotion of environmental sanitation work. *Provision*: two sanitarians (one continued), \$24 538; fellowships, \$2000; supplies and equipment, \$1000.

*(c) Water Supply and Sewerage for the City of Istanbul and Neighbouring Industrial Region  
(United Nations Special Fund)*

Turkey 46

To prepare a master plan, feasibility studies and preliminary engineering and other organizational studies for the extension and improvement of the water and sewerage system of greater Istanbul and the rapidly developing industrial areas in the vicinity. *Provision*: a resident engineer (continued), \$22 800; consultants, \$10 200; fellowships, \$20 000; services of consultant engineering firms, \$265 000; miscellaneous, \$2000.

**8. Education and Training***(a) School of Public Health, Ankara*

Turkey 16

To assist the School of Public Health, Ankara. The project started in 1958. *Provision:* lecturers, \$800; fellowships, \$4700; supplies and equipment, \$200.

*(b) Fellowships*

Turkey 200

As in 1966, fellowships in various fields. *Provision:* \$7000.

**UNION OF SOVIET SOCIALIST REPUBLICS***(See page 392)***Education and Training***Fellowships*

USSR 200

As in 1966, fellowships in various fields. *Provision:* \$21 600.

**UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND***(See page 392)***Education and Training***Fellowships*

United Kingdom 200

As in 1966, fellowships in various fields. *Provision:* \$7400.

**YUGOSLAVIA***(See page 393)***1. Virus Diseases***Virus Diseases (EPTA-I)*

Yugoslavia 38

To assist the virology unit at the Federal Institute of Public Health, Belgrade, which, in collaboration with the epidemiological unit of the same Institute and with field and hospital workers, is carrying out serological surveys and isolating viruses from cases of acute respiratory illness in children in hospitals, nurseries and the community. *Provision:* fellowships, \$2000; supplies and equipment, \$4000.

**2. Public Health Administration***(a) Public Health Administration (EPTA-I)*

Yugoslavia 20

To assist in training staff from the federal and republic institutes, the health services, and teaching establishments in administration and public health practice. The project started in 1956. *Provision:* a consultant, \$1700; fellowships, \$2600.

*(b) Fellowships (EPTA-I)*

Yugoslavia 201

To assist the Government in training health personnel. *Provision:* \$14 500.

**3. Nursing***Nursing Education (EPTA-I)*

Yugoslavia 25

To assist in preparing nurses for leading posts in nursing education, the administration of nursing services and specialized branches of nursing in different Republics. The project started in 1959. *Provision:* fellowships, \$4000.

**4. Chronic and Degenerative Diseases***Chronic Diseases (EPTA-I)*

Yugoslavia 37

To provide training in the field of chronic diseases. *Provision:* fellowships, \$4000.

**5. Education and Training***Fellowships*

Yugoslavia 200

As in 1966, fellowships in various fields. *Provision:* \$9000.



## INTER-COUNTRY PROGRAMMES

(See page 394)

## 1. Malaria

(a) *Eradication Evaluation*

EURO 232

To meet further requests from countries for the certification of malaria eradication. *Provision:* a consultant, \$1700; supplies and equipment, \$200.

(b) *Entomological Services to North African Countries*

EURO 319

To provide entomological advice for malaria projects, primarily in Algeria and Morocco. These services will also be made available to Turkey and other countries as required. *Provision:* an entomologist (continued), \$22 953; supplies and equipment, \$1500.

## 2. Tuberculosis

*Effectiveness of Tuberculosis Control Services*

EURO 321

To continue the long-term regional study planned to begin in 1966 following the technical meeting on tuberculosis control in 1965. The aims of the study are to assist some governments in assessing and analysing the effectiveness of their tuberculosis control programmes on a country-wide basis, and to improve the accuracy of information on tuberculosis morbidity for comparative purposes, as suggested by the Regional Committee in 1962. *Provision:* a consultant, \$1700; temporary advisers, \$2300.

## 3. Virus Diseases

(a) *Trachoma Control (EPTA-I)*

EURO 184

To advise on the further development and evaluation of communicable eye disease control projects in several countries of the Region, and to study the need and scope for general sight-saving programmes in some other countries. *Provision:* a consultant, \$17 000.

(b) *Poliomyelitis Surveillance*

EURO 374

To follow up the large-scale vaccination programmes against poliomyelitis carried out in most countries during the period 1958-62 by reviewing the situation in various countries and establishing for the Region standardized surveillance methods and procedures for the control and prevention of the disease. *Provision:* a consultant, \$1700.

## 4. Public Health Administration

(a) *Course on Public Health Practice*

EURO 61

To provide training in public health practice for public health doctors in senior administrative posts or in public health teaching. The course will follow up those given since 1955 in French at the Soissons Public Health Centre (France) and in Bulgaria, and in English at the Uusimaa Public Health Training and Research Centre (Finland). It will be given in French, and will include lectures, group discussions, exchanges of views, field visits and demonstrations. *Provision:* lecturers, \$1500; fellowships, \$6500.

(b) *Conference on the Health Aspects of Regional Planning*

EURO 288.2

To define the place of health in regional development programmes in the light of current demographic and economic trends. The conference, which will follow up the 1965 study on health problems in regional planning and urbanization, is expected to outline the main features of health policy for regional planning. It will bring together health administrators involved at various levels in planning health services, engineers, sociologists, economists, and representatives of the United Nations and interested specialized agencies. The project forms part of WHO's contribution to the regional development programme of the United Nations. *Provision:* a consultant, \$3400; temporary advisers, \$1470; attendance of participants, \$13 000; temporary staff, \$7880; supplies and equipment, \$750.

(c) *Public Health Laboratory Services*

EURO 323

To assist countries of the Region in developing, as an integral part of their national microbiological service, a network of virus diagnostic laboratories incorporating a system for the collection and distribution of laboratory information complementary to the notification of infectious diseases. Advice will also be given on developing the automation of laboratory methods. The project, which is due to start in 1966, follows the 1965 conference of chiefs of virological departments of public health laboratories. *Provision:* temporary advisers, \$2000; fellowships, \$2600; supplies and equipment, \$1000.

(d) *Seminar on Methods of Evaluation of Public Health Programmes*

EURO 375

To consider the available methods of evaluation of health programmes and their application in the Region. *Provision:* temporary advisers, \$830; attendance of participants, \$4600; temporary staff, \$5420; supplies and equipment, \$750.

## 5. Vital and Health Statistics

(a) *Health Statistical Services*

EURO 215

Under this project inter-country studies have been made on statistics of causes of death and statistics of accidents in the home. In 1967 studies will be carried out on the organization and functioning of health statistical services and on new developments in methodology. *Provision:* temporary advisers, \$2600.

- (b) *Training in the Application of Statistical Methods to Medicine and Public Health (English language)* EURO 216.1  
To provide fellowships for the courses given annually in London by the School of Hygiene and Tropical Medicine and the General Register Office. The project started in 1960. *Provision:* fellowships, \$3000.
- (c) *Training in the Application of Statistical Methods to Medicine and Public Health (French language)* EURO 216.2  
To assist with the annual course given by the Free University of Brussels for graduates of medicine or statistics engaged in epidemiological studies or medical research. The project started in 1962. *Provision:* lecturers, \$600; fellowships, \$3000.
- (d) *Training in the Application of Statistical Methods to Medicine and Public Health (Russian language)* EURO 216.3  
To assist in establishing a course in Prague for epidemiologists, medical research workers and health statisticians. The project began in 1963 and the first course is being held in 1965. *Provision:* lecturers, \$800; fellowships, \$3200; supplies and equipment, \$200.
- (e) *Training for Coding Instructors (French language)* EURO 254.2  
To increase the comparability of European statistics on causes of death, and specifically to assist in the application of the Eighth Revision of the International Classification of Diseases. This three-week course will be similar to that to be held in 1966 in English. The cost of travel and allowances of participants will be paid by their respective governments. *Provision:* lecturers, \$2500; supplies and equipment, \$500.
- (f) *Epidemiological Studies* EURO 350  
To study and report on specific aspects of mortality and morbidity of particular interest to the Region, and to co-ordinate and assist limited inter-country studies of relevant epidemiological subjects. The project is planned to start in 1966. *Provision:* temporary advisers, \$2600; temporary staff, \$900; supplies and equipment, \$100.
- 6. Dental Health**
- (a) *Dental Health Services* EURO 151.3  
To provide assistance to dental health services, and especially to strengthen dental health sections in public health departments and train dental health teachers. The project started in 1964. *Provision:* a consultant, \$1700; fellowships, \$8300.
- (b) *Course in Dental Public Health* EURO 390  
To assist in establishing a course to provide training, in French, in dental public health. *Provision:* lecturers, \$1000; fellowships, \$8850.
- 7. Nursing**
- International School of Advanced Nursing Education (French language)* EURO 77.2  
To assist in establishing in Lyons a school of advanced nursing education to prepare nurses for leading posts in specialized branches of nursing, for the administration of nursing education programmes and nursing services, and for research in nursing. The project started in 1962 and is expected to continue until 1968. *Provision:* lecturers, \$1000; fellowships, \$1800.
- 8. Social and Occupational Health**
- (a) *Symposium on Human Factors in Road Accidents* EURO 147  
To discuss the physical and psychological aspects of the human factors involved in road accidents, and now believed to be of primary importance in accident causation, giving special attention to preventive measures. *Provision:* temporary advisers, \$4030; attendance of participants, \$8680; temporary staff, \$5420; supplies and equipment, \$750.
- (b) *Seminar on Organization of Resuscitation and Casualty Services* EURO 256  
To review experience and consider how to improve resuscitation and casualty services and to discuss the work of poison control centres. The expenses of participants in the seminar will be borne by the respective governments. *Provision:* a consultant, \$1700; temporary advisers, \$2570; temporary staff, \$7880; supplies and equipment, \$750.
- (c) *Course on the Medical and Social Aspects of the Care of the Elderly* EURO 259  
To assist in securing a high standard of care for the elderly. The course, which will be given in English, will be similar to those given in previous years since 1964. *Provision:* lecturers, \$1200; fellowships, \$9500; supplies and equipment, \$500.
- (d) *Symposium on the Prevention of Accidents in the Home* EURO 345  
To discuss, on the basis of the epidemiological evidence, ways of preventing home accidents and of promoting interest in future studies and exchanges of information in this field. A planning meeting for this symposium is being followed up by a comparative epidemiological study on home accidents in a few interested countries, and it is expected that the findings will be available in 1967. *Provision:* a consultant, \$1700; temporary advisers, \$830; attendance of participants, \$4600; temporary staff, \$5420; supplies and equipment, \$750.
- (e) *Mental Fatigue in Industry* EURO 378  
To enable occupational health staff to benefit from the extensive studies that certain countries have carried out on the problems of mental fatigue and psychosomatic and neurotic disorders arising from automation and mechanization in industry. *Provision:* fellowships, \$4000.

(f) *Symposium on Pneumoconiosis*

EURO 379

To discuss the prevention and epidemiology of pneumoconiosis and treatment and rehabilitation of pneumoconiotics. ILO will collaborate in the symposium. *Provision*: a consultant, \$1700; temporary advisers, \$1470; attendance of participants, \$5400; temporary staff, \$7880; supplies and equipment, \$750.

**9. Chronic and Degenerative Diseases**(a) *Study of Cardiovascular Diseases*

EURO 179.3

To follow up activities started in 1960 in the application of standardized epidemiological techniques to studies of cardiovascular diseases, so as to ensure comparability of such studies within the Region. Controlled studies bearing on etiological problems will be started, population samples will be followed up and more fellows will be trained in the epidemiology of cardiovascular diseases. *Provision*: a consultant, \$3400; temporary advisers, \$9000; fellowships, \$6000; supplies and equipment, \$1600.

(b) *Course on Prevention and Treatment of Cardiac Emergencies*

EURO 179.6

To familiarize specialized cardiologists and surgeons and anaesthesiologists with methods of treatment used in special wards and with the organization of special departments in hospitals. The course which will last two weeks, will be based on a study, made in 1965, of the treatment of patients with myocardial infarction. *Provision*: lecturers, \$1000; fellowships, \$4800; supplies and equipment, \$200.

(c) *Surveys of Chronic Rheumatoid Arthritis*

EURO 213.3

To support prevalence surveys of chronic rheumatoid arthritis and to ensure their co-ordination. The surveys, which are planned to start in 1966, result from the Technical Conference on the Public Health Aspects of Chronic Rheumatoid Arthritis and Related Diseases, held in 1963. *Provision*: a consultant, \$1700; temporary advisers, \$1300; fellowships, \$4200; supplies and equipment, \$3000.

(d) *Training of Teachers in Cancer Cytology*

EURO 380

To enable specialized physicians to improve their knowledge of cancer cytology. *Provision*: fellowships, \$7000; supplies and equipment, \$500.

(e) *Seminar on the Rehabilitation of Patients with Cardiovascular Diseases*

EURO 381

To follow up the WHO Expert Committee on the Rehabilitation of Patients with Cardiovascular Diseases, 1963, and to promote modern concepts and methods in this field. *Provision*: a consultant, \$1700; temporary advisers, \$2570; attendance of participants, \$7600; temporary staff, \$7880; supplies and equipment, \$750.

**10. Health Education***Symposium on Health Education*

EURO 382

To discuss and define the role of health workers of different categories and levels in regard to health education, as individuals and as a team, and their training in this subject. Among the participants in the symposium will be doctors, nurses, sanitary engineers, health educators and other health workers. *Provision*: temporary advisers, \$830; attendance of participants, \$4600; temporary staff, \$3400; supplies and equipment, \$270.

**11. Maternal and Child Health**(a) *Symposium on Child Health in Europe*

EURO 169.2

To follow up the Symposium on Maternal and Child Health Problems in Europe, held in 1961. The symposium, which will be attended by senior maternal and child health administrators, will review present-day problems and discuss possible solutions based on a comparison of data and information collected in all European countries. The collection of information will start one year in advance. Emphasis will be placed on such questions as organization and administration; manpower and training; collection of data; research; and exchange of information. Special attention will be given to children from one to six years. *Provision*: temporary advisers, \$2175; attendance of participants, \$6640; temporary staff, \$6435; supplies and equipment, \$750.

(b) *Fellowships — International Children's Centre Courses*

EURO 299

As in previous years, to provide for attendance at the courses organized, mainly for training senior maternal and child health workers, by the International Children's Centre, Paris. *Provision*: fellowships, \$11 000.

**12. Mental Health**(a) *Travelling Seminar on Psychiatric Hospital Care*

EURO 261

To study, in two countries, developments in psychiatric hospital care, with particular reference to the rehabilitation of psychiatric patients and the prevention of chronicity. The seminar will last about two weeks. *Provision*: a consultant, \$1700; attendance of participants, \$8620; temporary-staff, \$9430; supplies and equipment, \$750.

(b) *Study of Influence of Social Factors on Mental Health*

EURO 333

To continue inquiries, planned to start in 1966, on social factors in mental ill-health and to finalize reports in preparation for a symposium proposed for 1968. A part of this study, to be made in collaboration with the United Nations, will deal with the role of psychiatric social workers in mental health practice. *Provision*: a consultant, \$1700; temporary advisers, \$2300.

### 13. Radiation and Isotopes

#### *Study of the Treatment and Disposal of Radioactive Wastes*

EURO 383

To study, in collaboration with IAEA, the public health aspects of the treatment and disposal of municipal wastes into which radioactive material is discharged. *Provision:* temporary advisers, \$2500.

### 14. Environmental Health

#### (a) *Symposium on the Health Effects of Air Pollution*

EURO 114.3

To follow up the 1960 Symposium on Epidemiological Aspects of Air Pollution and review the studies carried out since; and to discuss advances in the epidemiology of the ill-effects of air pollution on health, including the correlation of morbidity and mortality statistics with air pollution levels, and other epidemiological indices. *Provision:* a consultant, \$1700; temporary advisers, \$830; attendance of participants, \$4600; temporary staff, \$5420; supplies and equipment, \$750.

#### (b) *Training of Sanitary Engineers (Russian language)*

EURO 336.1

To assist in developing a post-graduate academic course for sanitary engineers in the Russian language. The assistance will include training for teaching staff and a small quantity of books and teaching equipment. *Provision:* a consultant, \$1700; fellowships, \$4000; supplies and equipment, \$300.

#### (c) *Training of Sanitary Engineers (French language)*

EURO 336.2

To assist in the development of an academic course for sanitary engineers in the French language and provide training for teaching staff. *Provision:* a consultant, \$1700; lecturers, \$1300; fellowships, \$2000.

#### (d) *Courses on Air Pollution and Water Pollution*

EURO 347

To promote, in national institutions, short refresher courses on air and water pollution with special reference to public health. *Provision:* a consultant, \$1700; lecturers, \$1300; fellowships, \$3000.

#### (e) *Seminar on Rural Sanitation Work (EPTA-I)*

EURO 384

To enable sanitary engineers and physicians engaged in rural sanitation work to visit field activities and hold group discussions in one of the countries of the Region that have developed rural environmental sanitation programmes. The seminar will last two weeks. *Provision:* a consultant, \$1700; temporary advisers, \$1300; attendance of participants, \$13 720; temporary staff, \$11 280; supplies and equipment, \$750.

### 15. Education and Training

#### (a) *Undergraduate Medical Education*

EURO 207

To provide assistance to medical schools in the Region, primarily for the introduction of new subjects for which experienced or trained staff are lacking. The project started in 1961. *Provision:* a consultant, \$1700; lecturers, \$1000; fellowships, \$2000; supplies and equipment, \$300.

#### (b) *Post-graduate Medical Training*

EURO 302

To assist national efforts to improve medical teaching at post-graduate training institutes, schools of public health and schools of tropical medicine. *Provision:* a consultant, \$1700; lecturers, \$2000; fellowships, \$2000; supplies and equipment, \$300.

#### (c) *School of Public Health, Rennes*

EURO 308

To assist the School of Public Health, Rennes. *Provision:* an epidemiologist (continued), \$15 570; supplies and equipment, \$200.

#### (d) *Study on the Integrated Teaching of Basic Medical Sciences*

EURO 385

A study by teachers of basic medical sciences on the integration of the teaching of anatomy, physiology, biochemistry, etc. as recommended by the Expert Committee on Professional and Technical Education of Medical and Auxiliary Personnel in 1960. By 1967 a number of reports will already have been made on some of the subjects concerned and these will be used as a basis for the study. A final summary report will be produced. *Provision:* temporary advisers, \$3000.

### 16. Other Activities

#### (a) *Medical Literature*

EURO 181

As in 1966, medical literature and teaching supplies for activities within the framework of the regional programme. *Provision:* supplies and equipment, \$1200.

- (b) *Reproduction of Reports* EURO 182  
For the issue of reports on inter-country activities of previous years. *Provision:* temporary staff, \$4000; supplies and equipment, \$2000.
- (c) *Participation in Seminars and Conferences of the United Nations and Other Agencies* EURO 183  
For participation in the planning and organization of seminars and conferences conducted by the United Nations and the specialized agencies, and by other medico-social agencies. *Provision:* a consultant, \$1700; lecturers, \$1200; supplies and equipment, \$100.
- (d) *Follow-up of Inter-country Activities on a National Basis* EURO 185  
To assist countries in organizing national seminars, conferences, etc. to follow up the inter-country programmes sponsored by the Regional Office. *Provision:* temporary advisers, \$2600; fellowships, \$2200; supplies and equipment, \$200.
- (e) *Preparatory Arrangements for Conferences* EURO 275  
To make preparations and preliminary arrangements for conferences, seminars, etc., in the following year. *Provision:* temporary advisers, \$2500.
- (f) *Consultant Services* EURO 305  
To meet requests from countries in the Region for advice on subjects for which no specialized health officer is available and for which it may be impracticable to obtain assistance from headquarters staff. *Provision:* consultants, \$3400.

## EASTERN MEDITERRANEAN

### REGIONAL OFFICE

(See page 399)

*Personnel*: as for 1966 (see page 399). The provision for temporary staff is the same as for 1966.

*Duty travel*: to visit countries in the Region for discussions with health administrations and field staff on the development and implementation of programmes; and to visit headquarters to discuss policy questions and other matters relating to work in the Region. The provision is the same as for 1966.

*Other costs*: provision for public information supplies and materials as for 1966.

*Common services*: estimates increased by approximately \$4700 over 1966.

### REGIONAL ADVISERS

(See page 403)

*Personnel*: as for 1966 (see page 403), except that the post of adviser in virus diseases will be replaced by a second post of adviser in nursing.

*Duty travel*: in connexion with the implementation of field projects, in order to ascertain requirements and to survey the work carried out by field teams. The provision is the same as for 1966.

*Common services*: estimates increased by approximately \$3800 over 1966.

### WHO REPRESENTATIVES

(See page 404)

*Personnel*: as for 1966 (see page 404). WHO representatives are stationed in Ethiopia, Iran, Iraq, Libya, Pakistan, Saudi Arabia, Somalia and Tunisia.

*Duty travel*: to assist governments and health authorities in developing health programmes and in co-ordinating the work on various WHO-assisted projects with that of other multilateral and bilateral agencies. The provision is the same as for 1966.

*Common services*: estimates as for 1966.

### ADEN

(See page 405)

#### 1. Malaria

##### *Pre-eradication Programme*

Aden 8

To co-ordinate the gradual development of the national malaria service and the rural health services in preparation for an eradication programme. A plan of operation for the pre-eradication programme is being drawn up. *Provision*: a malariologist (continued), \$15 536; supplies and equipment, \$1000.

#### 2. Education and Training

##### *Fellowships*

Aden 200

Three fellowships in various fields. *Provision*: \$5000.

### CYPRUS

(See page 405)

#### 1. Mental Health

##### *Fellowships*

Cyprus 200

To assist the Government in promoting mental hospital practice by training staff for the mental hospital. *Provision*: fellowships, \$6500.

**2. Environmental Health***Air Pollution Survey*

Cyprus 21

To make a preliminary survey of air pollutants in Nicosia and recommend a programme of further investigation and control. *Provision*: a consultant for two months, \$3400; supplies and equipment, \$2000.

**3. Education and Training***(a) Fellowships*

Cyprus 200

A long-term fellowship for undergraduate medical studies, and seven twelve-month fellowships in various fields. *Provision*: \$42 000.

*(b) Fellowships (EPTA-I)*

Cyprus 201

A fellowship for undergraduate medical studies. *Provision*: \$17 000.

**ETHIOPIA***(See page 406)***1. Malaria***(a) Malaria Training Centre*

Ethiopia 14.02

To assist a malaria training centre in Nazareth, which is training auxiliary personnel for the malaria programme. The centre has been conducting two courses a year, but in view of the increased personnel needs of the malaria programme it is intended to organize more courses. The project started in 1959 and is expected to continue beyond 1967. *Provision*: a malariologist, a sanitarian, a technician instructor and an entomological technician (all continued), \$57 921; stipends for trainees, \$5000; supplies and equipment, \$1000.

*(b) Pre-eradication Programme*

Ethiopia 14.03

To assist in the gradual development of the rural health services and the building-up of the technical, administrative and operational facilities for a malaria eradication programme. The project started in 1962. The United States Agency for International Development is also providing assistance. *Provision*: a malariologist, a sanitary engineer, an entomologist and a public health adviser (all continued), \$67 982; supplies and equipment, \$250.

**2. Tuberculosis***Tuberculosis Control (EPTA-I)*

Ethiopia 6

To assist in testing, in a pilot area, simple, effective and practical methods of tuberculosis control that can later be extended to the whole country. The work is being carried out by centres in Addis Ababa and Asmara, and by mobile units. The project started in 1959 and is expected to continue through 1968. *Provision*: a medical officer and a statistician for the Addis Ababa centre (both continued), \$26 888.

**3. Parasitic Diseases***Bilharziasis Control (EPTA-I)*

Ethiopia 24

To carry out a survey of bilharziasis and train national personnel in epidemiology and control operations. Bilharziasis is endemic in certain areas such as the Lake Tana region and the Blue Nile and Awash River valleys. *Provision*: an epidemiologist (continued), \$16 502; supplies and equipment, \$300.

**4. Virus Diseases***Communicable Eye Disease Control*

Ethiopia 16

To assist the Government in the evaluation of the communicable eye disease control programme. Previous WHO assistance was provided from January 1959 to the end of 1961, but UNICEF has continued to support the communicable eye disease control activities in Eritrea, where special control teams have been working since 1957. In 1962-63 trachoma control in Ethiopia proper was resumed through rural health centres. *Provision*: a consultant (biostatistician) for three months, \$5100.

**5. Public Health Administration***(a) Advisory Services in Epidemiology and Health Statistics (EPTA-I)*

Ethiopia 3

To assist the Government in planning, developing and operating the epidemiological services. The project started in 1963 and is expected to continue beyond 1967. *Provision*: an epidemiologist (continued), \$15 319; supplies and equipment, \$200.

*(b) Supervisory Team for Health Centres*

Ethiopia 25

To provide technical supervision and guidance to health personnel working in various health centres, and to assist the Government in the establishment of a division of basic health services in the Ministry of Health. The project started in 1962 and is expected to continue through 1968. *Provision*: a medical officer and a public health nurse (both continued), \$29 116.

*(c) Hospital Planning and Administration*

Ethiopia 35

To assist the Government in the development of hospital and medical care services as an integral part of an overall public health programme, and in the establishment of training facilities for hospital administrators. The project is expected to continue for two years. *Provision*: a medical officer and a pharmacist, \$28 691.

**(d) Assistance to Health Planning (EPTA-I)**

Ethiopia 37

To assist in the planning and co-ordination of the health programme as a part of the national five-year development plan. *Provision*: a medical officer (continued), \$13 974; supplies and equipment, \$300.

**6. Vital and Health Statistics****Vital and Health Statistics (EPTA-I)**

Ethiopia 31

To assist in the development of a system of vital and health statistics and to train staff in health statistics techniques. The project is planned to start early in 1967 and continue through 1969. *Provision*: a health statistician, \$15 266; supplies and equipment, \$500.

**7. Nutrition****Nutrition Department**

Ethiopia 30

To assist in strengthening the Nutrition Department in the Ministry of Health. Emphasis is being placed on the training of public health officers by refresher courses and courses at the Public Health College at Gondar. The nutrition programme is to be integrated into other health work such as that in maternal and child health. The nutritional status of the population is to be assessed and advice given on a nutrition policy. There will be close collaboration with the University, the Ethio-Swedish Children's Unit and the United States Agency for International Development. The project started in 1964. *Provision*: a medical nutritionist (continued), \$14 514.

**8. Environmental Health****Environmental Health Services (EPTA-I)**

Ethiopia 36

To assist the Ministry of Health in the various aspects of planning and administering a national environmental health programme. The project will start in 1967 and is expected to continue through 1970. *Provision*: a sanitary engineer, \$15 209; supplies and equipment, \$2500.

**9. Education and Training****(a) Public Health College and Training Centre, Gondar**

Ethiopia 9

To assist in the preparation of health personnel to staff the expanding health services, particularly in rural areas. By the end of 1964, 119 health officers, 107 community nurses and 129 sanitarians had been trained at the centre, which has been given college status in Haile Selassie I University. A plan is being prepared to enable health officers from the centre to take the undergraduate medical course at the new medical faculty of the University. The project started in 1954. *Provision*: a medical officer (continued), \$19 740; supplies and equipment, \$500.

**(b) Medical Education**

Ethiopia 17

To assist in the establishment and development of a new medical faculty at Haile Selassie I University in Addis Ababa. Classes were due to commence in autumn 1965. In 1964, WHO provided a professor to establish a department of social and preventive medicine at the medical faculty. It is planned to provide two additional professors in basic sciences, starting late in 1965 or early in 1966. The project started in 1964 and is expected to continue through 1968. *Provision*: a professor of preventive medicine and two professors in basic sciences (all continued), \$47 482; fellowships, \$10 000; supplies and equipment, \$1000.

**(c) Fellowships**

Ethiopia 200

A long-term fellowship for undergraduate medical studies. *Provision*: \$12 000.

**(d) Fellowships (EPTA-I)**

Ethiopia 201

Three twelve-month fellowships in various fields. *Provision*: \$12 000.

**IRAN***(See page 407)***1. Malaria****Eradication Programme**

Iran 1

To assist with the eradication programme. Steady progress has been made in the north; in the south, however, the vector has developed resistance to dieldrin and tolerance to DDT and this, together with nomadism and insufficiency of operational facilities, has hampered the work. Investigations including operational pilot projects, field trials of new insecticides, medicated salt trials, and larviciding, are being continued to determine the strategy for this area. Assistance is expected to continue for an initial period of six years. *Provision*: a malariologist and a secretary (both continued), \$22 270; fellowships, \$3000; supplies and equipment, \$500.



## 2. Parasitic Diseases

### *Bilharziasis Control (EPTA-I)*

Iran 38

To conduct field studies for the effective and economic prevention and control of bilharziasis in Khuzistan Province, to train national staff and to plan and assist with a control programme integrated into the general programme for economic development. The project began in 1958. It is expected that control of bilharziasis will be achieved during 1966, so that maintenance can be continued under the supervision of the national team in 1967. *Provision*: a consultant for three months, \$5100.

## 3. Nursing

### (a) *High Institute of Nursing (EPTA-I)*

Iran 49

To prepare young women for leading posts in nursing practice, nursing education and nursing services administration. The project is planned to continue through 1970. *Provision*: two nurse educators (continued), \$27 392.

### (b) *Post-basic Nursing Education*

Iran 52

To assist in developing post-basic nursing education programmes for nurse educators and nursing services administrative staff in order to meet the need for expansion in nursing education and training programmes and to strengthen nursing practice. The project started in 1963 and is expected to continue through 1968. *Provision*: a nurse educator (continued), \$13 788; fellowships, \$7000; supplies and equipment, \$1000.

## 4. Social and Occupational Health

### (a) *Industrial and Occupational Health (EPTA-I)*

Iran 30

To assist the Government in developing the occupational health services, particularly to meet the needs arising from rapid industrialization. A WHO consultant visited Iran in 1962 to advise on an industrial hygiene programme which has already been partially implemented, and another consultant made recommendations for further development in 1963-64. Further assistance is planned to start in 1967 and to continue through 1969. *Provision*: fellowships, \$7600; supplies and equipment, \$3000.

### (b) *Rehabilitation and Training Programme in Physical Therapy*

Iran 47

To assist the Government in improving medical rehabilitation services. The first phase of the project, under which assistance was provided in setting up a rehabilitation centre at Jamalabad, Teheran, began in 1963. The second phase, covering the establishment of a school of physical therapy in Teheran and the training of personnel, started in 1965 and is expected to continue beyond 1967. *Provision*: a scientist (continued), \$14 531; supplies and equipment, \$1000.

## 5. Mental Health

### *Fellowships*

Iran 200

Fellowships for post-graduate studies in mental health. *Provision*: \$6000.

## 6. Nutrition

### *Nutrition Institute (EPTA-I)*

Iran 7

To assist the Nutrition Institute, Teheran, which is carrying out nutrition and food consumption surveys and nutrition education programmes, and training nutritionists. It also has a research programme which includes the investigation of some of the known nutrition problems in the country. The project started in 1963 and is expected to continue through 1969. *Provision*: two consultants (a medical nutritionist and a paediatrician), both for three months, \$10 200.

## 7. Education and Training

### (a) *Post-graduate Education in Public Health*

Iran 43

To develop post-graduate training in public health and allied fields at the Institute of Parasitology, Tropical Medicine and Hygiene. The project started in 1964 and is expected to continue through 1968. *Provision*: a professor of public health and preventive medicine, and a biostatistician (both continued), \$27 060; three consultants, each for four months, \$20 400; fellowships, \$10 000.

### (b) *Medical Faculty, Isfahan*

Iran 59

To assist the Medical Faculty in Isfahan in teaching undergraduate medical students, and in developing its training and research activities, with the main emphasis on the promotion of basic sciences. The project is expected to start in 1966. *Provision*: a professor of physiology and a professor of biochemistry (both continued), \$27 060; fellowships, \$10 000; supplies and equipment, \$2500.

### (c) *Fellowships (Regular and EPTA-I)*

Iran 200 and 201

For training in various fields. *Provision*: under the regular budget—six twelve-month fellowships, \$21 000; under the Expanded Programme—four twelve-month fellowships, \$15 000.

## 8. Other Activities

### *Laboratory for Pharmaceutical Quality Control (EPTA-I)*

Iran 53

To assist in the organization and operation of a laboratory for the quality control of pharmaceutical preparations manufactured locally or imported. *Provision*: a pharmaceutical quality control expert (continued), \$14 979.

## IRAQ

(See page 409)

**1. Malaria***Eradication Programme*

Iraq 11

To assist with the eradication programme. In 1964 the programme reverted to the attack phase in the north, owing to setbacks from local causes, and a number of foci of transmission, due to population movements, were found in the central region. In the south, following DDT spraying, coupled with larviciding in the Basrah area, there are indications of interruption of transmission, in spite of the local vector's high tolerance to the insecticide. In view of these developments, it is planned to resume residual spraying throughout the country and to continue larviciding in the Basrah and Fao areas. A new comprehensive plan of operation is being prepared. Assistance is expected to continue until 1969. *Provision*: two malariologists, an entomologist and a sanitarian (all continued), \$63 086; a consultant for six months, \$10 200; supplies and equipment, \$500.

**2. Tuberculosis***Tuberculosis Control*

Iraq 7

To train chest surgeons in the new methods of thoracic surgery at the tuberculosis institute in Baghdad. *Provision*: a medical officer (chest surgeon) (continued), \$17 598; supplies and equipment, \$500.

**3. Bacterial Diseases***Diarrhoeal Diseases Training Centre*

Iraq 57

To improve methods of investigation and treatment of diarrhoeal diseases, and to train personnel from health service institutions, in accordance with the recommendations of WHO consultants who visited the country in 1964. Later, an inter-regional centre for training is to be set up. The project is expected to start in 1967 and to continue through 1968. *Provision*: a microbiologist, \$14 810; supplies and equipment, \$2000.

**4. Public Health Administration***(a) Advisory Services in Epidemiology (EPTA-I)*

Iraq 42

To assist the Government in planning, developing and operating epidemiological services at all levels of the health services. The project started in 1964. *Provision*: an epidemiologist (continued), \$16 050; supplies and equipment, \$200.

*(b) Rural Health Advisory Services (EPTA-I)*

Iraq 49

To assist the Government in the planning, development and operation of rural health services and in their use for field training of medical and auxiliary personnel. The Government has already established a rural health board for this purpose and the eventual aim is to establish country-wide intergrated services operated by provincial health departments under government supervision. The project started in 1964 and is expected to continue until 1968. *Provision*: a public health adviser, a sanitary engineer and a public health nurse (all continued), \$53 375; fellowships, \$5000; supplies and equipment, \$500.

**5. Nursing***College of Nursing, Baghdad*

Iraq 37

To assist in establishing a college to train nurses for leading posts in nursing practice, education and administration. Senior educators for the college faculty are provided by the University of Baghdad and WHO. The project started in 1963 and is expected to continue through 1972. *Provision*: three nurse educators (all continued), \$38 638; supplies and equipment, \$500.

**6. Chronic and Degenerative Diseases***Cancer Control*

Iraq 43

To assist the Government with a cancer control programme, the first step of which will be the organization of a new cancer institute in Baghdad. A WHO consultant visited Baghdad in March 1965 to assist in the establishment of a research institute to be attached to the cancer institute, which should be completed by the summer of 1966. *Provision*: a radiotherapist (continued), \$14 534; supplies and equipment, \$600.

**7. Environmental Health***Study of Water-Supply Quality (EPTA-I)*

Iraq 46

To follow up the work already done to improve water-supply quality and train water-supply personnel. *Provision*: a consultant for three months, \$5100.

**8. Education and Training***(a) College of Medicine, Baghdad*

Iraq 33.01

To assist the College of Medicine in Baghdad in the further development of the Department of Social and Preventive Medicine, including the expansion of teaching and research activities. In addition to a professor of public health and social medicine, it is planned to provide a professor of paediatrics who will also be in charge of the diarrhoeal diseases training centre (see project Iraq 57 above). The project started in 1958 and is expected to continue through 1968. *Provision:* a professor of public health and social medicine and a professor of paediatrics (both continued), \$31 990; fellowships, \$6000; supplies and equipment, \$1000.

*(b) Training of Health Personnel (EPTA-I)*

Iraq 35

To assist in training sanitarians and other personnel for the expansion of local health services. The project started in 1960. *Provision:* a sanitary engineer (continued), \$17 952; supplies and equipment, \$500.

*(c) Fellowships (Regular and EPTA-I)*

Iraq 200 and 201

For training in various fields. *Provision:* under the regular budget—five twelve-month fellowships, \$15 000; under the Expanded Programme—two twelve-month fellowships, \$7000.

**ISRAEL***(See page 410)***1. Nursing***Nursing Education*

Israel 7

To assist in the development of nursing education. The project started in 1965, with the provision of a consultant who helped with a survey of nursing needs with a view to planning nursing education programmes. *Provision:* a consultant for two months, \$3400; fellowships, \$10 000.

**2. Environmental Health***Air Pollution Survey*

Israel 38

To assist the Government in planning air pollution studies and in training local staff for carrying them out. A consultant visited the country in 1965 to start the project. A second visit is planned in 1967 for evaluation of the work accomplished. *Provision:* a consultant for three months, \$5100; supplies and equipment, \$2000.

**3. Education and Training***(a) Medical Education*

Israel 25

To assist the Hadassah Medical School or other related schools or training centres in the development of teaching and research. The medical officer on the project completed his long-term assignment in 1964, and a consultant was provided in 1965 to assist in the teaching of human genetics at the Medical School, Tel Aviv. Further consultant visits are planned for 1966 and 1967. *Provision:* a consultant for four months, \$6800.

*(b) Fellowships*

Israel 200

Four twelve-month fellowships in various fields. *Provision:* \$20 000.

**JORDAN***(See page 411)***1. Malaria***Eradication Programme (Regular and EPTA-I)*

Jordan 6

To assist with the eradication programme, which is assisted also by UNICEF and the United States Agency for International Development. The west bank of the River Jordan is in the maintenance phase and the rest of the country in the consolidation phase. In the maintenance phase areas, the malaria eradication service is being gradually integrated into the rural health services. In the valley of the River Jordan, however, focal transmission was observed during 1964 as a consequence of premature withdrawal of larviciding. The area concerned will be protected again by spraying and larviciding for at least two years as from 1965. The programme is expected to continue beyond 1967. *Provision:* under the regular budget—a consultant for four months, \$6800; under the Expanded Programme—a malariologist (continued), \$15 421.

**2. Bacterial Diseases***Vaccine Production*

Jordan 23

To assist the Government in the production of vaccines. Three WHO consultants visited Jordan in 1959, 1960 and 1962 to advise on the production of tetanus and diphtheria toxoids. New premises were constructed by the Government for this purpose and the project started in March 1964. Consultants will be provided in 1966 and 1967 to evaluate the work and recommend plans for development. *Provision:* a consultant for one month, \$1700.

**3. Virus Diseases***(a) Communicable Eye Disease Control (EPTA-I)*

Jordan 11

To evaluate the pilot control programme that was carried out among schoolchildren and their contacts in the Hebron district from April 1963 until the end of 1965. Control activities have been integrated into the health service system and staff have been trained. *Provision:* a consultant (ophthalmologist) for one month, \$1700.

*(b) Virology Laboratory*

Jordan 30

To develop a virology diagnostic section in the central public health laboratory, Amman. *Provision:* a consultant for two months, \$3400; fellowships, \$3000; supplies and equipment, \$3000.

**4. Nursing***Nursing Education (EPTA-I)*

Jordan 2

To assist the Government in strengthening nursing education through the extension of professional training in the Amman School of Nursing. The project started in 1965 and is expected to continue through 1970. *Provision:* two nurse educators (continued), \$21 854; fellowships, \$9600; supplies and equipment, \$500.

**5. Social and Occupational Health***Rehabilitation Services*

Jordan 28

To provide training in medical rehabilitation of the physically handicapped. *Provision:* fellowships, \$3500.

**6. Maternal and Child Health***School Health Services*

Jordan 21

To advise and assist the Government in the organization and development of school health services. *Provision:* a school health adviser (continued), \$14 022.

**7. Nutrition***Nutrition*

Jordan 16

To assist in the establishment in the Ministry of Health of a nutrition division to co-ordinate the Government's activities in nutrition and train personnel. The project is expected to start in 1966 and to continue until 1972. *Provision:* a medical nutritionist (continued), \$13 122.

**8. Radiation and Isotopes***Fellowships*

Jordan 200

A fellowship for training in radiation medicine. *Provision:* \$3000.

**9. Education and Training***(a) Health Training Institute*

Jordan 33

To assist the Government in drawing up and developing training programmes for auxiliary personnel. The project is expected to start in 1967 and to continue through 1968. *Provision:* a consultant for three months, \$5100; supplies and equipment, \$500.

*(b) Fellowships (Regular and EPTA-I)*

Jordan 200 and 201

For training in various fields. *Provision:* under the regular budget—six twelve-month fellowships, \$20 000; under the Expanded Programme—three twelve-month fellowships, \$10 000.

**KUWAIT***(See page 412).***1. Nursing***Fellowships*

Kuwait 200

For fellowships in nursing education. *Provision:* \$3000.

**2. Social and Occupational Health***Rehabilitation of the Physically Handicapped (Funds-in-trust)*

Kuwait 16

To assist in the establishment and development of medical rehabilitation services. The project is expected to start in 1966. *Provision:* three physical therapists (continued), \$38 634.

**3. Education and Training***Fellowships*

Kuwait 200

Four twelve-month fellowships in various fields. *Provision*: \$20 000.

**LEBANON***(See page 412)***1. Malaria***Eradication Programme*

Lebanon 7

To follow up previous assistance to the eradication programme by providing for an assessment for the certification of eradication. It is expected that this can be done by 1967, since all the formerly malarious areas should be in the maintenance phase by 1966 and the general health services should be ready to take over vigilance responsibilities. *Provision*: two consultants, each for one month, \$3400.

**2. Parasitic Diseases***Bilharziasis Control (EPTA-I)*

Lebanon 45

To make an evaluation of the bilharziasis programme, as recommended by a WHO consultant who visited the country in 1964. *Provision*: a consultant for two months, \$3400; supplies and equipment, \$500.

**3. Public Health Administration***(a) Rural Health Unit (EPTA-I)*

Lebanon 4

To assist in organizing, as part of the overall development of health services under the Ministry of Health, a model district to be used as a demonstration and training centre for health personnel of other rural units. This is the continuation of a project which operated in Saida from 1957 to 1958, and in Halba, in northern Lebanon, from late 1960 to the end of 1962. It was resumed in Halba in 1965 and is expected to continue until 1968. *Provision*: a public health adviser and a nurse/midwife (both continued), \$26 675.

*(b) Blood Bank*

Lebanon 41

To assist in establishing, in Beirut, a blood bank centre to serve the whole country. It will handle collection and distribution of blood, as well as blood processing, and give leadership to the other blood banks. *Provision*: a consultant for one month, \$1700; supplies and equipment, \$5500.

**4. Social and Occupational Health***(a) Occupational Health (EPTA-I)*

Lebanon 25

To assist the Government in developing a programme for occupational health, based on the recommendations of a WHO consultant who visited Lebanon in 1957. The project is expected to start in 1967 and to continue for at least two years. Fellowships were awarded in 1964 to train national counterparts. *Provision*: a medical officer and an industrial hygienist, \$27 033; supplies and equipment, \$5000.

*(b) Rehabilitation of the Physically Handicapped*

Lebanon 31

To develop physical therapy activities at the rehabilitation centre at Ouzai, in connexion with the Government's programme for rehabilitation of the physically handicapped, drawn up following the recommendations of a WHO consultant who visited Lebanon in 1960. The Government aims at co-ordinating the work of the various institutions carrying out rehabilitation services for crippled children and for other persons requiring medical rehabilitation, and at developing new services and upgrading those already existing. The project started in 1963. *Provision*: a physical therapist (continued for six months), \$5527; supplies and equipment, \$1000.

**5. Health Education***Health Education Services*

Lebanon 1

To advise on the further development of the health education services of the Ministry of Public Health, and to assist with the health education aspects of the rural health unit (Lebanon 4). *Provision*: a consultant (health educator) for three months, \$5100; supplies and equipment, \$800.

**6. Mental Health***Fellowships*

Lebanon 200

To assist in training staff in the mental health services. *Provision*: \$3000.

**7. Education and Training***Fellowships (Regular and EPTA-I)*

Lebanon 200 and 201

For training in various fields. *Provision*: under the regular budget—six twelve-month fellowships, \$20 000; under the Expanded Programme—two twelve-month fellowships, \$7000.

**8. Other Activities***Management of Pharmacy and Medical Stores*

Lebanon 36

To assist the Government in the establishment and expansion of pharmacy and medical stores services and in the development of a country-wide medical supply service. Activities will include a training programme for pharmacy attendants and medical store-keepers, and the development of services for the quality control of pharmaceutical preparations. The project is expected to start in 1966. *Provision*: a pharmaceutical and medical stores adviser (continued), \$13 122; supplies and equipment, \$500.

**LIBYA**

(See page 413)

**1. Malaria***Eradication Programme*

Libya 9

To assist with the eradication programme, the plan of operation for which, signed in 1960, was extended for a further two years in December 1964. The programme experienced a set-back due to incomplete coverage, by surveillance activities, of the population at risk. This caused the continuation of malaria transmission at a low level. The plan of action for 1965 and 1966 covers the measures to be taken in the Fezzan area, which is the only area for attack. Further assistance, extending through 1967, is needed to prepare for the integration of the malaria eradication service into the public health services. *Provision*: a malariologist (continued), \$20 017; supplies and equipment, \$250.

**2. Tuberculosis***Tuberculosis Control (EPTA-I and Funds-in-trust)*

Libya 22

To assist in developing effective measures of tuberculosis control in a pilot area. The project is based on a centre in Benghazi, which serves urban, suburban and rural populations. The field activities in the pilot area started in 1965 and will require at least two years to give results. *Provision*: under the Expanded Programme—a medical officer (continued), \$16 722; under Funds-in-trust—a statistician (continued), \$13 962.

**3. Parasitic Diseases***Bilharziasis Control (EPTA-I)*

Libya 24

To carry out a comprehensive survey to detect the foci of bilharziasis, which in Libya is limited to the Fezzan area, and to recommend control measures. *Provision*: a consultant for three months, \$5100.

**4. Nursing***Nursing Education, Tripoli*

Libya 3

To help the Government to develop nursing services by training nursing personnel. The project started in 1956 and is expected to continue through 1968, after which the Government, with technical advice from WHO, will assume full responsibility for its continuation. *Provision*: five nurse educators (all continued), \$46 922; fellowships, \$7000; supplies and equipment, \$500.

**5. Health Education***Health Education Services*

Libya 25

To survey the health education needs and resources of the country and to advise the Government on the development of health education services at national and provincial levels. *Provision*: a consultant (health educator) for three months, \$5100; supplies and equipment, \$1000.

**6. Maternal and Child Health***(a) Demonstration and Training Centre, Tripoli (Funds-in-trust)*

Libya 2

To assist in strengthening the maternal and child health services and the training of personnel at the demonstration and training centre at Suk-el-Juma, Tripoli, which was previously assisted by WHO from 1953 to 1961. *Provision*: a medical officer, a public health nurse/midwife, a nurse educator, a nurse/midwife tutor and a nurse/midwife (all continued), \$48 221; fellowships, \$5000; supplies and equipment, \$2600.

*(b) Maternal and Child Health, Cyrenaica (Funds-in-trust)*

Libya 12

To train maternal and child health auxiliary personnel for staffing health centres, particularly in rural areas. *Provision*: a public health nurse/midwife (continued), \$11 518.

*(c) Advisory and Supervisory Services (Funds-in-trust)*

Libya 21

To assist the Ministry of Health in strengthening district maternal and child health and midwifery services, in developing further institutions and facilities for the care of mothers and children, and in supervising personnel employed in maternal and child health services. *Provision*: a maternal and child health adviser and five field supervisors (all continued), \$64 174; supplies and equipment, \$400.

**7. Nutrition***Nutrition (EPTA-I)*

Libya 20

To assist the Government in establishing a nutrition unit in the Ministry of Health to evaluate the nutritional situation and advise on the development of a nutrition policy. Training activities and nutrition education will be undertaken in collaboration with FAO. The project is expected to continue through 1970. *Provision*: a medical nutritionist (continued), \$16 006; fellowships, \$4800; supplies and equipment, \$1000.

**8. Education and Training**

- (a) *Health Training Institute, Benghazi* (Funds-in-trust) Libya 7  
 To assist in training health auxiliaries for the various hospitals and health centres, particularly those located in rural areas. The Health Training Institute, Benghazi (formerly called "Health Assistants' and Sanitarians' Institute"), was set up in 1956 with the assistance of WHO and UNICEF. The first training course for sanitarians and health officers started in 1961 and the second in 1962. The training of malenurses started in 1963. By the end of 1964, twenty-four health assistants, seventy-six sanitarians and forty-four laboratory technicians had completed training and been taken into government employment. In 1965 thirty-eight male nurses were under training. WHO assistance is expected to continue through 1968. *Provision*: a medical officer and a laboratory technician (both continued) and two nurse educators, \$46 520.
- (b) *Fellowships* Libya 200  
 Four long-term fellowships for undergraduate medical studies. *Provision*: \$28 000.
- (c) *Fellowships* (EPTA-I) Libya 201  
 A long-term fellowship for undergraduate medical studies, and two twelve-month fellowships in various fields. *Provision*: \$13 500.

**PAKISTAN***(See page 414)***1. Malaria**

- (a) *Eradication Programme* Pakistan 36  
 To assist with the eradication programme, the plan of operation for which was signed in 1961. The project is being implemented in successive stages and is expected to last until 1975. The United States Agency for International Development is providing assistance, and assistance on an emergency basis was also provided by UNICEF for 1965. Steady progress has been made: by the end of 1964, a population of 25 719 000 was covered by operations in the attack phase and areas with a population of 19 370 000 entered the preparatory phase—together about half the population under malaria risk. In view of the advancement of the programme, parts of the country are becoming ready for discontinuation of spraying and are entering the consolidation phase. *Provision*: an epidemiologist/co-ordinator, two malariologists, two entomologists and four sanitarians (all continued), \$138 903; fellowships, \$5000; supplies and equipment, \$3300.
- (b) *Eradication Training Centres* Pakistan 49  
 To assist in training personnel for the malaria eradication programme. The centres, one each in East and West Pakistan, are training senior and junior personnel—health educators, microscopists, entomological technicians, insect collectors, etc.—in accordance with the staffing requirements of the programme. During the four years of operation up to the end of 1964, the training centre at Lahore, West Pakistan, has conducted thirty-one courses with 761 successful trainees; and the training centre at Dacca, East Pakistan, has conducted twenty-six courses with 545 successful trainees. In view of the progressive development of the malaria eradication programme, the activities of the training centres are expected to expand correspondingly, reaching a peak during the years 1965 to 1967. WHO assistance is expected to continue beyond 1967. *Provision*: two malariologists, two sanitary engineers and two technicians (all continued), \$101 282; fellowships, \$3000; supplies and equipment, \$4000.

**2. Tuberculosis**

- Tuberculosis Control* (EPTA-I) Pakistan 50  
 To assist the Government in determining the methods of tuberculosis control that would be effective in implementing the national plan. The BCG mass campaign project (Pakistan 13) has been merged with this project (formerly the Rawalpindi pilot area project), which will include also the Dacca project, and, on a trial basis, the Chikpura project (integration of health activities into the rural health centres). The WHO team will be attached to the Central Government. *Provision*: a medical officer, a laboratory technician and an X-ray technician (all continued) and a public health nurse, \$50 558; supplies and equipment, \$1000.

**3. Leprosy**

- Leprosy Control* Pakistan 39  
 To assist the Government in controlling leprosy, which is endemic in both East and West Pakistan. A WHO leprologist has helped to establish a nucleus of leprosy control centres in East Pakistan and the number of treatment units, mobile and static, is gradually increasing. He is also advising the Government on leprosy control in West Pakistan. The project started in 1961. *Provision*: a leprologist (continued), \$15 932; supplies and equipment, \$1000.

**4. Public Health Administration**

- (a) *Public Health Institute, East Pakistan* (EPTA-I) Pakistan 33  
 To assist the Government in developing epidemiological and bacteriological departments in the Public Health Institute, Dacca, East Pakistan, by providing an epidemiologist to help in the organization of the epidemiological department and conduct field surveys, and a bacteriologist to train national personnel in bacteriological and clinical laboratory methods. The project started in June 1963 and is expected to continue until 1968. *Provision*: an epidemiologist and a bacteriologist (both continued), \$31 823.

*(b) National Health Laboratories, Islamabad*

Pakistan 48

To assist the Government in establishing at Islamabad national health laboratories that will centralize laboratory research for both West and East Pakistan. *Provision:* three laboratory experts (continued), \$40 590; a consultant for four months, \$6800; fellowships; \$5000; supplies and equipment, \$10 000.

**5. Vital and Health Statistics***Hospital and Health Centre Statistics (EPTA-I)*

Pakistan 57

To assist in obtaining information on the activities of hospitals and health centres in curative and preventive medicine and on their utilization by various socio-economic population groups; in developing model procedures for recording activities, and in special studies relating to the registration of vital events, staffing problems, etc. A training centre for medical records officers will be established and it is envisaged ultimately to develop a system of national hospital and health centre statistics. The project is expected to continue through 1968. *Provision:* a health statistician and a medical records librarian (both continued), \$25 229; fellowships, \$4800; supplies and equipment, \$400.

**6. Nursing***Nursing Education, East Pakistan*

Pakistan 30

To assist with the strengthening of nursing education in East Pakistan in order to meet the needs of the expanding health services. The project started in 1963 and is expected to continue through 1968. *Provision:* two nurse educators (both continued), \$19 819; supplies and equipment, \$500.

**7. Social and Occupational Health***Occupational Health*

Pakistan 66

To assist in developing social and occupational health services. *Provision:* a consultant for three months, \$5100; fellowships, \$6000; supplies and equipment, \$5000.

**8. Radiation and Isotopes***Fellowships*

Pakistan 200

To train personnel in radiation protection. *Provision:* \$11 000.

**9. Environmental Health***(a) Teaching of Sanitary Engineering, Lahore*

Pakistan 34

To assist the Government in the reorganization of the post-graduate course in sanitary engineering at the University of Engineering and Technology, Lahore. *Provision:* a professor of sanitary engineering (continued), \$17 682; supplies and equipment, \$1000.

*(b) Community Water Supply and Rural Sanitation, West Pakistan*

Pakistan 54

To assist in developing the organization and management of community water supply programmes and to advise on the technical, legal, financial and administrative aspects of community water supply, and on matters pertaining to rural sanitation. The project started in 1961 (under the Special Account for Community Water Supply) and is expected to continue through 1968. *Provision:* a sanitary engineer and a sanitarian (both continued), \$29 050, supplies and equipment, \$1000.

*(c) Environmental Health Services*

Pakistan 55

To assist the Government in establishing, in the Ministry of Health, a department of environmental health responsible for planning and administering a national programme. The project is expected to continue until 1970. *Provision:* a sanitary engineer (continued), \$18 162; supplies and equipment, \$1000.

*(d) Air Pollution*

Pakistan 68

To investigate the causes and recommend remedial measures for air pollution problems in certain cities in West Pakistan. *Provision:* a consultant for three months, \$5100.

*(e) Fellowships*

Pakistan 200

To enable qualified personnel to receive training abroad in sanitary engineering. *Provision:* \$6500.

**10. Education and Training***Fellowships (Regular and EPTA-I)*

Pakistan 200 and 201

For studies in various fields. *Provision:* under the regular budget—ten fellowships, \$40 000; under the Expanded Programme—five fellowships, \$20 000.



## QATAR

(See page 416)

## Environmental Health

## Environmental Health

Qatar 1

To assist the Government in the study and control of environmental health problems. *Provision*: a consultant for three months, \$5100; fellowships, \$3500; supplies and equipment, \$500.

## SAUDI ARABIA

(See page 416)

## 1. Malaria

## Pre-eradication Programme

Saudi Arabia 4

To assist in developing the national malaria service and the rural health services, with the main object of preparing for a nationwide malaria eradication programme. The project started in January 1963. *Provision*: a malariologist, an entomologist and a sanitarian (all continued), \$50 198; supplies and equipment, \$250.

## 2. Tuberculosis

## Tuberculosis Control (National Pilot Area)

Saudi Arabia 13

To test, through the tuberculosis centre in Riyadh and the mobile BCG vaccination units, methods of case-finding, treatment and follow-up, using simple, practical and effective methods which might later be extended to the whole country. The project started in 1963. *Provision*: a medical officer, a public health nurse and an X-ray technician (all continued), \$43 534; fellowships, \$3500; supplies and equipment, \$500.

## 3. Parasitic Diseases

## Bilharziasis Control

Saudi Arabia 24

To assist with a survey of bilharziasis problems in Saudi Arabia, to provide information for planning control measures. Short surveys were conducted by WHO consultants in 1950 and 1951; it was established that *Schistosoma mansoni* infection is fairly widely distributed throughout the country. *S. haematobium* foci have also been discovered in Hedjaz and these have been confirmed as a source of infection among Mecca pilgrims. *Provision*: a consultant for two months, \$3400; supplies and equipment, \$200.

## 4. Virus Diseases

## Smallpox Eradication

Saudi Arabia 30

To assist with a smallpox eradication campaign to cover the entire population of Saudi Arabia. *Provision*: a consultant for two months, \$3400; supplies and equipment, \$5000.

## 5. Public Health Administration

## (a) Public Health Laboratory (Regular and Funds-in-trust)

Saudi Arabia 7

To assist the Government in establishing a national health laboratory in Riyadh, for which a new building has been constructed. The project started in mid-1964. *Provision*: under the regular budget—a bacteriologist and a laboratory technician (both continued), \$32 029; supplies and equipment, \$500; under Funds-in-trust—a pathologist and a haematologist (both continued), \$31 364.

## (b) Basic Public Health and Medical Care Services (Funds-in-trust)

Saudi Arabia 29

To assist the Government in improving health services in the Eastern Province by establishing a model provincial health organization with the following objectives: (i) development of community health centres providing integrated preventive and curative services; (ii) development of a model centre for in-service training; (iii) development and operation of a 250-bed base hospital to provide specialized supporting clinical services for the area and serve as a training centre for personnel assigned to other hospitals; (iv) improvement of the planning, administrative and supervisory services in the provincial health administration and the development of integrated and co-ordinated overall basic health services. The project started in 1963. *Provision*: for the provincial health organization—a public health adviser, a health educator, a sanitary engineer, a public health nurse/midwife, a statistician, an administrative officer and a secretary (all continued); for the base hospital—a medical officer, two hospital administrators, a laboratory director, a nursing adviser and a nursing instructor (all continued); for the model community health centre—a public health nurse, a nurse/midwife, a sanitarian and a public health administrator (all continued), \$247 783.

## 6. Chronic and Degenerative Diseases

## Cancer Control (Funds-in-trust)

Saudi Arabia 39

To advise on the treatment of cancer. *Provision*: a radiotherapist (continued), \$16 563.

**7. Environmental Health***Sanitary Engineering and Municipal Programming (Funds-in-trust)*

Saudi Arabia 38

To assist the Government in drawing up a municipal programme to be carried out by the Ministry of Interior. The project started in 1963. *Provision*: a sanitary engineer (continued), \$22 806.

**8. Education and Training***(a) Training of Medical and Health Personnel (Funds-in-trust)*

Saudi Arabia 35

To assist the Government in the establishment, development and co-ordination of training projects within the country, including those intended for training of auxiliary and professional personnel. One of the main functions of the medical officer assigned to the project, which started in 1964, is to help in establishing a section of education and training at ministry level. *Provision*: a medical officer (continued), \$19 126; a consultant for three months, \$5100.

*(b) Fellowships (Regular and EPTA-I)*

Saudi Arabia 200 and 201

For training in various fields. *Provision*: under the regular budget—five twelve-month fellowships, \$15 000; under the Expanded Programme—three twelve-month fellowships, \$9000.

**9. Other Activities***Management of Pharmacy and Medical Stores (Funds-in-trust)*

Saudi Arabia 36

To assist in organizing a network of pharmacy and medical stores services; preparing a national formulary, and a medical stores catalogue; establishing pertinent pharmaceutical legislation, and organizing training courses for auxiliary personnel. *Provision*: a pharmaceutical and medical stores adviser (continued for six months), \$7315.

**SOMALIA***(See page 417)***1. Malaria***Pre-eradication Programme (Regular and EPTA-I)*

Somalia 2

To assist in developing the national malaria service and the rural health services in preparation for a malaria eradication programme. The project started in May 1962. Spraying operations have been continued in two demonstration and training areas in the south, and a third is to be initiated in 1965 in the north for larviciding trials in water collections. *Provision*: under the regular budget—a malariologist and a sanitarian (both continued), \$29 534; supplies and equipment, \$300; under the Expanded Programme—a medical officer and a sanitarian (both continued), \$29 932; supplies and equipment, \$2000.

**2. Tuberculosis***Tuberculosis Control (EPTA-I)*

Somalia 11

To assist in the testing, in selected areas, of simple, practical and effective methods of tuberculosis prevention and treatment (mass BCG vaccination, sputum examination); and to study the possible extension of these methods to the whole country and the integration of some of the activities into the work of basic health centres. The Mogadishu tuberculosis centre serves the project as a static operational and training centre. The project started in 1960 and is expected to continue through 1968. *Provision*: two medical officers, a public health nurse and a laboratory technician (all continued), \$49 640; supplies and equipment, \$300.

**3. Venereal Diseases and Treponematoses***Venereal Disease Survey*

Somalia 29

To carry out a country-wide survey to study the serological prevalence of syphilis in representative cities, rural areas and areas where the population is nomadic. *Provision*: a consultant for six months, \$10 200; supplies and equipment, \$500.

**4. Public Health Administration***(a) Basic Health Services (EPTA-I)*

Somalia 13

To assist in setting up a rural demonstration and training area for students of the training institution set up through project Somalia 8 (see below), and to provide advisory services to the Basic Health Services Division of the Department of Health. The project started in 1962 and is expected to continue through 1968. The laboratory technician is to develop clinical laboratory services for the area. *Provision*: a medical officer and a sanitarian (both continued), a public health nurse and a laboratory technician, \$52 732; supplies and equipment, \$200.

*(b) Public Health Laboratory Services*

Somalia 25

To advise the Government on the establishment and development of technical methods for laboratory investigations and to assist in providing training facilities, including in-service training, for all grades of technical staff. The project is expected to start in 1965 and continue beyond 1967. *Provision*: a microbiologist (continued), \$13 938; fellowships, \$3500; supplies and equipment, \$1000.

**(c) Public Health Advisory Services (EPTA-I)**

Somalia 27.01

To assist the Government in implementing the health plan recently prepared with WHO assistance, including the organization of the central and regional services of the Ministry of Health; the preparation of details for the plan of construction of health premises; the organization of health services; and the preparation of health legislation. The staff assigned to the project will work in close co-operation with the basic health services project (Somalia 13). The project is expected to continue through 1971. *Provision:* a public health administrator and a public health nurse, \$32 138.

**5. Dental Health***Training of Dental Assistants, Hargeisa*

Somalia 26

To train dental assistants for health centres, particularly in rural areas, in view of the acute shortage of professional dental personnel. The project is expected to continue through 1968. *Provision:* a dental officer (continued), \$15 619; fellowships, \$3000; supplies and equipment, \$3000.

**6. Nursing***Nursing Education (EPTA-I)*

Somalia 15

To assist the Government in strengthening nursing services by establishing a pattern of nursing education suitable for the whole country. The project started in 1961 and is expected to continue through 1969. *Provision:* two nurse educators (both continued), \$21 555; supplies and equipment, \$400.

**7. Environmental Health***Environmental Health Services*

Somalia 18

To assist the Government in organizing and promoting a national environmental health programme, particularly with respect to the provision of community water supplies. The project started in 1965 and is expected to continue through 1970. *Provision:* a sanitary engineer and a sanitarian (both continued), \$29 690.

**8. Education and Training***(a) Training of Health Personnel*

Somalia 8

To train health auxiliary personnel, including health officers, sanitarians and public health nurse/midwives, and also to provide refresher and in-service training for other health personnel. The project started in 1959 and is expected to continue through 1968. *Provision:* a public health adviser, a sanitarian and a nurse educator (all continued), a biologist and a laboratory technician, \$65 057; supplies and equipment, \$500.

*(b) Health Training Institute*

Somalia 27.02

To assist in training technological health personnel, including sanitarians, laboratory and X-ray technicians, anaesthetists and statisticians. The project is expected to start in 1967 and to continue through 1970. *Provision:* a medical officer and a public health adviser, \$30 412; supplies and equipment, \$3000.

*(c) Fellowships*

Somalia 200

Two long-term fellowships for undergraduate medical studies and two twelve-month fellowships in various fields. *Provision:* \$40 000.

*(d) Fellowships (EPTA-I)*

Somalia 201

A long-term fellowship for undergraduate medical studies and a twelve-month fellowship. *Provision:* \$20 000.

**SUDAN***(See page 418)***1. Malaria***(a) Pre-eradication Programme*

Sudan 6

To assist with the gradual development of national malaria services and the rural health services, with the main object of preparing for a malaria eradication programme to cover the whole country. The project started in June 1963. *Provision:* a malariologist, an entomologist, a sanitarian and a clerk-stenographer (all continued), \$48 011; fellowships, \$1500; supplies and equipment, \$250.

*(b) Eradication Training Centre*

Sudan 32

To assist in training personnel for the malaria programme. The plan of operation for the establishment of the centre was signed in May 1963, and the first course was completed in December 1964. *Provision:* a malariologist and a technician instructor (both continued), \$25 545; fellowships, \$1500.

## 2. Parasitic Diseases

### (a) *Bilharziasis Control Training Centre*

Sudan 5

To assist in setting up a centre to train personnel for a country-wide survey of bilharziasis and eventually a control programme. The site of the project, as recommended by the WHO Bilharziasis Advisory Team, will be either in or north of Khartoum. *Provision:* a malacologist, \$14 018; a consultant (epidemiologist) for four months, \$6800; fellowships, \$1500; supplies and equipment, \$500.

### (b) *Onchocerciasis Control*

Sudan 26

To assist with an onchocerciasis survey and control programme. The project began in 1963, following a preliminary survey made in 1959 by a WHO consultant. A survey of *Simulium damnosum* in the southern part of the country has been completed and a comprehensive survey of the Nile north of Khartoum started in December 1964. Control measures for the south are under consideration. *Provision:* an entomologist (continued), \$16 486; fellowships, \$3800; supplies and equipment, \$1000.

## 3. Virus Diseases

### *Communicable Eye Disease Control (EPTA-I)*

Sudan 15

To test the effectiveness of the control methods used in a pilot treatment programme against communicable eye diseases that is being carried out in urban and rural communities. The programme is to be integrated into the public health services. The project started in 1962; it has been expanded from mid-1965, and is expected to continue through 1967. *Provision:* an ophthalmologist and a public health nurse (both continued), \$25 831.

## 4. Leprosy

### *Leprosy Control*

Sudan 12

To survey the leprosy situation in the south of Sudan and to assist the Government to plan future action. *Provision:* a consultant for two months, \$3400.

## 5. Public Health Administration

### *Medical Research Centre (EPTA-I)*

Sudan 35

To assist the Government in expanding the activities of the medical research laboratories, for which a new institute has been constructed. *Provision:* three consultants, each for four months, \$20 400; fellowships, \$5000; supplies and equipment, \$10 000.

## 6. Nursing

### *Nursing Education, Khartoum*

Sudan 7

To assist in training nurses for high level posts in teaching and supervision. The project started in 1955; the WHO nurse educators were withdrawn in 1965, but the senior nurse educator remained to give guidance to the national staff in the execution of the project, and to advise on the further development of nursing for the country. *Provision:* a consultant for three months, \$5100; fellowships, \$7000; supplies and equipment, \$500.

## 7. Chronic and Degenerative Diseases

### *Cancer Control*

Sudan 30

To assist in developing radiation and isotopes services for the treatment of cancer patients in Khartoum Hospital. The project, which was delayed by unforeseen circumstances, is due to come into operation in 1967 and to continue until 1969. *Provision:* a radiotherapist, \$14 018; fellowships, \$3500; supplies and equipment, \$600.

## 8. Mental Health

### *Fellowships*

Sudan 200

Fellowships in mental health. *Provision:* \$6000.

## 9. Nutrition

### *Nutrition Division, Khartoum*

Sudan 20

To advise on the establishment of a nutrition division in the Ministry of Health and, in collaboration with FAO, to assist in conducting food consumption and nutrition surveys throughout the country, so as to provide information for a nutrition education programme. It is expected that the University of Khartoum will collaborate in the project through its programme of education and training in nutrition. The project started in 1965 and WHO assistance is expected to continue throughout 1969. *Provision:* a medical nutritionist (continued), \$14 433; fellowships, \$1500; supplies and equipment, \$1000.

## 10. Environmental Health

### (a) *Environmental Health*

Sudan 36

To assist the Ministry of Health in planning and administering a national environmental health programme. The project started in 1965 and is expected to continue through 1970. *Provision:* a sanitary engineer (continued), \$18 849; fellowships, \$3500; supplies and equipment, \$500.

(b) *Treatment of Industrial Wastes (EPTA-I)* Sudan 41  
To help the Government to investigate and regulate the treatment of industrial wastes, particularly those produced by the factories in Khartoum north. *Provision:* a consultant (chemical engineer) for six months, \$10 200; supplies and equipment, \$1000.

(c) *Community Water Supply, Gezira* Sudan 42  
To advise the Gezira Board on the problems of water purification in the villages of the Gezira area, and on the alterations required to the present plants and the design of new plants. The project started in 1965. *Provision:* a consultant for three months, \$5100.

## 11. Education and Training

(a) *Teaching of Paediatrics* Sudan 39  
To assist the Medical School of the University of Khartoum to establish a department of paediatrics to carry out teaching and research. The Medical School and teaching hospital will provide the necessary physical facilities for the project, which is expected to last until 1968. *Provision:* a professor of paediatrics and a nurse (both continued), \$23 385; fellowships, \$7000; supplies and equipment, \$1000.

(b) *Fellowships (Regular and EPTA-I)* Sudan 200 and 201  
For training in various fields. *Provision:* under the regular budget—five twelve-month fellowships, \$20 000; under the Expanded Programme—four twelve-month fellowships, \$16 000.

## SYRIA

(See page 420)

### 1. Malaria

*Eradication Programme (Regular and EPTA-I)* Syria 2  
To assist with the eradication programme. The surveillance operations were reorganized in 1964 in order to provide better coverage, and it is expected that the programme will reach the maintenance phase in the whole country by 1966. *Provision:* under the regular budget—a sanitarian and an administrative assistant (both continued), \$15 736; two consultants, each for two months, \$6800; supplies and equipment, \$500; under the Expanded Programme—a malariologist (continued), \$18 000.

### 2. Parasitic Diseases

*Bilharziasis Control* Syria 4  
To evaluate the methods of bilharziasis control in the country, particularly in the light of recommendations made by a consultant in 1964. *Provision:* a consultant for two months, \$3400; fellowships, \$3000; supplies and equipment, \$1000.

### 3. Virus Diseases

*Communicable Eye Disease Control* Syria 20  
To devise and test control methods against communicable eye diseases in the country, and to train personnel for the control operations to follow. The project site will depend upon the epidemiological findings of a survey to be made in 1966. The project is expected to continue through 1968. *Provision:* an ophthalmologist and a public health nurse, \$24 403; fellowships, \$1500; supplies and equipment, \$500.

### 4. Public Health Administration

(a) *Rural Health Unit (EPTA-I)* Syria 16  
To assist in establishing a model health service in a rural area to serve as a demonstration and teaching unit for the future expansion of rural health services. The project started in 1958 in the Sakba area, close to Damascus, and moved in 1962 to Harran El Awamid. It is hoped to expand activities to the other rural areas in the province in 1967 and 1968 with the assistance of the provincial health department. The project operates in close contact with a community development centre established in the area and it is used also for field training for project Syria 39 (Training of Sanitarians). *Provision:* a medical officer, a sanitarian and a public health nurse (all continued), \$36 678; fellowships, \$3800; supplies and equipment, \$1000.

(b) *Public Health and Endemic Diseases Laboratory* Syria 30  
To develop the services of the Government Public Health and Endemic Diseases Laboratory, in particular the food microbiology section, following recommendations made by a consultant in 1963. The project began in 1959. *Provision:* a bacteriologist (continued), \$14 433; fellowships, \$3800; supplies and equipment, \$1000.

### 5. Nursing

*Nursing Education, Damascus* Syria 37  
To assist in developing a national school of nursing in Damascus. The project started in 1960, and the school was opened in 1964. Before this, assistance was given to nursing education in Deir Ez Zor. The project is expected to continue through 1970. *Provision:* three nurse educators (all continued), \$28 041; fellowships, \$7000; supplies and equipment, \$500.

## 6. Environmental Health

### *Training of Sanitarians (EPTA-I)*

Syria 39

To assist in training sanitarians for service in the Ministry of Health. The project, which was in operation from 1961 to early 1964, was reactivated in 1965. *Provision*: a sanitarian tutor (continued), \$11 443; supplies and equipment, \$500.

## 7. Education and Training

### (a) *Medical School, Aleppo (EPTA-I)*

Syria 47

To assist in the establishment of a new medical school in Aleppo, and in developing teaching and research at the school. A WHO medical consultative group visited the country in April-May 1964. The second phase of the project is expected to start in 1966 and to continue through 1968. *Provision*: two medical officers, \$28 036; a consultant for three months, \$5100; fellowships, \$6000; supplies and equipment, \$3000.

### (b) *Fellowships (Regular and EPTA-I)*

Syria 200 and 201

For training in various fields. *Provision*: under the regular budget—four twelve-month fellowships, \$15 000; under the Expanded Programme—two twelve-month fellowships, \$7000.

## TUNISIA

(See page 421)

## 1. Malaria

### *Eradication Programme (EPTA-I)*

Tunisia 17

To follow up the development of malaria activities subsequent to a visit made to Tunisia by a consultant during June-July 1964, to ascertain whether the country is ready to launch a malaria eradication programme. *Provision*: a consultant for one month, \$1700.

## 2. Vital and Health Statistics

### *Vital and Health Statistics (EPTA-I)*

Tunisia 37

To assist in developing a system of vital and health statistics, in setting up a permanent statistical service in the Ministry of Public Health, and in training staff in health statistics techniques. The project is planned to start early in 1967 and to continue through 1968. *Provision*: a health statistician, \$14 018; fellowships, \$3500; supplies and equipment, \$500.

## 3. Nursing

### (a) *Nursing Education (EPTA-I)*

Tunisia 34

To assist in strengthening nursing education through the organization of courses to prepare qualified nurses for the administration of nursing services. The project started in 1965 and is expected to continue until 1970. *Provision*: a nurse educator (continued), \$11 104; supplies and equipment, \$500.

### (b) *Fellowships*

Tunisia 200

Fellowships in nursing education and/or nursing services administration. *Provision*: \$6000.

## 4. Social and Occupational Health

### *Medical Rehabilitation Centre (EPTA-I)*

Tunisia 29

To assist the Government in the development, organization and expansion of medical rehabilitation services for the physically handicapped, and also to assist in training medical and paramedical personnel. A WHO consultant visited Tunisia in 1961 to assist in planning a medical rehabilitation centre and fellowships have been awarded. In 1963 another WHO consultant made a further survey and prepared a scheme for implementation from the latter part of 1965. *Provision*: a medical officer (continued), \$14 433; supplies and equipment, \$200.

## 5. Chronic and Degenerative Diseases

### *Cancer Control*

Tunisia 35

To assist the Government in establishing a comprehensive cancer institute for the diagnosis, treatment and follow-up of cancer cases in the whole country. A consultant was assigned in 1964 to assist in organizing the institute and in purchasing the technical equipment. *Provision*: a consultant (radiotherapist) for three months, \$5100; fellowships, \$3500; supplies and equipment, \$300.

## 6. Environmental Health

### *Environmental Health Services (EPTA-I)*

Tunisia 18

To assist with a programme of environmental health, with emphasis on the development of sanitary engineering services and on training of personnel. The project started in 1962 and is expected to continue through 1970. *Provision*: a sanitary engineer (continued), \$18 450; fellowships, \$6000; supplies and equipment, \$500.

**7. Education and Training***(a) Medical Education*

Tunisia 27

To assist in establishing and developing the Medical School in Tunis. WHO has provided consultants, professors in basic medical sciences, supplies and equipment for post-graduate training abroad of teaching personnel. The first group of students was enrolled in the autumn of 1964. The project is expected to continue through 1968. *Provision*: three professors in basic medical sciences and a professor of social and preventive medicine (all continued), \$55 034; fellowships, \$5000; supplies and equipment, \$1000.

*(b) Training of Health Personnel*

Tunisia 31

To prepare qualified nursing instructors to meet the demand for education and training programmes. The project started in 1964 and is expected to continue until 1970. Tunisian nurses who have qualified as tutors abroad will assist the WHO staff and by 1967 will be prepared to assume full responsibility, with advice from the Regional Office as required. *Provision*: a nurse educator (continued), \$8709; supplies and equipment, \$1000.

*(c) Training Centre for the Repair and Maintenance of Medical Equipment (EPTA-I)*

Tunisia 33

To assist in setting up a training centre for the maintenance and repair of medical equipment, including X-ray apparatus, medical and electro-medical apparatus, hospital and laboratory equipment, surgical instruments and other similar equipment. The project started in 1963. *Provision*: an X-ray technician (continued), \$12 624.

*(d) Fellowships (Regular and EPTA-I)*

Tunisia 200 and 201

For training in various fields. *Provision*: under the regular budget—seven twelve-month fellowships, \$20 000; under the Expanded Programme—four twelve-month fellowships, \$12 000.

**UNITED ARAB REPUBLIC***(See page 422)***1. Malaria***Eradication Programme*

United Arab Republic 23

To assist with an eradication programme, the preparatory phase of which is planned to last until June 1967 and the attack phase from July 1967 to June 1970. Assistance is expected to be required for approximately ten years. *Provision*: a malariologist (continued), \$14 778; fellowships, \$3000; supplies and equipment, \$500.

**2. Parasitic Diseases***Bilharziasis Control Pilot Project and Training Centre*

United Arab Republic 49

To design and test control measures to determine the most effective and economical means of controlling bilharziasis under conditions existing in the country. It started in 1961 when a WHO epidemiologist was assigned. As from 1965 the project is being developed as a field demonstration and training centre for the Region, and basic research is also being undertaken. The project is expected to continue through 1968, after further evaluation. *Provision*: a public health engineer and a malacologist (both continued), \$34 989; a consultant for three months, \$5100; supplies and equipment, \$3000.

**3. Virus Diseases***(a) Virology Research Laboratory*

United Arab Republic 37

To assist in the further development of the virology research laboratory. A consultant was provided in 1964 and another consultant is planned for 1967 to assess the progress of the project. *Provision*: a consultant for three months, \$5100; fellowships, \$3500; supplies and equipment, \$1000.

*(b) Poliomyelitis Institute, Cairo*

United Arab Republic 58

To assist with the medical rehabilitation programme in the Poliomyelitis Institute in Cairo. *Provision*: a physical therapist (continued), \$9990.

**4. Leprosy***Leprosy Control*

United Arab Republic 54

To assist in establishing a leprosy pilot project in Aswan and Qena. *Provision*: a consultant for two months, \$3400; fellowships, \$3000; supplies and equipment, \$1000.

**5. Nursing***(a) Nursing Education (EPTA-I)*

United Arab Republic 50

To assist in strengthening nursing education and services through basic and post-basic nursing education; and to develop a model educational plan for nursing personnel and model nursing services in hospitals and health centres. The project started in 1961. *Provision*: three nurse educators (continued), \$30 913.

**(b) Higher Institute of Nursing, Cairo University**

United Arab Republic 65

To assist in establishing a four-year programme to prepare young women for leading posts in nursing education, administration and services. The programme will follow the pattern of that of the Higher Institute of Nursing, Alexandria, formerly assisted by WHO, and the faculty will comprise graduates of that institute assisted by international nurse educators. The project is expected to continue through 1970. *Provision:* four nurse educators (three continued), \$51 684; fellowships, \$10 500; supplies and equipment, \$1000.

**6. Nutrition****Nutrition Institute (EPTA-I)**

United Arab Republic 35

To assist in improving the nutritional situation in the United Arab Republic, and in co-ordinating the nutrition activities of the Ministry of Public Health and of other ministries and administrations concerned with nutrition and health. The project started in 1960 and is expected to continue through 1968. *Provision:* a medical nutritionist, \$14 018; supplies and equipment, \$500.

**7. Radiation and Isotopes****Fellowships**

United Arab Republic 200

To train personnel in radiation medicine. *Provision:* \$3500.

**8. Environmental Health****Sanitary Engineering Research (EPTA-I)**

United Arab Republic 38

To assist the Government in organizing a laboratory and a centre for sanitary engineering research and to strengthen teaching in this field. The project started in 1958 and is expected to continue until 1969. *Provision:* a consultant for two months, \$3400; fellowships, \$5000; supplies and equipment, \$2000.

**9. Education and Training****(a) High Institute of Public Health, Alexandria**

United Arab Republic 27

To assist in the development of the High Institute of Public Health, which is one of the very few schools of public health operating in the Region. The Institute has also been used for training in post-graduate public health WHO fellows belonging to other countries of the Region. The project started in 1956 and is expected to continue through 1968. *Provision:* a consultant for two months, \$3400; fellowships, \$2000; supplies and equipment, \$2000.

**(b) Fellowships (Regular and EPTA-I)**

United Arab Republic 200 and 201

For training in various fields. *Provision:* under the regular budget—sixteen fellowships, \$25 000; under the Expanded Programme—five fellowships, \$7500.

**10. Other Activities****Concentrated Sera Production Plant (EPTA-I)**

United Arab Republic 44

To assist the Government in establishing a concentrated sera production unit at the central laboratories. The project started in 1957. *Provision:* a consultant for one month, \$1700.

**YEMEN***(See page 423)***1. Parasitic Diseases****Bilharziasis Control (EPTA-I)**

Yemen 5

To assess the bilharziasis problem in Yemen. *Provision:* a consultant for six months, \$10 200; fellowships, \$9600; supplies and equipment, \$400.

**2. Public Health Administration****(a) Public Health Administration**

Yemen 3

To assist the Government in the organization of the health and medical care services at the central level. WHO has, since 1961, provided a public health adviser, who also serves as WHO representative, to co-ordinate the assistance in other fields provided by the Organization. The project is expected to continue beyond 1967. *Provision:* a public health adviser (continued), \$20 455; fellowships, \$3800; supplies and equipment, \$500.

**(b) Local Health Services**

Yemen 15.01 and 15.02

To assist in organizing two health centres with integrated services, one at Hodeida and one at Taiz. The centres will train various categories of auxiliary staff and will work very closely with the project staff in the Health Centre and Training School in Sana'a (see project Yemen 8 below). The project is expected to last at least five years. *Provision:* for Hodeida, where the project started in 1963—a medical officer, a sanitarian and a nurse/midwife (all continued), \$41 304; fellowships, \$3800; supplies and equipment, \$8000; for Taiz, where the project started in 1965—a medical officer, a public health nurse and a sanitarian (all continued), \$37 181; fellowships, \$3800; supplies and equipment, \$8000.



**3. Environmental Health***Environmental Health Services*

Yemen 17

To assist the Government in the study of environmental health problems. *Provision*: a sanitary engineer, \$15 140; supplies and equipment, \$2500.

**4. Education and Training***(a) Health Centre and Training School, Sana'a (EPTA-I)*

Yemen 8

To assist the Health Centre and Training School, Sana'a, which trains different categories of auxiliary personnel, including sanitarians, nurse/midwives and laboratory technicians, for the government health services. The project started in 1956 and is expected to continue through 1968. *Provision*: a senior adviser, a medical officer, two public health nurses, a nurse/midwife, an X-ray technician, a sanitarian and a laboratory technician (all continued), \$90 935; supplies and equipment, \$10 000.

*(b) Fellowships*

Yemen 200

Five long-term fellowships for undergraduate medical studies. *Provision*: \$30 000.

*(c) Fellowships (EPTA-I)*

Yemen 201

A long-term fellowship for undergraduate medical studies, and two twelve-month fellowships. *Provision*: \$10 000.

**INTER-COUNTRY PROGRAMMES***(See page 424)***1. Malaria***Eradication Evaluation Team*

EMRO 58

To assist governments in the assessment and co-ordination of their malaria eradication programmes. The project started in 1961, having its headquarters in Beirut, Lebanon. Since problem areas have developed in some of the advanced programmes, owing to vector resistance and other factors, the team's terms of reference have been revised to include the carrying-out of studies in these areas to analyse the causes and remedy the situation. *Provision*: a malariologist, an epidemiologist, an entomologist, a technician and a secretary (all continued), \$71 460; contractual services, \$9000.

**2. Virus Diseases***(a) Virology Training*

EMRO 53

To provide training in virology. *Provision*: two fellowships, \$7000.

*(b) Smallpox Eradication*

EMRO 88

To review the situation in the Region as regards smallpox eradication, since several countries have completed eradication campaigns, and to make specific recommendations. *Provision*: a consultant for two months, \$3400; supplies and equipment, \$5000.

**3. Public Health Administration***Advisory Services*

EMRO 43

To meet requests from countries in the Region for advice on subjects for which no regional adviser is available and for which it may be impracticable to obtain assistance from headquarters staff. *Provision*: twenty consultant months, \$34 000.

**4. Vital and Health Statistics***(a) Travelling Seminar on Vital and Health Statistics (EPTA-I)*

EMRO 36.03

A three-week seminar to study health statistics procedures at various levels of administration in the USSR and Czechoslovakia. *Provision*: attendance of participants, \$20 000.

*(b) Epidemiological and Statistical Centre*

EMRO 51

To assist in designing, processing, analysing and evaluating morbidity surveys undertaken in various field projects, especially surveys of tuberculosis, trachoma, bilharziasis and diarrhoeal diseases. The project started in 1960. *Provision*: a health statistician and a statistical clerk (both continued), \$14 035; supplies and equipment, \$400.

(c) *Medical Records Advisory Services (EPTA-I)*

EMRO 101

To provide advice on medical recording in hospitals and health centres, and on hospital statistics, to countries which are establishing or improving medical records units; to train national medical records officers; to develop coding of morbidity and mortality records on the basis of the International Classification of Diseases, and to prepare short manuals on recording procedures for hospital administrative and statistical purposes. The project started in 1965 and is expected to continue through 1968. *Provision:* a medical records adviser (continued), \$10 495.

**5. Health Education**(a) *Arab States Training Centre for Education in Community Development (EPTA-I)*

EMRO 7

To assist in the integration of health education and public health into an overall training programme in community development. Emphasis is being given to the training of health personnel (physicians, nurses, sanitarians, etc.) and other categories (teachers, agricultural and social workers) in the general principles of community development, as an introduction to the public health aspects of the programme. The Centre, which is situated in Sirs-el-Layyan, United Arab Republic, is an international centre supported mainly by UNESCO, in close co-operation with the Government of the United Arab Republic and international agencies such as the United Nations, ILO, FAO and WHO. It trains community development workers from Arab States. The project started in 1953 and WHO assistance is expected to continue through 1968. *Provision:* a public health adviser (continued), \$15 551; supplies and equipment, \$1000.

(b) *Course for Measurement and Evaluation Techniques in Health Education (EPTA-I)*

EMRO 115

A six-week course for measurement and evaluation techniques in health education. Its aim is to help senior health educators of the Region better to gear future activities to needs, and to evaluate them. *Provision:* two consultants, each for eight weeks, \$6800; attendance of twelve to fifteen participants, \$16 600.

**6. Maternal and Child Health**(a) *Seminar on the Health Needs of the Pre-School Child*

EMRO 113

To discuss and review the health problems of the pre-school child and the integration of maternal and child health services into the general public health programme of the country concerned—a two-week seminar. *Provision:* two consultants, each for two months, \$6800; attendance of participants, \$17 200; supplies and equipment, \$2000.

(b) *Fellowships*

EMRO 200

To provide fellowships in maternal and child health and social paediatrics for training at the International Children's Centre, Paris, or for participation in seminars and other educational activities organized by the Centre, particularly in the Region. *Provision:* fellowships, \$8000.

**7. Nutrition**(a) *Nutrition in Maternal and Child Health Activities*

EMRO 105

To introduce new concepts of nutritional care of children by intensifying nutrition education of the mother, improving the management of cases of malnutrition and rehabilitating children suffering from malnutrition. The work will be carried out through the maternal and child health services and emphasis will be laid on the protection of the pre-school child. Also, to train staff of the countries of the Region, and to hold training courses in one country. The project is expected to continue through 1968. *Provision:* a consultant nutritionist for nine months, \$15 300; fellowships, \$4500.

(b) *Food Hygiene under Storage*

EMRO 117

To assess quantitatively, and define the causes of, food losses during storage. These are believed to be considerable and to be related to building design, ventilation, storage facilities and techniques, and control of vermin. An expert on food hygiene will visit countries in the Region to advise on the extent and causes of spoilage and deterioration of food through storage, and on the public health measures to be taken. The project is expected to continue through 1968. *Provision:* a food hygiene expert, \$15 206.

(c) *Manual on Nutrition*

EMRO 118

To prepare a manual on nutrition, which would be used by medical and health staff engaged in nutrition work and in training nutrition personnel. The manual is intended to complement those prepared by other agencies which do not specifically deal with medical and health matters. It will be drafted with specific attention to the Arab world and will be issued in Arabic. The project is expected to be completed in 1967. *Provision:* a consultant medical nutritionist for three months, \$5100; supplies and equipment, \$1000.

**8. Radiation and Isotopes***Fellowships*

EMRO 200

To train public health administrators in the techniques of radiation protection. *Provision:* \$5000.

**9. Environmental Health**(a) *Training for Sanitarians (EPTA-I)*

EMRO 79

A centre to provide advanced training in sanitation and supervision of sanitation services. The project began in 1965. *Provision:* a sanitary engineer (continued), \$14 998; fellowships, \$15 000; supplies and equipment, \$1000.

- (b) *Course in Municipal Refuse Disposal* EMRO 96.02  
To train municipal engineers from cities in the Region on methods of refuse collection and disposal. It is proposed to hold the course in Khartoum. *Provision:* a consultant for two months, \$3400; fellowships, \$11 000; supplies and equipment, \$1000.
- (c) *Survey of Surface Water Pollution* EMRO 119  
The study the increased pollution of rivers caused by water-borne sewage and industrialization. *Provision:* a consultant for three months, \$5100; supplies and equipment, \$500.
- (d) *Seminar on Air Pollution* EMRO 122  
To review problems in air pollution and methods of control, on completion of studies in several countries of the Region. *Provision:* a consultant for two months, \$3400; attendance of participants, \$12 600; supplies and equipment, \$600.
- (e) *Fellowships* EMRO 200  
To provide fellowships for training in sanitary engineering. *Provision:* \$12 000.

## 10. Education and Training

- (a) *Meeting of Medical Educators* EMRO 42.03  
To review progress in medical education in the Region since the earlier meeting of 1963, and to follow up the recommendations made during the Conference on Medical Education held in Teheran in 1962. *Provision:* attendance of participants, \$7500; supplies and equipment, \$500.
- (b) *Participation in Educational Meetings* EMRO 45  
To enable educators in various disciplines to attend educational meetings, particularly those announced at short notice. The project started in 1959 and is expected to continue until 1970. *Provision:* \$15 000.
- (c) *Assistance to Medical Librarians* EMRO 55.01  
To follow up assistance in training medical librarians by providing books and periodicals to meet urgent needs of medical libraries in the Region. *Provision:* supplies and equipment, \$20 000.
- (d) *Training of Laboratory Technicians* EMRO 61  
To provide advanced training for technician tutors who will subsequently occupy teaching and supervisory posts in their countries of origin. The first course began in Beirut, Lebanon, in October 1962 and was attended by eleven fellows from eight countries. The second course started in October 1964 and is expected to end around mid-1966. It is planned, on completion of the second course, to continue this activity, probably in another country of the Region, and to revise the curriculum so as to prepare specialized laboratory technicians in serology, immuno-haematology and blood bank methods. *Provision:* a laboratory technician (continued), \$13 416; fellowships, \$6000; supplies and equipment, \$6000.
- (e) *Training of Medical Radiology Technicians (EPTA-I)* EMRO 62  
A two-year course for instructors in medical radiology, radiodiagnosis, radiotherapy and radioisotope work. Candidates have already been selected for the course, which will be held in Iraq. *Provision:* a radiologist and an X-ray technician (continued), \$14 006; fellowships, \$28 000; supplies and equipment, \$3500.
- (f) *Medical Education* EMRO 84  
To provide assistance for undergraduate and post-graduate education and in establishing new medical faculties. The project started at the beginning of 1965 and is to continue through 1967 and possibly 1968. *Provision:* an adviser on medical education (continued), \$20 778; fellowships, \$15 000; supplies and equipment, \$15 000.
- (g) *Evaluation of Training of Auxiliaries* EMRO 109  
To evaluate a few training projects for health auxiliaries that are in operation in the Region. *Provision:* a consultant for three months, \$5100; supplies and equipment, \$300.
- (h) *Fellowships* EMRO 200  
To enable senior health administrators from the Region to obtain advanced training in principles of national health planning. *Provision:* \$10 000.

## 11. Other Activities

- (a) *Medical Literature* EMRO 44  
To meet requests for medical literature and teaching supplies received at short notice from medical schools, institutions and training centres in operation in the Region. The project started in 1954. *Provision:* supplies and equipment, \$2000.
- (b) *Reproduction of Reports* EMRO 120  
For the issue of reports on conferences held in previous years. *Provision:* supplies, \$1000.

## WESTERN PACIFIC

### REGIONAL OFFICE

(See page 428)

*Personnel*: the Regional Director, sixteen professional and forty-two general service posts, as in 1966. *Proposed in addition for 1967*—a second post of personnel officer and two general service posts. The provision for temporary staff is the same as for 1966.

*Duty travel*: for discussions and review of policies and programmes with government officials and field staff. The provision is the same as for 1966.

*Other costs*: provision for public information supplies and material as for 1966.

*Common services*: estimates increased by approximately \$1000 over 1966.

### REGIONAL ADVISERS

(See page 431)

*Personnel*: as for 1966 (see page 431).

*Duty travel*: to enable the advisers to familiarize themselves with the problems in their respective fields and to discuss and advise on the planning, implementation and evaluation of projects. The provision for 1967 is the same as for 1966.

*Common services*: estimates approximately \$1000 less than in 1966.

### WHO REPRESENTATIVES

(See page 432)

*Personnel*: as for 1966. The seven WHO representatives are stationed in Cambodia, China (Taiwan), Fiji, Laos, Malaysia, Republic of Korea, and Viet-Nam. The provision for temporary staff is the same as for 1966.

*Duty travel*: to maintain liaison with government officials and with multilateral and bilateral agencies operating in the areas, and to assist in the planning, implementation and development of health programmes. The provision is the same as for 1966.

*Common services*: estimates approximately \$1400 less than in 1966.

### AUSTRALIA

(See page 433)

#### Public Health Administration

##### Fellowships

Australia 200

*Provision*: three fellowships, \$13 500.

### BRITISH SOLOMON ISLANDS PROTECTORATE

(See page 433)

#### 1. Malaria

##### *Pre-eradication Programme* (Regular and EPTA-I)

British Solomon Islands Protectorate 2

To assist in building up the operational facilities for an eradication programme. The pre-eradication programme will include the development of the malaria eradication service and an adequate network of rural health services. *Provision*: under the regular budget—an entomologist (continued), \$13 335; fellowships, \$6600; supplies and equipment, \$300; under the Expanded Programme—a malariologist and a sanitary engineer (both continued), \$30 232.

#### 2. Public Health Administration

##### *Rural Health Services* (EPTA-I)

British Solomon Islands Protectorate 7

To assist in expanding and strengthening the network of local health services, which are to include referral services. The training of medical assistants and nurse/midwives is proceeding at a rate which should enable the sixty rural health units and the hospitals to be fully staffed by 1968. With the strengthening of the local health services, further assistance will be given to the antimalaria programme. Assistance, which started in 1965, is expected to continue through 1971. *Provision*: a public health nurse (continued), \$13 123; a three-month fellowship, \$1200.

**3. Nursing***Nursing Education*

British Solomon Islands Protectorate 3

To assist in training nursing staff. A new health centre was established in 1965 and is being used as a teaching and demonstration centre for the school of nursing. In-service training and special programmes for locally-trained staff are also being assisted, and non-government schools of nursing and midwifery are being advised. Assistance, which started in 1959, is expected to continue through 1971. *Provision*: a nurse educator (continued), \$11 604; a three-year fellowship, \$9000.

**BRUNEI***(See page 433)***1. Malaria***Pre-eradication Programme*

Brunei 3

A project similar to British Solomon Islands Protectorate 2 above. The eradication programme is to start in 1966 if the necessary conditions are fulfilled. *Provision*: fellowships, \$6600.

**2. Environmental Health***Fellowships*

Brunei 200

*Provision*: a fellowship in rural environmental health, \$1400.

**CAMBODIA***(See page 434)***1. Malaria***Pre-eradication Programme (Regular and EPTA-I)*

Cambodia 1

A project similar to British Solomon Islands Protectorate 2 above. *Provision*: under the regular budget—an entomologist, a sanitarian, a technician and a mechanic (all continued), \$57 738; fellowships, \$6600; local costs, \$7500; supplies and equipment, \$5000; under the Expanded Programme—a malariologist and a technician (both continued), \$34 259.

**2. Tuberculosis***Tuberculosis Control*

Cambodia 7

To assist in assessing the extent of the tuberculosis problem, and planning and executing a nation-wide control programme. The project started in 1965 and is expected to continue through 1969. In 1967 the training of personnel required for the national programme in case-detection, domiciliary treatment and prevention will be continued. *Provision*: a medical officer and a public health nurse (both continued), \$27 365; a twelve-month fellowship, \$4000.

**3. Public Health Administration***(a) Rural Health Training Centre (EPTA-I)*

Cambodia 9

To assist in developing a model public health service for one district, which will provide the pattern of organization for future rural health services; and to train health staff and students. By 1965 the training of staff and the organization of the centre had progressed sufficiently for the terms of reference to be broadened to include advisory services in connexion with the development of local health services throughout the country. WHO assistance started in 1957. It is expected that, by the end of 1967, sufficient national staff should have been trained to take over full responsibility for the planning of future activities. *Provision*: a medical officer, a public health nurse, a nurse/midwife and a sanitary engineer (all continued), \$67 302; four twelve-month fellowships, two in public health midwifery and two in public health nursing, \$28 000.

*(b) Epidemiology and Health Statistics*

Cambodia 17

To assist in developing epidemiological and vital statistical services at the Ministry of Health. The project started in 1965 and it is expected that assistance will continue through 1969. It is hoped that by 1967 a firm basis for the control of communicable diseases will have been established and that the strengthening of statistical services and laboratory aid in epidemiological work can proceed. *Provision*: a twelve-month fellowship in statistics, \$4000.

*(c) Health Laboratory Development (EPTA-I)*

Cambodia 22

To assist with the training of laboratory technicians and the development of side-room clinical laboratories in the provincial hospitals. Between 1962 and 1964, WHO provided assistance in strengthening the Institute of Biology. During this period health laboratory workers were trained, the health laboratory services were reorganized and plans prepared for the installation of similar facilities in the provincial hospitals. The expansion of activities to the periphery and the further training of laboratory technicians form part of the Government's second national socio-economic development plan. *Provision*: a non-medical laboratory technologist, \$17 255.

**4. Nursing***Nursing Education and Administration*

Cambodia 13

To advise the Ministry of Health on nursing administration, nursing education, public health nursing and hospital nursing services. It is expected that assistance will continue through 1970. *Provision*: three nurse educators (one continued), \$47 445; two twelve-month fellowships in nursing administration and midwifery, \$11 000; supplies and equipment, \$300.

**5. Maternal and Child Health***(a) Advisory Services (EPTA-I)*

Cambodia 4

To advise the responsible technical unit in the Ministry of Health, assist in the organization of maternal and child health services in provincial centres, and give some further assistance in school health. During 1967, the emphasis will be on the steps required to integrate the maternal and child health programme into the general public health programme. Assistance is expected to continue through 1968. *Provision*: a consultant for six months, \$10 200.

*(b) School Health (EPTA-I)*

Cambodia 18

To help to expand and improve the existing school health services in Phnom-Penh and its surroundings, study school health in rural areas, initiate a course in health education for school-teachers, and establish country-wide school health services. *Provision*: a school health nurse and a school health educator (both continued), \$35 028; two twelve-month fellowships, \$14 000.

**6. Nutrition***Nutrition Training*

Cambodia 20

To define the most urgent nutrition problems and train staff in nutrition work. The project is planned to start in 1966 and to continue through 1970. In the first year a survey of the nutritional problems will be carried out, priority being given to protein-calorie malnutrition. In 1967 work will start on the planning of programmes and the training of personnel with a view to integrating nutrition activities into the national health services. *Provision*: a medical nutritionist (continued), \$16 166; a twelve-month fellowship, \$7000.

**7. Environmental Health***Environmental Sanitation Training (EPTA-I)*

Cambodia 19

To assist in developing a national sanitation training plan and in training a cadre of sanitarians for environmental sanitation work in the villages and towns. Assistance, which started in 1965, is expected to continue through 1968. *Provision*: a sanitarian (continued), \$17 256; two six-month fellowships, \$9000; supplies and equipment, \$500.

**8. Education and Training***Fellowships (EPTA-I)*

Cambodia 201

Two three-year fellowships, one in physiology and the other in preventive and social medicine, for staff of the Royal Faculty of Medicine. *Provision*: \$28 500.

**CHINA***(See page 435)***1. Tuberculosis***Fellowships*

China 200

A twelve-month fellowship in the public health aspects of tuberculosis control. *Provision*: \$3000.

**2. Bacterial Diseases***Fellowships*

China 200

A six-month fellowship in diphtheria/pertussis/tetanus vaccine production. *Provision*: \$2200.

**3. Virus Diseases***(a) Trachoma Control*

China 34

To review operations in the mass campaign against trachoma, which is expected to reach its final stages in 1967. A fellowship is also proposed to enable an ophthalmologist to obtain further diagnostic experience before the assessment phase in 1968. *Provision*: a consultant for three months, \$5100; a fellowship, \$2200.

*(b) Virus Laboratory Services*

China 52

To advise on the general activities of the Communicable Disease Control Centre that is to be set up in 1966 and to assist in the expansion of laboratory facilities. It is expected that, following improvements in epidemiological and laboratory services, the main emphasis in 1967 will be on planning and organizing a control programme, particularly for virus diseases. *Provision*: a medical officer and a virologist, \$30 278; two twelve-month and two six-month fellowships for staff of the Centre, \$11 800; supplies and equipment, \$1000.

**4. Leprosy***Fellowships*

China 200

A six-month fellowship to enable a nurse to study methods for the prevention of disabilities in leprosy. *Provision*: \$2800.

**5. Public Health Administration***(a) Advisory Services*

China 46

To help the Government in planning and assessing its future health programme. In the first phase, which started in 1965, emphasis was placed on the strengthening of epidemiological, statistical and laboratory services. Practical and locally suitable procedures for the investigation, diagnosis, prevention and control of the main communicable diseases are to be developed. In 1967, assistance will be given in the organization of nursing administration at the provincial level. Assistance is expected to continue through 1968. *Provision*: a public health nursing administrator (continued), \$12 247; a twelve-month fellowship in midwifery, \$4000.

*(b) Fellowships*

China 200

A twelve-month fellowship for a medical officer. *Provision*: \$7000.

**6. Nursing***(a) College of Nursing, National Taiwan University (EPTA-I)*

China 50

To assist the College of Nursing in establishing a programme and curriculum leading to a master's degree. *Provision*: a consultant for four months, \$6800; a six-month fellowship for a senior faculty member, \$4000.

*(b) Fellowships*

China 200

Two twelve-month fellowships in public health nursing. *Provision*: \$14 000.

**7. Social and Occupational Health***Physical and Occupational Therapy*

China 49

To assist in converting the School of Medical Technology into one for allied professions so that paramedical staff other than laboratory technologists can be trained there. In 1967, assistance will be provided in planning the development of an occupational therapy training programme and in the training of deaf-mutes. The project is expected to continue through 1970. *Provision*: a physical therapy adviser (continued), \$13 063; two consultants for six months, \$20 400; two six-month fellowships, \$9000.

**8. Health Education***Fellowships*

China 200

Two twelve-month fellowships for staff in the Health Education Division or holding health education faculty posts in medical, public health or teacher-training institutions. *Provision*: \$14 000.

**9. Mental Health***Mental Health Programme*

China 20

In the first phase of this project, completed in December 1964, assistance was given in organizing community mental health services and training in mental health nursing. A foundation now exists for extending the programme to cover schools and communities throughout the province. In 1966, emphasis will be placed on the establishment of training courses for psychiatric social workers and work will begin on an analysis of the accumulated experience of the special education programme for the mentally retarded. This work will be continued in 1967. Assistance, which started in 1955, is expected to continue through 1968. *Provision*: a psychiatric social worker (continued), \$12 074; a consultant in psychiatric nursing for three months, \$5100; technical literature, \$500.

**10. Environmental Health***(a) Community Water Supply and Sewerage (EPTA-I)*

China 36

To assist in the provision of adequate, safe and convenient water and sewerage systems for urban communities. Particular emphasis will be placed on training in the techniques of planning, organizing, designing, administering, financing and operating these facilities. The Government has approved a five-year plan for community water-supply development. It is expected that assistance, which began in 1963, will continue through 1968. *Provision*: a sanitary engineer (continued), \$16 032; two fellowships, \$4200.

*(b) Water Pollution*

China 53

To advise on new techniques and organization for the control of water pollution from domestic and industrial wastes. *Provision*: a consultant for two months, \$3400.

*(c) Fellowships*

China 200

Two twelve-month fellowships—one in environmental health administration and one in water pollution, and two six-month fellowships in water, refuse and night-soil treatment. *Provision*: \$18 200.

**11. Education and Training***Institute of Public Health*

China 27

To provide advanced training to the teaching staff of the Institute of Public Health. *Provision:* a twelve-month fellowship in public health nursing, and two fellowships to study the post-graduate teaching of public health, \$9400.

**COOK ISLANDS***(See page 436)***Public Health Administration***Fellowships*

Cook Islands 200

A twelve-month fellowship for a course leading to the diploma of public health. *Provision:* \$3400.

**FIJI***(See page 437)***1. Public Health Administration***Fellowships*

Fiji 200

To enable a locally qualified medical officer to take a course leading to the diploma in public health. *Provision:* a twelve-month fellowship, \$3400.

**2. Nursing***Fellowships*

Fiji 200

A nine-month fellowship to enable a local sister to undertake higher administrative training in nursing. *Provision:* \$3400.

**3. Health Education***Training in Health Education*

Fiji 11

To assist in teaching health education at undergraduate and post-graduate levels at the Fiji School of Medicine, the Central Nursing School, and the Fiji School of Public Health Nursing. It is expected that assistance will continue through 1968. *Provision:* a health education instructor, \$13 166; an eighteen-month fellowship, \$9400.

**4. Education and Training***(a) Fiji School of Medicine*

Fiji 2

To complete the training of a biologist for the Fiji School of Medicine. *Provision:* a twelve-month fellowship, \$3600.

*(b) Fellowships*

Fiji 200

To provide post-graduate training in biochemistry for a locally trained technician. *Provision:* a twelve-month fellowship, \$3600.

**GILBERT AND ELLICE ISLANDS***(See page 438)***1. Tuberculosis***Fellowships*

Gilbert and Ellice Islands 200

A twelve-month fellowship for the study of chest clinic techniques. *Provision:* \$3600.

**2. Bacterial Diseases***Diarrhoeal Disease Control*

Gilbert and Ellice Islands 8

To assist in establishing a project for the control of diarrhoeal diseases. *Provision:* a medical officer and a social anthropologist, \$26 541; supplies and equipment, \$1000.

**3. Nursing***Nursing Education (EPTA-I)*

Gilbert and Ellice Islands 4

To develop a basic education programme for nursing personnel, organize in-service training and refresher courses, assess the need for overseas training, and help in improving hospital nursing services and in developing the public health services. Assistance, which started in 1964, is expected to continue through 1968. *Provision:* a nurse educator (continued), \$12 515; a six-month fellowship in midwifery, \$2000; supplies and equipment, \$50.



**4. Maternal and Child Health***Fellowships*

Gilbert and Ellice Islands 200

A fellowship in the organization of rural maternal and child health services. *Provision:* \$1400.

**GUAM***(See page 438)***1. Vital and Health Statistics***Fellowships*

Guam 200

*Provision:* a twelve-month fellowship, \$7000.

**2. Nursing***Nursing Education*

Guam 2

To assist in planning and developing the nursing education programme in the College of Guam. *Provision:* a nurse educator, \$12 325; a twelve-month fellowship in public health nursing, \$3000.

**3. Health Education***Fellowships*

Guam 200

*Provision:* a twelve-month fellowship, \$3000.

**4. Environmental Health***Fellowships*

Guam 200

*Provision:* a twelve-month fellowship for a sanitary inspector, \$7000.

**HONG KONG***(See page 439)***1. Tuberculosis***Advisory Services*

Hong Kong 16

To assist in planning and establishing a statistical section in the Tuberculosis Unit of the Medical and Health Department, which will provide statistical data for research in the tuberculosis service. *Provision:* a statistician (tuberculosis), \$14 750.

**2. Dental Health***Fellowships*

Hong Kong 200

A twelve-month fellowship in dental technology. *Provision:* \$4000.

**3. Mental Health***Fellowships*

Hong Kong 200

A twelve-month fellowship for a medical worker to study psychiatric social work. *Provision:* \$4000.

**4. Radiation and Isotopes***Fellowships*

Hong Kong 200

A six-month fellowship for a medical officer to study radiation hazards and public health. *Provision:* \$2800.

**5. Environmental Health***Fellowships*

Hong Kong 200

A twelve-month fellowship for an engineer to study waste disposal methods and practices. *Provision:* \$4000.

**6. Other Activities***Fellowships*

Hong Kong 200

A fellowship for a medical officer to study communicable disease control programmes. *Provision:* \$2200.

## JAPAN

(See page 440)

**1. Tuberculosis***Fellowships*

Japan 200

A fellowship for the study of tuberculosis prevention and control, particularly chemoprophylaxis and BCG vaccination. *Provision: \$2200.*

**2. Virus Diseases***Fellowships*

Japan 200

Two fellowships—one in public health virus diagnostic laboratory techniques and procedures, and one in clinical diagnosis, chemoprophylaxis and chemotherapy of smallpox. *Provision: \$4200.*

**3. Public Health Administration***Fellowships*

Japan 200

Two fellowships—one in the management, operation and facilities of central laboratory systems in hospitals; and one in methods of measuring levels of health, morbidity surveys, and the establishment of health indices. *Provision: \$4400.*

**4. Vital and Health Statistics***Fellowships*

Japan 200

Two fellowships in hospital statistics and the mechanical processing of statistical data. *Provision: \$4400.*

**5. Dental Health***Fellowships*

Japan 200

*Provision: a fellowship, \$2200.*

**6. Social and Occupational Health***(a) Medical Rehabilitation*

Japan 23

To assist the Government in expanding its medical rehabilitation programme. On the basis of recommendations by two WHO consultants in 1962 and 1963, the Government established its first training school for physical and occupational therapy, and a three-year course has been started. The first graduates will be available in 1966 and post-graduate experience will then be provided in order to ensure an adequate number of qualified instructors for the new schools, which will be established in 1969. Assistance is expected to continue through 1969. *Provision: a physical therapist (continued), \$13 113; a twelve-month fellowship in occupational therapy, \$4000.*

*(b) Fellowships*

Japan 200

Four fellowships to study (i) the various approaches utilized in the prevention of accidents among pre-school children; (ii) the methods and techniques of speech guidance for deaf children; (iii) the orthopaedic surgical treatment of the physically handicapped and (iv) the various systems of medical insurance. *Provision: \$8800.*

**7. Chronic and Degenerative Diseases***Fellowships*

Japan 200

A fellowship to study the basic principles and the latest methods for the prevention and control of cancer. *Provision: \$3300.*

**8. Maternal and Child Health***Fellowships*

Japan 200

A fellowship to study the care and guidance of children with congenital heart disease, chronic osteomyelitis, progressive muscular atrophy, phocomelia, etc. *Provision: \$2200.*

**9. Mental Health***Advisory Services*

Japan 25

To advise on a community mental health care programme. *Provision: a consultant, \$5950.*

**10. Radiation and Isotopes***Fellowships*

Japan 200

A fellowship to study the legal and technical requirements for the use of medical radiation and radiation protection. *Provision: \$2200.*

**11. Environmental Health***Fellowships*

Japan 200

Three fellowships—one in sanitation problems and one in problems of noise, both in modern cities, and the third in control of food additives. *Provision*: \$6600.

**12. Education and Training***Fellowships*

Japan 200

A fellowship to study the organization and administration of a general medical research centre. *Provision*: \$3300.

**13. Other Activities***Fellowships*

Japan 200

Four fellowships for the study of (i) drug control procedures; (ii) the development and use of synthetic or plastic materials for medical appliances; (iii) the latest methods for the assay of marijuana and (iv) the epidemiology and prevention of haemolytic streptococcal infections. *Provision*: \$9900.

**LAOS***(See page 441)***1. Malaria***Pre-eradication Programme*

Laos 5

To assist in training senior staff for a malaria programme. *Provision*: fellowships, \$3400.

**2. Public Health Administration***(a) Central Public Health Laboratory (EPTA-I)*

Laos 2

To assist the central public health laboratory (the only one in the country), which will be used for training health personnel, for providing services for the central hospital in Vientiane, and for the expanding health programmes. Assistance is also being given in the teaching of laboratory subjects at the Medical School. In 1965, plans were made to introduce health laboratory services in selected provincial hospitals as a first step towards the development of peripheral health laboratories. It is expected that assistance will continue through 1968. *Provision*: a medical officer (continued), \$18 000; a two-year fellowship, \$8500.

*(b) Rural Health Development (EPTA-I)*

Laos 10

To participate in the United Nations special programme of assistance for rural development. Since 1964 the WHO team has been concerned with the organization and operation of basic health services in the project area in order to demonstrate a pattern of rural health services for the country. Health surveys are being carried out, health centre activities increased and general sanitation improved. The project area is to be used also for a one-year training programme for sanitary agents who will work as health inspectors in the rural health services. Assistance started in 1961 and is expected to continue through 1972. *Provision*: a medical officer, a sanitarian, and a nurse/midwife (all continued), \$40 600.

**3. Nursing***Nursing Education (EPTA-I)*

Laos 12

To assist in developing training programmes to prepare nursing and midwifery personnel for the health services, and in improving nursing services in the health services and hospitals, particularly in those where nursing is taught; and to advise generally on the development of national nursing and midwifery services. Assistance, which started in 1962, is expected to continue through 1968. *Provision*: a senior nurse educator and three nurse educators (all continued), \$44 500; a two-year fellowship, \$8500.

**4. Maternal and Child Health***Maternal and Child Health Services*

Laos 6

To assist in improving and expanding health services for mothers and children. The training of maternal and child health teams for the provinces and of rural midwives is in progress, and plans are being implemented to improve clinical facilities in the provinces. UNICEF is providing equipment and supplies, and assistance has also been given by the United States Agency for International Development, the Asia Foundation, the Colombo Plan, and the Tom Dooley Foundation. The project started in 1959 and is expected to continue through 1969. *Provision*: a medical officer, a senior nurse educator, two nurse educators (all continued), \$53 515.

**5. Environmental Health***Environmental Sanitation (EPTA-I)*

Laos 11

To ensure that programmes are soundly planned, train national personnel in environmental sanitation, and advise generally on technical questions. The project is planned to start in 1966 and continue through 1972. *Provision*: a sanitary engineer (continued), \$16 400.

## 6. Education and Training

### *School of Medicine*

Laos 15

To assist in improving the teaching of basic medical sciences at the School of Medicine, which is to become a Faculty of Medicine. *Provision:* three lecturers—in preventive medicine, physiology and biology, and anatomy, \$47 814.

## MACAO

(See page 442)

### Health Education

#### *Fellowships*

Macao 200

A twelve-month fellowship to enable a health educator to receive further training at a graduate school of public health offering a health education specialist course. *Provision:* \$3000.

## MALAYSIA

(See page 442)

### 1. Malaria

#### (a) *Pre-eradication Programme, Malaya*

Malaysia 20

A project similar to British Solomon Islands Protectorate 2 above. *Provision:* a malariologist, an entomologist and a sanitary engineer (all continued), \$53 580; fellowships, \$4500; supplies and equipment, \$5000.

#### (b) *Eradication Programme, Sabah (Regular and EPTA-I)*

Malaysia 42

To assist with the eradication programme that started in 1961. Total coverage by residual spraying has been achieved in most of the malarious areas, and some parts of the state have entered the consolidation phase; in other areas surveillance operations have started. *Provision:* under the regular budget—a malariologist and a sanitarian (both continued), \$37 021; fellowships, \$6600; supplies and equipment, \$300; under the Expanded Programme—a malariologist, an entomologist and a sanitary engineer (all continued), \$55 211.

#### (c) *Eradication Programme, Sarawak (Regular and EPTA-I)*

Malaysia 43

To assist with the malaria eradication programme, which started in 1961 and which is expected to continue until 1968. *Provision:* under the regular budget—a malariologist (continued), \$15 536; fellowships, \$3000; supplies and equipment, \$1000; under the Expanded Programme—a malariologist, an entomologist and a sanitarian (all continued), \$47 157.

### 2. Public Health Administration

#### (a) *Strengthening of Rural Health Services and Training of Health Personnel, Malaya, Sabah and Sarawak*

Malaysia 35

To assist the Government in developing and expanding facilities for training staff for the rural health services and to advise on the rural health programme throughout Malaysia. In 1965, a start was made on consolidating the advisory services for rural health and for training personnel in the States of Malaya, Sabah and Sarawak. The consolidated plan includes phasing of expansion and development of uniform standards throughout the country. Assistance, which started in 1964, is expected to continue through 1968. *Provision:* a public health administrator, a public health nurse, a public health nurse educator and a sanitarian (all continued), \$58 011; five fellowships in rural health—one for Malaya, two for Sabah, and two for Sarawak, \$7800; supplies and equipment, \$1000.

#### (b) *Fellowships, Malaya*

Malaysia 200

*Provision:* a six-month fellowship, \$1800.

### 3. Vital and Health Statistics

#### *Hospital Records and Health Statistics, Malaya (EPTA-I)*

Malaysia 15

To assist in strengthening the health statistical machinery of the Ministry of Health. This is the third phase of a project that began in November 1956. (The first phase was the improvement of the medical records system at Penang General Hospital, which is to serve as a training field; the second covered the training of hospital records officers.) It is expected that assistance will continue through 1968. *Provision:* a hospital records officer (continued), \$17 104; two twelve-month fellowships, \$14 000.

### 4. Nursing

#### *Advisory Services (EPTA-I)*

Malaysia 32

To advise the Ministry of Health of Malaysia at national, state and local level in connexion with the study, planning, organization and administration of nursing/midwifery services and in the development of education programmes to meet the manpower needs of the country. Assistance is expected to continue through 1970. *Provision:* four nurse educators (two continued), \$55 847; two twelve-month fellowships—one in nursing service administration and the other in nursing education, \$11 000; technical literature, \$50.

**5. Social and Occupational Health***Industrial Health, Malaya (EPTA-I)*

Malaysia 68

To carry out a survey of industries in order to assess requirements for planning a national industrial health service. The project is planned to start in 1967 and continue through 1968. *Provision:* an industrial hygienist, \$15 354; two twelve-month fellowships in the health aspects of factory inspection, \$14 000.

**6. Health Education***(a) Advisory Services, Malaya*

Malaysia 30

To advise on the planning and implementation of the national health education scheme, guide health educators working in the various states, and train personnel. A ten-year health education scheme has been prepared and a health education division has been established in the Federal Ministry of Health. In 1967 plans will be made for a health education project for the whole of Malaysia, under which emphasis will be given to the development of health education services at federal and state levels, and to strengthening health education training for health and medical workers and school-teachers. In the meantime, the services of the WHO adviser will also be available to Sabah and Sarawak on request. It is expected that assistance will continue through 1969. *Provision:* a health educator (continued), \$14 494; a fifteen-month fellowship, \$8950.

*(b) Fellowships, Sabah*

Malaysia 200

*Provision:* a twelve-month fellowship, \$3400.

**7. Maternal and Child Health***Fellowships, Malaya*

Malaysia 200

*Provision:* a twelve-month fellowship, \$4000.

**8. Nutrition***Advisory Services, Sabah and Sarawak*

Malaysia 55

To assist in defining the most urgent nutrition problems and drawing up a nutrition programme. The project is planned to start in 1966 and the first two years will be devoted to an assessment of the immediate nutritional problems. Two more years will be required for the implementation of these programmes, for the training of personnel and for the integration of activities in the public health services. *Provision:* a medical nutritionist (continued), \$14 821.

**9. Environmental Health***(a) Advisory Services, Malaya (EPTA-I)*

Malaysia 34

To provide specialized advice in sanitary engineering to the Ministry of Health, and assist in setting up a division of environmental sanitation in the Ministry. The project started in 1965 and is expected to continue through 1968. *Provision:* a sanitary engineer (continued), \$17 084; a twelve-month fellowship, \$4800.

*(b) Advisory Services, Sabah and Sarawak*

Malaysia 41

To advise the departments of health, the public works departments and other government agencies in connexion with the development of environmental health schemes, including water supplies, for rural communities. The project is expected to continue through 1969. *Provision:* a sanitary engineer (continued), \$16 634; a fourteen-month fellowship in public health engineering for Sabah, \$4200.

**10. Education and Training***University of Malaya*

Malaysia 40

To assist the Government in training teaching staff for the Faculty of Medicine of the University of Malaya. The project is expected to continue through 1970. *Provision:* a nurse educator (administration), a statistician and a tutor in medical laboratory technology (all continued), and two visiting professors—one in biostatistics and the other in psychiatry, \$69 018; two two-year fellowships—one in psychiatry, the other in preventive medicine, \$22 000.

**11. Other Activities***Fellowships, Malaya*

Malaysia 200

A six-month fellowship in pharmaceuticals manufacture and technology and a twelve-month fellowship in the maintenance of X-ray equipment. *Provision:* \$11 500.

**NEW HEBRIDES***(See page 444)***1. Malaria***Fellowships*

New Hebrides 200

To train senior staff for a malaria programme. *Provision:* \$2200.

**2. Tuberculosis***Tuberculosis Control (EPTA-1)*

New Hebrides 4

To assist in expanding and improving the tuberculosis control services. Systematic tuberculin testing will be carried out, followed by BCG vaccination where required, and the project will include health education work. *Provision:* a medical officer and a public health nurse (both continued), \$24 960; supplies and equipment, \$200.

**NEW ZEALAND***(See page 444)***1. Public Health Administration***Fellowships*

New Zealand 200

A fellowship for a senior health administrator to study the administration of public health and medical care services. *Provision:* \$2400.

**2. Maternal and Child Health***Fellowships*

New Zealand 200

A fellowship for a doctor to study various aspects of maternal and child health programmes. *Provision:* \$2400.

**3. Environmental Health***Fellowships*

New Zealand 200

A fellowship for a senior engineer to study training programmes for post-graduate courses in the field of public health engineering. *Provision:* \$2400.

**PAPUA AND NEW GUINEA***(See page 445)***1. Malaria***Fellowships*

Papua and New Guinea 200

A fellowship to train a senior staff member in malaria eradication techniques, so as to assist the large-scale antimalaria activities which the Government is carrying out. *Provision:* \$2200.

**2. Tuberculosis***Fellowships*

Papua and New Guinea 200

*Provision:* a fellowship, \$2200.

**3. Bacterial Diseases***Fellowships*

Papua and New Guinea 200

A fellowship for the study of communicable diseases. *Provision:* \$2200.

**4. Dental Health***Fellowships*

Papua and New Guinea 200

A six-month fellowship for a post-graduate course in dental health. *Provision:* \$2000.

**5. Nursing***Fellowships*

Papua and New Guinea 200

A fellowship for a post-graduate course in child health nursing. *Provision:* \$2200.

**6. Maternal and Child Health***Fellowships*

Papua and New Guinea 200

Three fellowships—one of six months for a post-graduate course in child health, one in rural maternal and child health and one in paediatric surgery. *Provision:* \$8700.

**7. Mental Health***Fellowships*

Papua and New Guinea 200

A fellowship for the study of comparative psychiatry. *Provision:* \$3700.

## PHILIPPINES

(See page 446)

**1. Malaria***Eradication Programme*

Philippines 53

To assist with the eradication programme launched by the Government in 1958 and expected to end in 1969. Approximately half of the malarious part of the country is under consolidation and the rest, consisting mostly of frontier areas, is under attack. It is expected that by 1967 a number of areas will be moved from the attack into the consolidation phase. *Provision*: five malariologists and an entomologist (all continued), \$99 613; fellowships, \$10 000; supplies and equipment, \$1000.

**2. Tuberculosis***Tuberculosis Control*

Philippines 69

To help to train staff in the techniques of vaccination, case-finding and domiciliary treatment, in order to extend and strengthen the national tuberculosis control programmes; to organize and direct epidemiological studies and assess the control services throughout the country. In 1964 a pilot area was established in Cebu. In 1967 a second pilot area will be established in Davao. The project is planned to last five years, continuing through 1968. *Provision*: a medical officer and a public health nurse (both continued), \$28 054; supplies and equipment, \$500.

**3. Leprosy***Fellowships*

Philippines 200

A twelve-month fellowship in public health and epidemiology and a six-month fellowship in leprosy control. *Provision*: \$9800.

**4. Public Health Administration***(a) Demonstration and Training Centre*

Philippines 88

To assist in establishing a demonstration area for field studies and trials in connexion with the strengthening of the 1300 rural health units in the country, and for providing field practice facilities for local health personnel and post-graduate students of the Institute of Hygiene, University of the Philippines. The project is planned to start in 1966 and continue through 1970. *Provision*: a public health administrator (continued) and a public health nurse, \$26 798; two fellowships, \$5000.

*(b) National Hospital Programme*

Philippines 92

To assist in developing a hospital programme, and particularly in standardizing services, and to obtain information on the type of supplies and equipment most needed by the hospitals. *Provision*: a consultant in medical service administration for six months, \$10 200; two fellowships, \$4400.

*(c) Fellowships*

Philippines 200

A twelve-month fellowship in hospital administration. *Provision*: \$7000.

*(d) Fellowships (EPTA-1)*

Philippines 201

Three fellowships in laboratory management and administration. *Provision*: \$12 000.

**5. Vital and Health Statistics***Fellowships*

Philippines 200

A twelve-month fellowship in hospital statistics. *Provision*: \$7000.

**6. Nursing***(a) Fellowships*

Philippines 200

A twelve-month fellowship in paediatrics for a senior nurse. *Provision*: \$7000.

*(b) Fellowships (EPTA-1)*

Philippines 201

Two twelve-month fellowships in paediatric nursing. *Provision*: \$14 000.

**7. Chronic and Degenerative Diseases***Cancer Control*

Philippines 93

To assist in establishing cancer detection and diagnostic clinics in the eight health regions. *Provision*: a consultant for six months, \$10 200; a twelve-month fellowship, \$7000.

**8. Health Education***School Health Education (EPTA-I)*

Philippines 73

To assist in strengthening health education in schools and teacher-training institutions and to advise on graduate courses for advanced training in school health education. Assistance began in 1963 and is planned to continue through 1967. The final phase provides for greater emphasis on adequate health education preparation for prospective teachers and increased attention to health education needs of teachers and students of the Bureau of Private Schools and the Bureau of Vocational Schools. *Provision*: a school health education specialist (continued), \$15 767; two twelve-month fellowships, \$14 000.

**9. Maternal and Child Health***Social Paediatrics*

Philippines 75

To assist in strengthening social and preventive work in the maternal and child health programme, under which pilot projects have been established in a number of areas and seminars arranged for provincial health officers. The project started in 1963 and assistance with the nursing aspects of the programme is planned to continue through 1967, in which year a paediatric consultant is to assess developments and to help to plan further expansion of the programme. *Provision*: a public health nurse (continued), \$12 347; a consultant for six months, \$10 200.

**10. Mental Health***Advisory Services*

Philippines 4

To advise the Division of Mental Health on planning and implementing a national mental health programme. Training of personnel, co-ordination with voluntary agencies, and use of existing and potential resources for further planning are important activities requiring further assistance. The plan of action calls for the establishment of four regional mental health centres. The decentralization of services from the mental hospital will result in an expansion of field activities which will involve the intensive training of personnel to staff the regional agencies. Epidemiological surveys at the provincial level will also be expanded. The present phase of the project started in 1963 and is expected to terminate in 1968. *Provision*: a medical officer (continued), \$18 371; a consultant in mental health nursing, \$10 200; three twelve-month fellowships, \$21 000; supplies and equipment, \$500.

**11. Nutrition***Pilot Project in Applied Nutrition (EPTA-I)*

Philippines 80

To assist, together with FAO and UNICEF, a pilot project under the auspices of the Department of Education. The programme covers training and orientation courses for personnel, increased production of nutritionally valuable foods, a school feeding programme, and nutrition education in schools. The first phase of the project started in 1964. The results of a comprehensive nutrition survey held in the project area were analysed in the early part of 1965, and constitute the basis of a community action programme for nutrition improvement. A public health non-medical nutritionist will be assigned in 1967 to assist the Government in initiating the action programme at the local level. Assistance is expected to continue through 1970. *Provision*: a non-medical nutritionist, \$13 423; two twelve-month fellowships, \$8600.

**12. Environmental Health***(a) Food Sanitation*

Philippines 87

To advise the Department of Health on food sanitation, including the establishment of standards and the improvement of food preparation, handling and dispensing. In 1967 a consultant will also be required to advise on modern methods of food processing. Assistance started in 1965 and is planned to continue through 1967. *Provision*: a sanitarian (continued), \$12 746; a consultant for three months, \$5100; a six-month fellowship, \$2800.

*(b) Fellowships*

Philippines 200

A twelve-month fellowship in sanitary engineering techniques. *Provision*: \$7000.

**13. Education and Training***Institute of Hygiene, University of the Philippines (EPTA-I)*

Philippines 91

To assist the Institute of Hygiene, which serves as a training centre for health workers in the Region, in developing a post-graduate dental public health programme, ensuring that activities are planned jointly with the College of Dentistry. Also, to assist in developing the social science aspects of public health training in the health education faculty, with special attention to the training of health education specialists, and to assist the Department of Health in connexion with surveys, programme planning, evaluation and practical field training. *Provision*: a cultural anthropologist, \$14 354; a consultant in dental health for six months, \$10 200; a twelve-month fellowship in dental public health, \$7000.

**REPUBLIC OF KOREA***(See page 448)***1. Malaria***Pre-eradication Programme*

Korea 13

A project, similar to British Solomon Islands Protectorate 2 above, which started in 1962. *Provision*: a malariologist and an entomologist (both continued), \$37 512; fellowships, \$4400; assistance with local costs, \$15 000; supplies and equipment, \$10 000.



**2. Tuberculosis***(a) Tuberculosis Control (EPTA-I)*

Korea 19

To assist the Government in carrying out the national tuberculosis control programme, training staff in techniques of BCG vaccination, case-detection and domiciliary treatment, and organizing direct epidemiological studies on problems encountered in the field. In 1965 the Regional Tuberculosis Advisory Team assisted in conducting a national tuberculosis prevalence survey. Its findings will provide a basis for the expansion of activities in 1967 and the future evaluation of the programme. The project is planned to continue through 1968. *Provision:* a medical officer and a public health nurse (both continued), \$33 810.

*(b) Fellowships (EPTA-I)*

Korea 201

Nine fellowships—(i) a twelve-month fellowship in public health nursing; (ii) two six-month fellowships to study tuberculosis control administration; (iii) two six-month fellowships to study tuberculosis field programmes; (iv) two six-month fellowships in BCG statistics assessment; (v) a fellowship in BCG supervision; (vi) a fellowship in statistics and registration. *Provision:* \$24 800.

**3. Leprosy***Leprosy Control (EPTA-I)*

Korea 4

To assist the Government in improving its leprosy control programme by co-ordinating control activities, providing health education, and training medical and other personnel. A pilot area project for the demonstration of case-finding, ambulatory treatment and other methods of control suited to local conditions has been established. Leprosy control work is now being integrated into the general local health services in the demonstration province (see below—project Korea 25). The project started in 1961 and is planned to continue through 1967, to enable the control activities to be expanded to other parts of the country. *Provision:* a leprologist (continued), \$23 355; a fellowship, \$2200.

**4. Public Health Administration***(a) Local Health Services*

Korea 25

To assist in strengthening health services at provincial and local levels. Under this project, which began in 1963, public health services are being developed in a demonstration province and advisory services are being provided for local health services in the other provinces. Assistance is also being given to the Division of Training, National Institute of Health, in connexion with the training of local health personnel. Assistance is expected to continue through 1968. *Provision:* a medical officer, a public health nurse/midwife, a sanitarian and a health educator (all continued), \$62 416; two twelve-month fellowships, one for post-graduate training in public health and the other in health education, and two six-month fellowships, one in laboratory administration and the other in sanitation, \$13 500.

*(b) Fellowships*

Korea 200

A twelve-month fellowship in epidemiology. *Provision:* \$3000.

**5. Maternal and Child Health***Maternal and Child Health Services*

Korea 3

To assist in upgrading the maternal and child health services and to advise on programme planning and operation at national and local levels. *Provision:* a medical officer, \$14 354; two twelve-month fellowships, one in public health administration and the other in nursing (both with emphasis on maternal and child health), \$14 000.

**6. Environmental Health***Advisory Services*

Korea 29

To assist with the development of adequate community water supplies, beginning with Seoul, and to advise on other environmental health problems. The project is planned to start in 1966 and continue through 1968. *Provision:* a sanitary engineer (continued), \$13 471; three twelve-month fellowships—two in sanitary engineering and one in industrial hygiene; three six-month fellowships in food hygiene, and a fellowship in sanitary administration, \$29 100.

**7. Education and Training***(a) National Institute of Health*

Korea 15

To assist the work of the Institute and strengthen the teaching staff. The public health administrator assigned to this project in 1961 was withdrawn in 1965; assistance in developing training courses for nurses is, however, planned to continue through 1967. *Provision:* a public health nurse (continued), \$11 791; a twelve-month fellowship in public health nursing, \$3000.

*(b) School of Public Health, Seoul National University*

Korea 27

To develop and strengthen the teaching, particularly of public health administration, at the School of Public Health, Seoul National University. The project started in 1965 and is expected to continue through 1970. *Provision:* a public health administrator (continued), \$13 711.

## RYUKYU ISLANDS

(See page 449)

**1. Public Health Administration***Fellowships*

Ryukyu Islands 200

Three twelve-month fellowships, in health laboratory management, epidemiology, and hospital administration. *Provision:* \$21 000.

**2. Dental Health***Fellowships*

Ryukyu Islands 200

*Provision:* three fellowships, \$4200.

**3. Nursing***Fellowships*

Ryukyu Islands 200

Three twelve-month fellowships in public health nursing. *Provision:* \$10 400.

**4. Social and Occupational Health***Fellowships*

Ryukyu Islands 200

Four fellowships—two in industrial health and two in occupational health. *Provision:* \$13 200.

**5. Health Education***Fellowships*

Ryukyu Islands 200

*Provision:* a twelve-month fellowship, \$7000.

**6. Radiation and Isotopes***Fellowships*

Ryukyu Islands 200

A twelve-month fellowship in radiology. *Provision:* \$3800.

**7. Environmental Health***Fellowships*

Ryukyu Islands 200

*Provision:* a twelve-month fellowship, \$7000.

## SINGAPORE

(See page 450)

**1. Tuberculosis***Fellowships*

Singapore 200

*Provision:* a six-month fellowship, \$2800.

**2. Public Health Administration***Fellowships*

Singapore 200

A twelve-month fellowship in hospital administration. *Provision:* \$4000.

**3. Nursing***Nursing Administration and Practice*

Singapore 4

To assist in preparing nursing personnel for administrative posts. *Provision:* two nurse educators (one continued), \$23 522; two twelve-month fellowships—one in public health nursing administration and one in hospital nursing administration, \$28 000.

**4. Health Education***Advisory Services*

Singapore 12

To evaluate the health education services and assist in developing an expanded programme, in which particular attention will be given to schools, maternal and child health centres, and training centres and institutions. Assistance is planned to continue through 1967. *Provision:* a health educator (continued), \$14 611; a twelve-month fellowship, \$7000.

**5. Radiation and Isotopes***Advisory Services*

Singapore 13

To advise the new radiotherapy department on the maintenance of electronic equipment, assist in the establishment of an electronic workshop and to train personnel. The project is planned to start in 1966 and continue through 1967. *Provision*: a radiological physicist (continued), \$14 371; a twelve-month fellowship for a radiotherapist, \$4000.

**6. Environmental Health***Fellowships*

Singapore 200

A fourteen-month fellowship for a public health engineer. *Provision*: \$4600.

**7. Education and Training***University of Singapore*

Singapore 11

To strengthen the teaching of preventive medicine and cardiology in the Faculty of Medicine of the University of Singapore. *Provision*: a consultant in cardiology for six months, \$10 200; a two-year fellowship in preventive medicine and public health and a one-year fellowship in electro-encephalography and electromyography, \$16 000.

**TIMOR***(See page 451)***1. Public Health Administration***Fellowships*

Timor 200

*Provision*: a six-month fellowship, \$2400.

**2. Nursing***Fellowships*

Timor 200

*Provision*: a twelve-month fellowship in public health nursing, \$3000.

**TONGA***(See page 451)***1. Public Health Administration***Fellowships*

Tonga 200

A seven-month fellowship for an assistant medical officer to take a course leading to the certificate of public health at the Fiji School of Medicine. *Provision*: \$2000.

**2. Dental Health***Fellowships*

Tonga 200

A six-month fellowship for an assistant dental practitioner to take a post-graduate course in dentistry. *Provision*: \$1800.

**3. Nursing***Fellowships*

Tonga 200

A twelve-month fellowship for a nursing sister to study for a sister tutor's diploma. *Provision*: \$3400.

**4. Environmental Health***Fellowships*

Tonga 200

Two fellowships, to enable (i) an assistant sanitary inspector to take the assistant health inspectors' course at the Fiji School of Medicine, and (ii) a mechanic working in the school sanitation and community water supply project to have practical training. *Provision*: \$4800.

**5. Education and Training***Fellowships*

Tonga 200

A six-month fellowship to give an assistant medical officer post-graduate training in general surgery. *Provision*: \$2200.

## TRUST TERRITORY OF THE PACIFIC ISLANDS

(See page 452)

## 1. Public Health Administration

*Medical Records*

Trust Territory of the Pacific Islands 6

To review local needs and plan training programmes for medical record keepers. *Provision*: a consultant for three months, \$5100.

## 2. Vital and Health Statistics

*Fellowships*

Trust Territory of the Pacific Islands 200

*Provision*: a twelve-month fellowship, \$7000.

## 3. Health Education

*Fellowships*

Trust Territory of the Pacific Islands 200

A twelve-month fellowship to enable a health educator to take a health education specialist course at a graduate school of public health. *Provision*: \$3000.

## VIET-NAM

(See page 453)

## 1. Malaria

*Pre-eradication Programme*

Viet-Nam 16

A project similar to British Solomon Islands Protectorate 2 above, which began in 1962. *Provision*: a malariologist and an entomologist (both continued), \$37 270; fellowships, \$8800; supplies and equipment, \$200.

## 2. Tuberculosis

*Tuberculosis Control (EPTA-I)*

Viet-Nam 7

To assist in setting up a national tuberculosis control service. In 1964 the project, which started in 1958, was reorganized and it is now operating from project areas in Saigon and Hué and a centre in Cantho. The training of BCG workers and the public health/home-visiting staff should be sufficiently advanced to permit the withdrawal of the WHO nurse at the end of 1966. By 1967, four model tuberculosis centres should be in operation and the pattern of operation and administration sufficiently well established for responsibilities to be handed over gradually to the national staff. Assistance is expected to continue through 1968. *Provision*: a medical officer (continued), \$16 518; three fellowships, \$15 000.

## 3. Venereal Diseases and Treponematoses

*Venereal Disease Control*

Viet-Nam 26

To assist in organizing a venereal disease control programme, the activities of which will be based on a plan of action recommended by a WHO consultant in 1964. The project began in 1965 and assistance is expected to continue through 1969. *Provision*: a venereologist and a nurse educator (both continued), \$26 866; a six-month fellowship, \$2800; supplies and equipment, \$500.

## 4. Leprosy

*Leprosy Control*

Viet-Nam 34

To assist in expanding and intensifying the leprosy control programme and in training personnel for this purpose. The project started in 1965, when a consultant leprologist assisted in drawing up a detailed plan of action for future activities. In 1967 a second consultant will assess the progress made. *Provision*: a consultant for three months, \$5100; a twelve-month fellowship, \$4000.

## 5. Public Health Administration

(a) *Preventive Medicine*

Viet-Nam 14

To assist in developing the epidemiological services at central and regional levels, and in training national health workers in this field. The first phase, establishing a preventive medicine service in the Ministry of Health, was completed in 1962. In the second phase, five regional communicable disease centres will be established. Advice will also be given in connexion with the planning, administration and operation of a national immunization programme. Assistance, which started in 1960, is expected to continue through 1967. *Provision*: an epidemiologist (continued), \$15 496; a twelve-month fellowship, \$7000.

(b) *Hospital Administration*

Viet-Nam 15

To advise on hospital administration, standardization of hospital records and reporting. A thorough study has already been made of the budgetary and financial aspects of hospital administration and recommendations formulated for their improvement. A pilot hospital for testing improved methods of hospital management has been selected. Plans have been made for the training of hospital superintendents and managers. In 1967, training activities will continue and recommendations covering the legislative and administrative aspects of the project will be prepared. Assistance, which started in 1963, is expected to continue through 1968. *Provision*: a consultant for six months, \$10 200; two twelve-month fellowships, \$8000.

*(c) Health Laboratory Services*

Viet-Nam 18

To assist in developing health laboratory services under the Ministry of Health. By 1967 it is expected that activities at the central level will be sufficiently well established and that enough health laboratory workers will have been trained to permit attention to be given to the development of regional health laboratory services and side-room clinical laboratories in the provincial hospitals. Through newly added serological services, basic support will also be given to the venereal disease project. *Provision*: a medical officer (health laboratory services), a medical officer (pathologist) and a serologist (all continued), \$43 089; a twelve-month fellowship, \$4000.

*(d) Public Health Demonstration Centre*

Viet-Nam 32

To assist with a public health demonstration area, which was organized to give field practice to the participants in a course held in 1965 for provincial medical officers. The scope of the orientation and training work in the area is to be expanded to include other public health disciplines, and it will also be used as a primary referral centre for the national health services. Assistance is planned to start in 1966 and to continue through 1969. *Provision*: a medical officer, a public health nurse/midwife and a sanitarian (all continued), \$34 396.

*(e) Fellowships*

Viet-Nam 200

A six-month fellowship to train a staff member of the Pasteur Institute in the production of Flury type vaccine and a twelve-month fellowship in medical care. *Provision*: \$8500.

**6. Social and Occupational Health***(a) Rehabilitation of the Physically Handicapped (EPTA-I)*

Viet-Nam 31

To assist the Government in a programme for the rehabilitation of physically handicapped children. Assistance will also be given to the school for physical therapists which the Government intends to establish in Saigon. WHO assistance is planned to start in 1966 and continue for five years. *Provision*: a medical officer and an occupational therapist (both continued), \$24 297; two twelve-month fellowships, \$10 000.

*(b) Fellowships*

Viet-Nam 200

A fellowship in industrial health. *Provision*: \$4100.

**7. Maternal and Child Health***(a) Maternal and Child Health Services (EPTA-I)*

Viet-Nam 3

To assist with the maternal and child health aspects of the rural health development programme. Emphasis is being placed on strengthening the training programme, particularly for rural midwives, and on the supervisory aspects. The third phase of the project, which began in 1959, is expected to continue through 1968. *Provision*: a medical officer and a nurse educator (both continued), \$30 196; three twelve-month fellowships, \$21 000.

*(b) School Health (EPTA-I)*

Viet-Nam 21

To assist in developing and strengthening school health services in Saigon, on the basis of recommendations made by a WHO consultant in 1963. This is a joint project with the health and education authorities. The project will gradually be extended until there are school health services in all the public elementary schools and until basic health and medical services are available for all school-children. The project started in 1965 and is expected to continue for six years. *Provision*: a medical officer (continued), and a school health nurse, \$27 117; three twelve-month fellowships, \$21 000.

**8. Mental Health***Advisory Services*

Viet-Nam 19

To assist in improving the psychiatric and nursing services in mental hospitals, in accordance with the recommendations of consultants in mental health and mental health nursing provided in 1962. The second phase of the project is expected to continue through 1968. *Provision*: a mental health nurse educator, \$12 583; a consultant for three months, \$5100; a twelve-month fellowship, \$4000.

**9. Nutrition***Advisory Services*

Viet-Nam 23

To assist in developing the nutrition services, advise on a programme, train national staff, and integrate nutrition education into community development schemes and school programmes. Assistance, which started in 1965, is expected to continue through 1968. *Provision*: a medical nutritionist, and a non-medical nutritionist (continued), \$27 722; a twelve-month fellowship, \$4000.

**10. Environmental Health***Advisory Services*

Viet-Nam 33

To advise the Department of Health on the organization and execution of sanitation work. The project is expected to start in 1966 and continue through 1968. *Provision*: a sanitary engineer (continued), \$14 611.

## WESTERN SAMOA

(See page 454)

## 1. Tuberculosis

*Tuberculosis Control*

Western Samoa 3

To assist with the tuberculosis control programme. In the first phase of this project, which lasted from June 1960 to December 1963 and which was assisted also by UNICEF, the main objectives were to expand and improve the chest clinic in Apia Hospital and make it the headquarters of the national tuberculosis control programme and the main service unit for the country and to carry out a case-finding programme and a programme of prevention. In the second phase, planned to begin at the end of 1965, all non-reactors to tuberculin will be vaccinated with BCG, tuberculin reactors will be X-rayed, and chemoprophylaxis will be given to children under five years of age. The progress made is to be assessed in 1967. *Provision:* a consultant, \$5100; supplies and equipment, \$300.

## 2. Parasitic Diseases

*Filariasis Control*

Western Samoa 7

To assist with a programme to detect and treat cases of filariasis and to control the spread of the disease by means of preventive drug treatment of the whole population and measures against the mosquito vector. WHO provided a consultant in 1965 and 1966. In 1967 a consultant will make periodic visits to evaluate the results and plan successive steps in the campaign. *Provision:* a consultant for three months, \$5100; supplies and equipment, \$3000.

## 3. Public Health Administration

(a) *Strengthening of Rural Health Services and Training of Health Personnel*

Western Samoa 12

To assist in reorganizing and strengthening the basic health services in the districts and in establishing in-service training and refresher courses for medical and paramedical personnel. *Provision:* a medical officer and a public health nurse/midwife, \$25 532; two six-month fellowships, \$4400.

(b) *Public Health Laboratory Services*

Western Samoa 13

To assist in developing public health laboratory services, integrated with other laboratory facilities, that will support epidemiological work, rural health services and sanitation projects, including water supplies and food control. *Provision:* a laboratory scientist, \$12 475; a twelve-month fellowship, \$3400.

## 4. Education and Training

*Fellowships*

Western Samoa 200

Nine fellowships to continue the long-term programme of training in medicine and public health—(i) a six-year fellowship for undergraduate medical training, (ii) two five-year fellowships for undergraduate medical training and two one-year fellowships for an assistant health inspectors' course, (iii) two three-year fellowships for nurses, (iv) a six-month post-graduate fellowship in ophthalmology, and (v) a six-month fellowship in mental health. *Provision:* \$47 500.

## INTER-COUNTRY PROGRAMMES

(See page 455)

## 1. Malaria

(a) *Malaria Eradication Training Centre, Manila*

WPRO 72

To provide training in the theory and techniques of malaria eradication for national and international staff from inside and outside the Region. The centre is operated and supported jointly by the Government of the Philippines, WHO, and the United States Agency for International Development. *Provision:* a co-ordinator of studies, an epidemiologist and a parasitologist (all continued), \$61 878; consultants, \$6800; temporary advisers, \$900; fellowships, \$10 800; supplies and equipment, \$1000.

(b) *Malaria Eradication Assessment Team*

WPRO 143

To make an independent appraisal of the status of malaria eradication or of any special aspects of the malaria programmes in the Region. It is proposed that in 1966 the team should assess the programmes in the Philippines and in Sabah, and in 1967 in Sarawak. *Provision:* consultants, \$10 200.

## 2. Tuberculosis

(a) *Tuberculosis Advisory Team*

WPRO 75

To assess periodically the effectiveness of the tuberculosis control programme of each country in the Region, consider which aspects need to be improved, and how the programme compares with those of other countries or territories. The team started work in July 1961 in the Philippines and has also given assistance to China (Taiwan), French Polynesia, the Republic of Korea, Malaysia, the Ryukyu Islands, Viet-Nam and Western Samoa. *Provision:* an epidemiologist, a bacteriologist, a statistician, an X-ray technologist and a public health nurse (all continued), \$78 004; supplies and equipment, \$500.

**(b) Tuberculosis Course**

WPRO 125

To provide training in tuberculosis control to key personnel responsible for the planning and execution of national control programmes in the Region. The course will be in English and will last six weeks. *Provision*: five fellowships, \$10 500; supplies and equipment, \$500.

**3. Bacterial Diseases***Communicable Diseases Advisory Team*

WPRO 137

To advise on and assist with epidemiological surveys and the strengthening of epidemiological and laboratory services in selected areas. *Provision*: an epidemiologist and a microbiologist, \$34 872; two consultants for four months, \$13 600; supplies and equipment, \$1500.

**4. Public Health Administration****(a) Advisory Services**

WPRO 79

To meet requests from countries of the Region for advisory services on specific problems, to assist with the preliminary planning of long-term projects or to review specific aspects of programmes in operation. *Provision*: \$5800.

**(b) Seminar on Health Planning in Urban Development (EPTA-I)**

WPRO 124

A two-week seminar on the role of health in urban planning, for city health officers from countries of the Region. The participation of the United Nations and some other agencies is envisaged. *Provision*: three consultants (in public health administration, environmental health, and occupational health), \$5950; attendance of seventeen participants, \$13 050; supplies and equipment, \$1000.

**5. Dental Health***Epidemiology of Dental Diseases*

WPRO 115

To continue the analysis of data gathered from national surveys and to make recommendations on the establishment or strengthening of national dental health services. *Provision*: a consultant for three months, \$5100.

**6. Nursing****(a) Advisory Services**

WPRO 102

To provide governments with consultant services for the follow-up and implementation of field studies on staffing patterns for nursing services. *Provision*: a consultant for three months, \$5100.

**(b) Public Health Nursing, South Pacific**

WPRO 138

To help countries and territories in the South Pacific to integrate teaching in public health into nurse training programmes; to develop post-basic courses in public health nursing; and to advise on the development of public health nursing services. The project is expected to continue through 1970. *Provision*: a senior public health nurse educator, \$16 245.

**7. Social and Occupational Health***Seminar on Occupational Health*

WPRO 140

To review the health problems connected with increasing industrialization, and the establishment or the expansion of specific occupational health services. The participants in this one-week seminar will be directors of occupational health services or health officers engaged in occupational health work. *Provision*: three short-term consultants, \$6800; attendance of twenty participants, \$10 000; supplies and equipment, \$1000.

**8. Maternal and Child Health****(a) Advisory Services, South Pacific (EPTA-I)**

WPRO 83

To follow up the survey carried out by the maternal and child health team in 1962 and 1963. The team, which will be stationed at a central place in the South Pacific area, will undertake assignments varying from four to six months in territories requesting assistance, with follow-up visits as required. *Provision*: a medical officer and a public health nurse/midwife (both continued), \$29 912; supplies and equipment, \$1000.

**(b) Seminars on Paediatric Education**

WPRO 139

To conduct, in selected countries, one-week seminars on the teaching of paediatrics, with a view to strengthening the incorporation of preventive and social aspects. The participants will be teachers of paediatrics and administrators of child health programmes. *Provision*: three consultants, each for three months, \$15 300; attendance of participants, \$11 400; supplies and equipment, \$450.

**9. Environmental Health***Advisory Services, South Pacific (EPTA-I)*

WPRO 135

To assist governments in the South Pacific area in improving their environmental sanitation services, with particular reference to rural community water supplies and school sanitation. The team will be based on Suva. Assistance, which started in 1965, is expected to be required through 1971. *Provision*: two sanitary engineers (one continued), \$33 752; supplies and equipment, \$1000.

**10. Education and Training***(a) Schools of Public Health*

WPRO 109

To enable three professors or deans of teaching institutions that receive fellows from countries in the Region to obtain information on the general background of the fellows' training and an insight into the public health problems of their countries, so that courses may be better adapted to requirements. *Provision*: three six-month fellowships, \$10 000.

*(b) Participation in Educational Meetings*

WPRO 114

To enable candidates selected by governments to attend meetings of a specifically educational character. *Provision*: \$9400.

*(c) Fellowships*

WPRO 200

As part of the Region's long-term programme for training in medicine and public health, (i) to increase the number of assistant medical and dental officers, health educators and other health workers in the South Pacific island territories by giving fellowships for study at the Fiji School of Medicine or at other suitable institutions; and (ii) to award two twelve-month fellowships for studies leading to the Diploma of Public Health in the Universities of Singapore, Otago or Sydney, or to the Certificate of Public Health in the University of the Philippines. *Provision*: \$23 000.

**11. Other Activities***(a) Medical Literature and Teaching Equipment*

WPRO 64

To furnish literature, equipment or supplies to Member governments for demonstration and training projects, pilot studies, and similar activities. *Provision*: \$2000.

*(b) Advisory Services in International Quarantine*

WPRO 123

To advise on and assist with the improvement of quarantine services by arranging seminars, training and demonstrations for quarantine personnel of the Region. *Provision*: three consultants (a health officer in international quarantine, a health inspector and a sanitarian), \$18 700; attendance of participants, \$7110; supplies and equipment, \$1500; duty travel, \$890.

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## INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES

### INTER-REGIONAL ACTIVITIES

(See page 459)

#### 1. Malaria

##### (a) *Advisory Services*

Inter-regional 70

Technical advisers who can be assigned at short notice to assist governments in planning and implementing eradication programmes, advise on particular problems, or replace WHO advisers who are away sick or on leave. *Provision:* three advisers (continued), \$57 768.

##### (b) *Meeting of Regional Malaria Advisers*

Inter-regional 71

An annual meeting to ensure a co-ordinated technical approach to eradication planning and methods. *Provision:* \$7500.

##### (c) *Technical Consultants*

Inter-regional 78

To advise governments on the development of eradication programmes and help in their assessment and evaluation. *Provision:* twenty consultant months, \$34 000.

##### (d) *Training Programme for International Recruits*

Inter-regional 79

For candidates of different categories who are to be assigned as WHO country advisers. There is still a shortage of candidates with enough training and experience in malaria eradication to permit of their direct recruitment for advisory positions. *Provision:* \$200 000.

##### (e) *Study Tours of Eradication Projects for Advisers*

Inter-regional 81

To study the organization and functioning of malaria eradication projects. Visits to projects have been of great value in training team leaders and other advisers on eradication; and are proposed in 1967 for ten malaria advisers. *Provision:* \$20 000.

##### (f) *Team for Field Research on Special Epidemiological Problems*

Inter-regional 112

To undertake studies on the causative factors of persistent transmission and carry out field research for the development and demonstration of new techniques designed to interrupt such refractory transmission. *Provision:* an epidemiologist, a medical officer or entomologist (both continued), an entomologist and a technician, \$61 947; supplies and equipment, \$10 000; local costs, \$5000.

##### (g) *Field Trials of New Insecticides and Antimalarial Drugs*

Inter-regional 212

A team to carry out field trials of new insecticides and drugs that are of potential use in malaria eradication. *Provision:* a malariologist, an entomologist, a sanitarian and a laboratory technician (all continued), \$60 664; supplies and equipment, \$27 000; local costs, \$12 000.

##### (h) *North African and Eastern Mediterranean Malaria Conference*

Inter-regional 227

To review and discuss progress in malaria eradication and exchange information and experience on related technical, operational, and administrative matters, in particular programme co-ordination between countries. *Provision:* \$39 000.

#### 2. Tuberculosis

##### *Courses on the Epidemiology and Control of Tuberculosis (Regular and EPTA-I)*

Inter-regional 113

Assistance to the courses on the epidemiology and control of tuberculosis organized by the Carlo Forlanini Institute in Rome (French language), and the Post-graduate Medical School in Prague (English language); and to the course at the Danish Tuberculosis Index, which gives an additional month's training in the methodology of maintaining central and peripheral case-registers and the techniques of epidemiological assessment to fellows who have completed the Prague course. *Provision:* under the regular budget—consultants, \$6800; travel, \$2200; supplies, \$1000; under the Expanded Programme of Technical Assistance—fellowships, \$52 000.

### 3. Venereal Diseases and Treponematoses

#### *Treponematoses Epidemiological Team*

Inter-regional 51

To assist health administrations in the long-term evaluation of yaws and syphilis prevalence and the results of campaigns; to undertake epidemiological-serological surveys to determine low-level transmission of yaws and the risk of invasion by syphilis of previous yaws areas; to establish immunological profiles by multi-purpose random studies in joint projects covering other communicable diseases (e.g. malaria, virus diseases) and genetic haemato-immunology; and to undertake epidemiological research and develop methodology in co-operation with WHO reference centres and serum banks. *Provision:* a medical officer, a laboratory technician, a nurse/administrator (all continued), \$66 731; two consultant months, \$3400; supplies and equipment, \$10 000.

### 4. Bacterial Diseases

#### (a) *Cholera Control Team (EPTA-I)*

Inter-regional 276

To work on epidemiological studies and the application of measures for the control of cholera, and on the promotion of national programmes for the study and control of this disease. *Provision:* an epidemiologist, a microbiologist and a clinician (all continued), \$59 400; supplies and equipment, \$5000.

#### (b) *Training in Cholera Control (EPTA-I)*

Inter-regional 228

A month's course for epidemiologists, bacteriologists and clinicians engaged in the control and management of cholera; it will cover various aspects of diagnosis, treatment and control. *Provision:* consultants, \$6800; attendance of participants, \$8000; supplies and equipment, \$1200.

### 5. Parasitic Diseases

#### (a) *Bilharziasis Research Team*

Inter-regional 52

To advise on the development and demonstration of methods and techniques related to the epidemiology and control of bilharziasis, with emphasis on co-ordination of field research, in order to assist in the practical application of knowledge gained in laboratory research by workers who collaborate with WHO. *Provision:* an epidemiologist, a laboratory technician, and a biologist (all continued), \$69 707; supplies and equipment, \$3000.

#### (b) *Trypanosomiasis Study Team*

Inter-regional 300

To survey areas where trypanosomiasis is endemic, propose co-ordinated measures to keep the disease under control, and collaborate in exchanging epidemiological information and stimulating modern techniques and methods for the control of sleeping-sickness, in order to obtain a clear picture both of the present endemic foci potentially dangerous for a flare-up of the disease (human and animal) and of the distribution and changes in advance of the fly belts. *Provision:* an epidemiologist (continued), \$25 286; consultants, \$10 200.

#### (c) *Conference on the Influence of Economic Development on Parasitic Diseases (EPTA-I)*

Inter-regional 328

To discuss the influence of economic development on the prevalence of parasitic diseases. The urgent need for economic improvement by developing countries necessitates the establishment of hydro-electric schemes, more irrigation, and rapid urbanization. These trends have diverse effects on the health situation in general, but more particularly on the increase of parasitic diseases such as urban filariasis, bilharziasis, onchocerciasis, and trypanosomiasis, as well as intestinal helminths and enteric infections. *Provision:* consultants, \$5100; attendance of thirty participants, \$30 000; supplies and equipment, \$1000; supporting services, \$3900.

#### (d) *Training in Methods and Techniques for Parasitic Disease Surveys*

Inter-regional 388

A two-month course, at a university centre in Africa, for twenty-five participants (medical officers in charge of parasitic disease control in their countries and other responsible officers). One of the main reasons for the lack of reliable epidemiological information on the parasitic diseases, prevalent in all developing countries, is that the adaptation of modern epidemiological survey techniques to local conditions has not been sufficiently developed. *Provision:* consultants, \$10 200; attendance of participants, \$15 000; supporting services, \$800; supplies and equipment, \$2000.

#### (e) *Seminar on Leishmaniasis (EPTA-I)*

Inter-regional 389

A two-week seminar, for twenty participants, to be held in the USSR, where a considerable amount of experience has been gained in controlling leishmaniasis. There is evidence that cutaneous leishmaniasis is increasing in some parts of the world and in some instances it would appear that the increase occurs after the movement of large population groups into cultivated areas. *Provision:* consultants, \$3400; attendance of participants, \$20 000; supporting services, \$6600.

### 6. Virus Diseases

#### *Trachoma Research*

Inter-regional 231

To assist national laboratories in carrying out research on specific aspects of the trachoma problem that are of international interest and practical importance, e.g. the development of improved laboratory diagnostic procedures and of methods for differential screening of therapeutic agents. *Provision:* a virologist (continued), \$17 675; supplies and equipment, \$3500.

## 7. Leprosy

### (a) *Leprosy Epidemiological Team*

Inter-regional 54

To carry out field research on epidemiology, assessment of therapeutic results, frequency and classification of disabilities, and clinical patterns of leprosy, in addition to certain bacteriological studies; to assist in organizing demonstration areas for epidemiological research; and to study operational methods for leprosy control. *Provision:* a leprologist, a statistician and a laboratory technician (all continued), \$62 266; supplies and equipment, \$3000.

### (b) *Leprosy/BCG Trial Team*

Inter-regional 190

To carry out a trial of BCG in the prevention of leprosy and study the nature, extent and epidemiological aspects of leprosy in the area. *Provision:* a leprologist, a statistician and a laboratory technician (all continued), \$52 173; a consultant, \$3400; supplies and equipment, \$2000.

## 8. Veterinary Public Health

### *Seminar on Brucellosis*

Inter-regional 390

To discuss recent advances in the bacteriology, epidemiology, field control and therapy of brucellosis in man and animals. Practical training will be provided in laboratory isolation techniques for the typing of *Brucella* serodiagnostic tests, and in the production and standardization of biological products used in brucellosis control. The advances in field control and laboratory techniques recommended by the Joint FAO/WHO Expert Committee on Brucellosis in its fourth report<sup>1</sup> will form the basis of the seminar, which will bring together twenty to twenty-five participants from the Mediterranean countries, South-East Asia, Africa and Latin America. *Provision:* consultants, \$3400; attendance of participants, \$15 000; supplies and equipment, \$2500; supporting services, \$5900.

## 9. Public Health Administration

### (a) *Integrated Public Health (EPTA-I)*

Inter-regional 156

A service of experts to help governments in strengthening and integrating their health services, covering a wide variety of public health activities, including public health administration, maternal and child health, nutrition, epidemiology, statistics, health laboratory services, etc. They are available, individually or as a team, for any requesting country, and also provide a complementary service for field projects. *Provision:* thirteen experts (all continued), \$175 000.

### (b) *Seminar for Directors of Laboratory Services*

Inter-regional 391

To discuss various organizational and functional aspects of a laboratory service—a four-week seminar for fifteen directors of national laboratory services, who require administrative and technical knowledge for which no post-graduate training exists. *Provision:* consultants, \$5100; attendance of participants, \$15 000; temporary staff, \$2000.

## 10. Dental Health

### *Seminar on Training and Utilization of Dental Personnel in Developing Countries*

Inter-regional 392

To review the progress made in implementing the recommendations of various expert committees on the education and training of members of dental health teams and their utilization in developing countries. The participants in this one-week seminar will be teachers of dentistry and dental public health administrators. *Provision:* consultants, \$3400; attendance of participants, \$14 600; supporting services, \$2000.

## 11. Nursing

### *Training Programme*

Inter-regional 110

To meet the demand for French-speaking nurses for basic and post-basic education in nursing, midwifery, and in public health. *Provision:* \$50 000.

## 12. Social and Occupational Health

### (a) *Training in Ergonomics*

Inter-regional 332

A two-month course for physicians and engineers in industry, on the adjustment of work and the working environment to man, taking into account anatomical, physiological and psychological considerations. *Provision:* consultants, \$6800; attendance of participants, \$11 800; supplies and equipment, \$5000.

<sup>1</sup> *Wld Hlth Org. techn. Rep. Ser.*, 1964, 289.

- (b) *Seminar on Adaptation to Extreme Climatic Conditions* Inter-regional 393  
 To compare findings from laboratory and field studies on adaptation and acclimatization to extreme climatic conditions. *Provision*: consultants, \$1700; attendance of participants, \$8000; supporting services, \$300.

### 13. Chronic and Degenerative Diseases

- (a) *Cancer Advisory Team, Asia* Inter-regional 218  
 To continue an epidemiological study of oropharyngeal cancer in Asia to determine whether there is an association between this type of cancer and habits of chewing and smoking. *Provision*: an epidemiologist, a statistician, and two locally recruited interviewers (all continued), \$48 706; supplies and equipment, \$1000.
- (b) *Cancer Advisory Team, Africa* Inter-regional 242  
 To carry out epidemiological studies in specific areas of Africa where lymphomas of childhood and other important tumours are known to be prevalent. *Provision*: an epidemiologist, a pathologist and two locally recruited interviewers (all continued), \$53 702; supplies and equipment, \$1000.

### 14. Mental Health

- (a) *Seminar on Psychiatric Diagnosis, Classification and Statistics* Inter-regional 273  
 To continue the long-term programme on these subjects which in 1965 concentrated on schizophrenia and in 1966 on the group of disorders included under the category "psychogenic reaction". In 1967 attention will focus on the psychiatric disorders encountered in childhood. *Provision*: consultants, \$1700; attendance of participants, \$22 000; supplies and equipment, \$1300.
- (b) *Advisory Team on the Epidemiology of Mental Disorders* Inter-regional 308  
 To assist research projects on the epidemiology of mental disorders in various countries. *Provision*: a psychiatrist specialized in epidemiology and a social scientist (both continued), \$30 226; supplies and equipment, \$400.

### 15. Radiation and Isotopes

- (a) *Training of Radiographers in Radiation Protection* Inter-regional 246  
 A small travelling group of experts to visit a number of WHO-assisted and other radiographer-training centres, presenting at each one a specially designed intensive course of lectures, demonstrations and exercises in practical radiation protection procedures in medical radiography. *Provision*: consultants/lecturers, \$6000; attendance of participants, \$5500; supporting services, \$1500.
- (b) *Seminars on Radiological Health* Inter-regional 394  
 A small travelling team of experts to give lectures and practical demonstrations, and lead discussions, on practical methods of effectively raising the standards of radiological procedures and services while at the same time reducing unnecessary radiation doses received in medical radiology by patients and hospital personnel. The participants will be radiologists and hospital staff at selected centres not included in the 1962 and 1964 seminars. *Provision*: consultants/lecturers, \$6000; attendance of participants, \$10 500; supporting services, \$1500.

### 16. Environmental Health

- (a) *Travelling Seminar on Aquatic Biology and Public Health (EPTA-I)* Inter-regional 345  
 To enable some fifteen to twenty participants, responsible for the biological aspects of environmental health activities or for conducting relevant research, to spend three weeks in the USSR. They will visit major hydrobiological institutions, and study practical methods of applying ecological knowledge to the monitoring and control of various environmental health problems. *Provision*: a consultant, \$3400; attendance of participants, \$22 500; supporting services, \$5100.
- (b) *Seminar on Integration of Community Water Supplies into Planning of Economic Development* Inter-regional 395  
 To review the problems of integrating community water supplies into economic planning, especially in developing countries, and to promote a wider recognition of the influence of community water supplies on general economic development. The ten-day seminar, which will follow a symposium on developmental work in community water supply to be held in 1966, will be attended by fifteen to twenty persons who have been engaged on various aspects of water supply or economic planning. *Provision*: consultants and lecturers, \$5100; attendance of participants, \$19 000; supporting services, \$3800; supplies, \$2000.
- (c) *Travelling Seminar on Environmental Sanitation (EPTA-I)* Inter-regional 396  
 To enable health and sanitation officials from French-speaking countries to study the planning and organization of environmental sanitation programmes in the USSR. The first seminar on this subject was held in September 1964, in Russian and English. *Provision*: consultants, \$3400; attendance of participants, \$25 000; supporting services, \$8600.

(d) *Seminar on Water Pollution Control*

Inter-regional 407

To review special problems in the prevention and control of water pollution; and to assist areas undergoing rapid development by providing up-to-date technical information and facilitating the exchange of experience on methods for the evaluation and control of pollution in rivers, lakes, canals and coastal waters. *Provision:* temporary advisers and consultants, \$4100; attendance of twenty-five participants, \$15 000; servicing staff and supplies, \$2600.

*Vector Control:*

(e) *Insecticide Testing Unit, Lagos*

Inter-regional 270

To carry out village-scale field trials of new insecticides of potential value in malaria eradication and other vector control programmes. *Provision:* two entomologists, a chemist and a laboratory technician (all continued), \$50 107; consultants, \$10 200; supplies, equipment and operational costs, \$10 000.

(f) *Filariasis Research Unit, Rangoon*

Inter-regional 271

To carry out research and field trials on the control of mosquitos, particularly the vectors of filariasis, using organophosphorus and other new insecticides, biological control procedures, and other techniques not at present employed. *Provision:* two entomologists and an entomologist/ecologist (all continued), \$47 979; consultants, \$6800; supplies, equipment and operational costs, \$10 000.

## 17. Other Activities

(a) *Staff Training*

Inter-regional 225

It has been recognized by the Executive Board and the Health Assembly that, in an Organization such as WHO, maintenance of the necessary standards of professional competence requires that staff be released from their operational duties from time to time in order to receive further advanced scientific training, preferably in an academic institution. Staff Rules 420 and 650.1 are relevant. The latter provides that "special leave, with full or partial pay, or without pay, may be granted for advanced study or research in the interest of the Organization". A sum of \$95 000 has therefore been included in the budget estimates to provide for participation by the Organization in the costs of such training (payment of tuition, a maintenance stipend in the form of continued payment of part of the staff member's salary during his leave, and travel costs).

(b) *Training in Immunofluorescent Techniques*

Inter-regional 252

A two-week course for twenty participants, which will cover the basic aspects of fluorescent antibody techniques, fluorescent antibody staining procedures and interpretation, and fluorescent antibody testing, especially in virology, bacteriology, parasitology and mycology. In 1965 a similar course was held in English; the 1967 course will be in French. *Provision:* consultants, \$6800; attendance of participants, \$20 000; supplies and equipment, \$1500; other costs, \$1500.

(c) *Meeting on Genetic Studies of Primitive Groups*

Inter-regional 397

To review the interdisciplinary studies that were started following the recommendations of the Scientific Group on Research in Population Genetics of Primitive Groups (1962);<sup>1</sup> and to discuss questions connected with similar studies for the International Biological Programme. The participants will be geneticists, anthropologists and related specialists. *Provision:* consultants, \$1700; attendance of participants, \$12 000; supporting services, \$1300.

(d) *Training in Biological Standardization*

Inter-regional 398

To enable courses in the use and application of biological standards and requirements for biological substances to be organized at suitable collaborating laboratories. *Provision:* consultants, \$1700; attendance of participants, \$9000; supplies and equipment, \$4300.

<sup>1</sup> *Wld Hlth Org. techn. Rep. Ser.*, 1964, 279.

## ASSISTANCE TO RESEARCH AND OTHER TECHNICAL SERVICES

Assistance will be given to the following research, supporting services to research (including international and regional reference centres), and other technical services:

**1. Malaria**

(See page 464)

*(a) Research on:*

ME 62 *Methodology of attack.* Study of the effectiveness of supplementary or alternative methods of attack in areas where residual insecticides have not been effective against malaria vectors.

ME 65 *Parasitology of malaria.* Studies on the parasites of human, animal, and avian malaria, including their cytological, genetic, immunological and biochemical characteristics. Investigations on the infectivity of parasites to vertebrate hosts and to insect vectors, their longevity in man, and species relationships and distribution in various epidemiological conditions. Development of practical methods for improved detection of malaria parasites.

ME 66 *Epidemiology of malaria.* Studies on epidemiology as related to malaria eradication, with special emphasis on problem areas. Investigation of patterns of persisting transmission, their mechanism and trends, and of remedial measures. Assessment of the efficacy of evaluation procedures in relation to the ecological conditions of the area, both human and vectorial. Studies on the significance of transfusion malaria.

ME 67 *Chemotherapy of malaria.* Development of new antimalarial drugs or drug preparations with more rapid and prolonged action. Assessment of the response of plasmodia to new drugs in laboratory conditions and in the field. Studies on the presence, degree and mechanism of drug resistance in malaria parasites and on the appropriate counter-measures. Investigations of technical and operational problems in the use of antimalarial drugs in the field.

ME 68 *Immunology of malaria.* Studies on techniques for the quantitative measurement of immune responses to experimental malaria infections. Studies on the relationship of haemoglobin types and thalassaemia to susceptibility to malaria infection.

ME 69 *Entomology of malaria.* Development of new, and improvement of existing, entomological procedures for assessing the degree of transmission of malaria in the field. Study of the normal and abnormal behaviour of *Anopheles* vectors, their feeding preferences, physiology and biochemistry, and susceptibility to insecticidal attack. Investigation of the type, spectrum, and degree of resistance of the vector to insecticides, and of the inheritance patterns of resistance in the laboratory and its dynamics in the field. Development of practical methods for prevention of resistance and for reversal to susceptibility.

*(b) Exchange of Malaria Workers*

ME 70 Twenty exchange visits, of approximately two months each, to enable professional malaria workers to study eradication methods in other countries. Such visits are of benefit both to the workers concerned and to the countries visited.

**2. Tuberculosis**

(See page 464)

*(a) International and Regional Reference Centres*

TB 18 *Tuberculosis reference laboratories.* The centres (there is at present one in Prague) meet requests for classification of mycobacteria (in particular, to determine the trends of drug resistance in different countries); train bacteriologists; and carry out research on the standardization and simplification of bacteriological techniques.

*(b) Other Services to Research*

TB 16 *Laboratory control of BCG strains and BCG vaccines.* Maintenance of reference facilities (viability, immunizing properties, heat stability, etc.) for *ad hoc* checking of national BCG vaccines on the request of governments, and for routine checking of BCG vaccines supplied for internationally assisted tuberculosis programmes.

TB 17 *Field control of BCG vaccines.* Maintenance of reference facilities, as described under TB 16 above, for checking allergenic potency in man.

*(c) Research on:*

TB 1 *Intermittent chemotherapy* (British Medical Research Council). Studies on the efficacy of different types and frequencies of intermittent chemotherapy under direct supervision, being carried out at the Tuberculosis Chemotherapy Centre, Madras (see project India 53).

**TB 5** *Tuberculosis epidemiology* (Indian Council of Medical Research, Madanapalle research unit). Longitudinal investigations in tuberculosis epidemiology, to measure the long-term impact on the community of different combinations and densities of control measures; they include laboratory investigations of non-classified mycobacteria.

**TB 6** *Epidemiological basis for eradication* (Danish Tuberculosis Index). Establishment of an epidemiological basis for operational eradication studies, with a view to determining the channels of infection between infectors and infected in a country with a transmission close to zero.

**TB 7** *Eradication and surveillance methodology*. Research on the possibility of eliminating tuberculosis in countries with a relatively low prevalence, with a view to establishing the administrative, operational and financial implications of eradication in optimal situations.

**TB 19** *Specificity of the intradermal tuberculin test*. Investigations to find stabilizers for tuberculin dilutions that have a less profound effect than Tween 80 on the physical characteristics of the induration, to verify that gelatine has no *in vivo* effect on the tuberculin reaction, and to determine its optimum concentration in tuberculin dilutions.

**TB 20** *Antigenic structure of mycobacteria*. Studies to clarify the fundamental immunogenic mechanisms in tuberculosis; and to isolate fractions of mycobacteria with a higher immunogenic potency than BCG and, if possible, without BCG's allergizing effect.

**TB 21** *Mycobacterial drug resistance*. Epidemiological studies to determine the national trends of primary and acquired mycobacterial drug resistance, and to evaluate the therapeutic efficacy of second-line drugs. These studies are concerned partly with defining the existing problem by prevalence surveys of primary and acquired resistance, and partly with predicting the future problem by determining the incidence of new infections caused by resistant bacilli.

**TB 22** *Diagnostic serological tests*. Research to develop a simple serological test for cases of active tuberculosis responsive to drug treatment; and to obtain a better understanding of tuberculosis immunology.

**TB 23** *Unclassified mycobacteria*. Studies to determine the infectivity, pathogenicity and immunogenicity of unclassified mycobacteria, with particular reference to those causing the high prevalence of non-specific tuberculin sensitivity in the tropics and sub-tropics.

**TB 25** *Tuberculosis prevention*. Investigations to establish the degree of protection afforded by different strains and doses of BCG in areas with low and high levels of non-specific tuberculin sensitivity, and the integration of these investigations with animal and bacteriological studies so as to arrive at methods by which the protective value in humans of immunogenic agents in tuberculosis can be reasonably predicted from laboratory results.

### 3. Venereal Diseases and Treponematoses

(See page 464)

#### (a) International Reference Centres

**VDT 1** *International Treponematoses Laboratory Centre* (Baltimore). The centre undertakes studies of treponeme characteristics and cultivation studies, and investigates fundamental aspects of the biology of the organism.

**VDT 2** *Serological reference centres for treponematoses* (Atlanta and Copenhagen). The centres are responsible for the development or renewal of international reference preparations and sera in lipoidal (cardiolipin, lecithin) and treponemal serological testing (FTA, TPI); checking of antigens and sera for national laboratories and WHO-assisted projects; and epidemiological research.

#### (b) Other Services to Research

**VDT 9** *Strain collection and antisera bank*. Collection and supply of strains for cultivation attempts and for immunochemistry studies, and other services to research.

#### (c) Research on:

**VDT 4** *Survival of non-pathogenic and pathogenic treponemes*. Basic studies of nutritional, metabolic and other survival and growth requirements in the development of media for treponeme cultivation.

**VDT 5** *Cultivation of treponemes in transplants to experimental animals*. Investigations of tissue factors in experimental animals, which may be of use in developing media for the cultivation of treponemes *in vitro*.

**VDT 6** *Cultivation of treponemes by commensal cells*. Investigations using new experimental techniques with commensal cells and tissues to condition experimental media for the survival and growth of treponemes *in vitro*.

**VDT 7** *Electron microscopy of treponemes*. Morphological and related investigations of surface and somatic elements in treponemes, and of their structural and antigenic characteristics in relation to pathogenicity.

**VDT 8** *Enzyme systems*. Investigations into the role of enzyme systems in the survival and multiplication of treponemes, including lysozyme and its effect on the antigen/antibody system.

**VDT 10** *Immunochemistry of treponemes*. Research into the immunogenic patterns of treponemal and other antigens. Definition of protective and other antibodies and of the role of nucleic proteins in treponemes.

**VDT 11** *Epidemiological serology of treponematoses*. Investigation of the use of liquid nitrogen, and other methods of transporting serum, in relation to antibody decay. Studies of true and false seroreactors to lipoidal and treponemal antigen testing. Studies of serological patterns in irkintja, endemic syphilis and yaws.

VDT 12 *Specific treponemal microtests.* Studies on the adaptation of blotting-paper rondelles for field use in immunofluorescent and TPI testing of blood-drop eluents.

VDT 14 *Immunology of Neisseria infections.* Biochemical and immunological research into *Neisseria*; studies of serological diagnostic methods; standardization of methods of sensitivity determination of *N. gonorrhoeae* to antibiotics; and sampling of circulating gonococcal strains.

VDT 16 *Attenuation of pathogenic treponemes and experimental vaccines.* Fundamental studies of immunogenic characteristics of attenuated strains and correlation of protection with serological response.

#### 4. Bacterial Diseases

(See page 465)

##### (a) International Reference Centres

BD 1 *Salmonella* (Paris). The centre identifies *Salmonella*, supplies strains and specific antisera to national centres, collects and exchanges information on the sources, origins and spread of the organisms of particular importance, and assists in the collection of information on the global spread of salmonellosis.

BD 2 and BD 3 *Shigella* (Atlanta and London). The two centres identify strains of *Shigella*, supply specific antisera, promote uniformity of classification, co-ordinate research, and collect and exchange epidemiological information.

BD 4 *Enteric phage-typing* (London). The centre maintains strains of *Salmonella typhi* and *S. paratyphi* B, standardizes typing phages, supplies phage-typing reagents to laboratories, identifies new phage types that have been discovered, and collects and exchanges epidemiological data of importance in the study and control of these infections.

BD 5 *Staphylococcal phage-typing* (London). The centre identifies and phage-types staphylococci, standardizes typing phages, supplies phage-typing reagents to laboratories, and collects and exchanges epidemiological data on staphylococcal infections.

BD 7 *Vibrio phage-typing* (Calcutta). The centre identifies and phage-types *Vibrio cholerae*, in order to facilitate further laboratory and field studies of cholera; and assists laboratories in other countries with the typing of vibrios.

BD 13 *Streptococcus-typing* (Prague). The centre carries out typing and identification of streptococcus; produces, maintains and distributes type strains and sera; and assists national laboratories in studies of the streptococcal infections.

BD 14 *Escherichia* (Copenhagen). The centre identifies *Escherichia*, supplies strains and specific antisera to national centres, and collects and exchanges information on the sources, origins and spread of organisms of particular importance.

BD 15 *Meningococci* (Marseilles). The centre identifies strains of *Neisseria meningitidis*, supplies strains and specific antisera to national centres, promotes uniformity of classification, and exchanges epidemiological information.

##### (b) Research on:

BD 6 *Vaccines.* Field and laboratory studies to interpret laboratory tests on (i) enteric, staphylococcal, pertussis and other bacterial vaccines, and (ii) diphtheria, tetanus and other toxoids, in terms of the protection conferred on man.

BD 10 *Cerebrospinal meningitis.* Epidemiological field studies in Africa on the spread and control of cerebrospinal meningitis in endemic areas; and laboratory studies of *N. meningitidis* isolated in those areas.

BD 11 *Cholera.* Field studies and laboratory studies of carriers; field study of cholera vaccines; laboratory studies of cholera vaccines; study of experimental cholera in animals; study of the pathogenesis and pathophysiology of cholera; and genetic studies of vibrios.

BD 12 *Enteric infections.* Studies on the etiology, epidemiology and control of shigellosis and salmonellosis, and their treatment. These studies are intended to develop more effective control methods for enteric infections in order to combat the high infant mortality caused by these infections in developing countries.

#### 5. Parasitic Diseases

(See page 465)

##### (a) International Reference Centres

PD 3 *Snail identification* (Copenhagen). The centre identifies and classifies snail intermediate hosts of bilharziasis; prepares snail identification keys to be used by field staff working on bilharziasis control; and studies the bionomics and genetics of snails.

PD 16 *Leishmaniasis* (Jerusalem). The centre collects and maintains strains of species of *Leishmania* for comparative studies; distributes such strains to scientific workers in other institutions on request; studies ways and conditions for keeping *Leishmania* strains in order to maintain the original characteristics of a strain, chiefly its virulence; and continues studies on sero-immunology to facilitate identification of *Leishmania* species and standardization of methods and techniques.

PD 17 *Trypanosomiasis* (Tororo, Uganda). The centre collects and maintains strains of species of trypanosomes for research purposes; distributes such strains as are available to scientific workers on request; carries out research on the effect of aging on the stability of the biological characteristics, especially virulence, of trypanosome strains stored by the deep-freeze and other methods; and carries out chemotherapeutic trials.



(b) *Research on:*

PD 1 *Bilharziasis*. Studies on schistosome metabolism and the nutritional requirements of mature and immature worms. Experimental infection of primates and lower animals by different species of parasite, and observation of the pathological manifestations obtained.

PD 2 *Chemotherapy of helminthiases*. Study of the pharmacological characteristics of drugs that have shown promising results in the experimental phase, and in which the minimum requirements of non-toxicity and efficacy have been established; and their use in clinical trials in selected patients in hospital institutions.

PD 4 *Field testing of molluscicides*. Standardization of techniques for field evaluation of promising chemical compounds under various ecological conditions; and study of the mechanism and molluscicidal effect of certain chemical compounds on various intermediate hosts.

PD 5 *Immunology of parasitic diseases*. Biochemical studies of parasite antigens, with a view to preparing more sensitive and specific serological material; continued research on the preparation of reference antigens for testing in endemic areas; and facilitation of evaluation of the serological methods employed by diagnostic laboratories in various parts of the world.

PD 6 *Parasitology*. Development of methods of diagnosis for intestinal protozoal parasites; and epidemiological studies of helminths.

PD 8 *Onchocerciasis*. Study of the mechanism of the pathological manifestations (including eye lesions) of onchocerciasis. Research into the susceptibility of lower animals to infection by *Onchocerca*. Investigations on the biology and ecology of the different species of vectors.

PD 9 *Filariasis*. Studies to promote techniques and methods related to the epidemiology and control of filariasis. Research on the identification of vectors of human infection by *Wuchereria* and *Brugia*. Bionomic studies of vectors of animal and human filariasis.

PD 11 *Trypanosomiasis*. Studies on the epidemiology and immunology of trypanosomiasis and on the ecology of *Glossina* vectors of sleeping sickness. Studies on the role of animal reservoirs in the epidemiology of sleeping sickness for both *Trypanosoma gambiense* and *T. rhodesiense*.

PD 12 *Mycoses*. Collection of pathogenic fungi; standardization of antigens for serological tests; and establishing of standard techniques to measure the susceptibility of fungus to antibiotics.

PD 14 *Epidemiology of bilharziasis*. Extension of studies undertaken in collaboration with the London School of Hygiene and Tropical Medicine to assess the medical and public health importance of bilharziasis in areas of Africa with varying degrees of endemicity.

PD 15 *Leishmaniasis*. Study of the epidemiology of leishmaniasis, with special reference to the role of domestic and wild animals as reservoirs of leishmaniasis. Development of techniques for breeding *Phlebotomus* species in the laboratory. Collection of American *Leishmania* strains.

## 6. Virus Diseases

(See page 466)

(a) *International and Regional Reference Centres*

VIR 1 *Influenza*. The World Influenza Centre (London) receives strains of influenza virus isolated by WHO national influenza centres in all parts of the world, examines and compares them to detect changes of potential public health significance, distributes strains to vaccine manufacturers and co-operating laboratories, and advises WHO on the co-ordination of the influenza programme.

VIR 2 The International Influenza Centre for the Americas (Atlanta) works in close liaison with the World Influenza Centre, doing for the Americas what the World Centre does for the rest of the world.

VIR 6 *Respiratory virus diseases other than influenza* (International centres — Salisbury and Bethesda; regional centres — Atlanta, Johannesburg, Moscow, Prague and Tokyo). These centres identify strains of respiratory viruses, supply prototype strains and prepare limited quantities of specific sera for reference purposes and for checking the specificity of reagents produced elsewhere on behalf of WHO.

VIR 10 *Arthropod-borne viruses* (International centre — New Haven, Connecticut; regional centres — Atlanta, Bratislava, Canberra, Dakar, Entebbe, Moscow, Paris, and Tokyo). These centres identify and study strains of arthropod-borne viruses in their respective areas, prepare limited quantities of specific sera for reference purposes, collect and distribute epidemiological information, collect prototype virus strains, and train personnel.

VIR 11 *Enteroviruses* (International centre — Houston; regional centres — Copenhagen, Johannesburg, Lyons, Moscow, Singapore and Tokyo). The centres identify strains of enteroviruses, prepare limited quantities of specific sera for reference purposes, collect and distribute epidemiological information, collect prototype virus strains, and train personnel.

VIR 16 *Trachoma* (International centre — San Francisco). The centre collects trachoma agents isolated in national laboratories, examines their characteristics, and maintains prototypes for reference purposes; prepares limited quantities of reference sera and, when required, provides assistance in the laboratory diagnosis of trachoma and related infections; and assists in the training of research workers.

VIR 17 *Human rickettsiosis* (Regional centre — Hamilton, Montana). The centre identifies strains of *Rickettsia*, supplies prototype strains, prepares limited quantities of specific sera for reference purposes, collects and distributes epidemiological information, and trains rickettsiologists.

VIR 20 *Pox viruses* (centre not yet designated). The centre will study the different strains of pox viruses that are of importance in human disease, collect prototype virus strains, prepare limited amounts of specific sera, and train virologists.

(b) *Other Services to Research*

VIR 3 *Supply of reagents for diagnosis of rickettsial and virus diseases (including influenza)*. Preparing and purchasing of standard reagents, antigens and sera, and their distribution to laboratories co-operating with WHO in virus research, particularly on influenza.

(c) *Research on :*

VIR 5 *Epidemiology of respiratory virus infections other than influenza*. Studies, in human volunteers, of the numerous viruses that have been isolated and of their relationship to respiratory infections, including the common cold.

VIR 7 *Trachoma*. Studies on the growth requirements of the virus in cell and tissue culture in relation to vaccine production; vaccination trials; laboratory screening of therapeutic agents; and controlled clinical trials with promising new substances.

VIR 8 *Smallpox*. Studies on the use of jet injectors under different conditions. Study of the relation between the experimental behaviour in the laboratory of certain strains of variola virus isolated in Africa and clinical and epidemiological observations in the field. Investigation of other epidemiological problems.

VIR 15 *Animal hosts of arthropod-borne viruses*. Studies to clarify the role of different animal hosts, including birds, in transporting arthropod-borne viruses between different areas and in disseminating the infections caused by these viruses.

VIR 18 *Relationship between human and animal influenza viruses*. A study on the relationship between animal and human strains of the influenza virus. Serological surveys to detect the presence of antibodies in animals, particularly swine, have been instituted in Argentina, Czechoslovakia, Hungary, Japan, the United Kingdom, the United States of America and the USSR.

VIR 21 *Tumour viruses*. Studies on the interaction between viruses and cells, with special reference to the relationship between viruses and tumours.

VIR 22 *Cell strains*. Studies on cell strains with a view to improving their value in the isolation of viruses and in vaccine production.

VIR 23 *Virus hepatitis*. Field and laboratory studies on the epidemiology and virology of infectious hepatitis.

VIR 25 *Tropical virus infections*. Studies to clarify the importance of the numerous respiratory, enteric and arthropod-borne viruses isolated from patients and healthy persons and from mosquitos and vertebrates.

VIR 26 *Virus vaccines*. Studies on measles, influenza and arthropod-borne virus vaccines; and tests on volunteers of several new strains of influenza vaccine that from laboratory tests appear to have advantages over the strains used at present in live virus vaccine studies.

VIR 27 *Viral chemotherapy*. Research on the chemical substances that can disrupt the chemical processes that take place when a virus particle penetrates and replicates inside a cell. Chemotherapeutic substances have been found effective against a few large viruses, and it would be desirable to find substances that could be used against other viruses, especially those of the small-size group.

VIR 31 *Standardization of viral reagents*. Studies in the WHO virus reference centres and other laboratories in connexion with the preparation, standardization, cross-testing and distribution of reagents for virus laboratories.

## 7. Leprosy

(See page 467)

*Research on :*

LEP 3 *Antileprosy drugs*. Trials of repository sulfones, thiamazole (Methimazole), ditophal, long-acting sulfonamides and associations of antileprosy drugs. Centres in Bamako, Caracas, Chingleput (India), Rio de Janeiro, and Uzuakoli (Nigeria) have already carried out trials, and other centres in Argentina, Burma and Spain will be asked to co-operate.

LEP 4 *Mycobacterium leprae*. Cultivation of *Myco. leprae* in artificial media, tissue culture and human diploid-cell strains.

LEP 6 *Transmission of leprosy to laboratory animals*. Studies on the transmission of *Myco. leprae* to mice, hamsters and other animals including, if possible, animals of a longer life-span. Supply of lepromas to research centres in Europe.

LEP 7 *Standardization of lepromin* and studies on the chemical components of the antigen; and cytochemical studies to observe the mechanism of the lepromin reaction. These are being carried out in centres in Baltimore, Rio de Janeiro and Tokyo.

LEP 8 *Serology of leprosy*. Studies on complement-fixation tests, contents of sera in leprosy antibodies, and circulating antigen-antibody complexes in reactional stages; these are being carried out in Riberao Preto (Brazil).

LEP 9 *Genetics and epidemiology of leprosy*. Studies on the possible influence of genetic variability in the human host and the bacillus on the overall incidence of leprosy and related frequency of different forms of leprosy; the studies are being carried out in Campinas (Brazil) and the United States of America.

LEP 10 *Chemoprophylaxis of leprosy*. Research to determine the value, duration, and optimum dosage of chemoprophylaxis in child household contacts of leprosy cases.

LEP 11 *Histopathology of leprosy*. Studies on the Schwann cell in leprosy lesions and its involvement by *Myco. leprae*. This research may throw some light on the spread of leprosy bacilli in the body and on the portal of entry.

**8. Veterinary Public Health**

(See page 467)

*Research on :*

**VPH 1** *Animal influenza viruses and related infections.* Studies on animal influenza and the role of related viruses in the epidemiology of human influenza and other diseases.

**VPH 2** *Rabies.* Improvement of therapy and immunization of exposed persons, and of laboratory procedures, especially diagnostic methods. Studies on the use of tissue culture and other new techniques in preparing and testing vaccines free from risk of complications. Ecological studies of rabies in wild life and basic studies on the properties of the virus.

*Brucellosis.* Studies on immunization procedures to control the infection in man and animals, especially ovines. Standardization of diagnostic methods. Studies on the bacteriology of *Brucella* and their ecology in nature. Improvement of laboratory methods used in epidemiological work and in the preparation of diagnostic and immunizing agents.

**VPH 3** *Various zoonoses (including comparative virology).* Studies on the classification of *animal viruses* and their relationship to human viruses; preparation of standard reagents. Studies on serotyping, diagnosis and immunization in *leptospirosis*. Laboratory diagnosis and epidemiology of *toxoplasmosis*. Diagnosis, epidemiology and therapy of *echinococcosis* (hydatidosis). Tuberculin testing in eradication programmes for *bovine tuberculosis*.

**VPH 6** *Neoplastic, cardiovascular and other chronic diseases of animals.* Comparative studies on the epidemiology, pathology and nomenclature of selected spontaneous neoplastic, cardiovascular, nervous and other chronic diseases of domestic and wild animals that are analogous to or identical with diseases of man (animal leukemias, bladder cancer, lung cancer, atherosclerosis, nervous and rheumatoid diseases, etc.).

**VPH 7** *Food hygiene practices and microbiological standards.* Research on the development of simple food hygiene practices suitable for developing countries and of microbiological standards for meat and milk in warm climates.

**9. Public Health Administration**

(See page 467)

*(a) International Reference Centres*

**HLS 1** *Blood Group Reference Laboratory* (London). The reference laboratory types rare blood groups; supplies haemagglutinating sera and necessary reagents; assists national blood group reference laboratories; trains junior research workers; and coordinates research, especially in the field of anthropology.

**HLS 2** *Centre for Information on Antibiotics* (Liège). The centre collects and disseminates information on antibiotics and arranges facilities for the rapid identification of new antibiotics.

*(b) Other Services to Research*

**HLS 5** *International Committee on Laboratory Animals.* The Committee studies problems related to the terminology used in the classification of strains of laboratory animals; studies methods of care and breeding of laboratory animals; advises on the training of laboratory animal technicians; and assists countries in the organization of their laboratory animal centres for diagnostic, control and research purposes.

*(c) Research on :*

**PHA 1** *Public health practice.* Application of health indicators to the measurement of local health services in order to determine the correlation between those services and the community health requirements in developing countries.

**OMC 2** *Organizational patterns for the provision of health care.* Comparative studies — in Yugoslavia, Canada, and Belgium — on medical facilities in relation to various patterns of health services, and on the utilization of those services by the population.

**OMC 3** *Hospital utilization.* Study of the utilization of in-patient and out-patient hospital services in selected countries.

**10. Vital and Health Statistics**

(See page 468)

*Centres for Classification of Diseases*

**DHS 1** *London.* The centre deals with problems connected with the revision and application of the International Classification of Diseases.

**DHS 2** *Moscow.* A new centre to deal with problems arising in connexion with the interpretation and application of the International Classification of Diseases in the countries using Russian and other Slav languages.

## 11. Dental Health

(See page 468)

### (a) International and Regional Centres

DH 1 *Epidemiology of dental diseases.* Support to centres in different parts of the world for the purpose of collecting and consolidating existing knowledge on dental epidemiology, standardizing indices and criteria for the measurement of dental diseases, and training dental epidemiologists.

### (b) Research on:

DH 2 *Epidemiology of periodontal diseases.* Studies in areas with high and low prevalence of periodontal disease, in order to determine the relative importance of several local factors and of systemic factors in the etiology of this group of diseases.

## 12. Social and Occupational Health

(See page 468)

### (a) Research on:

SOH 2 *Respiratory diseases among textile workers.* Comparative epidemiological studies of respiratory diseases due to vegetable dust, being carried out by the occupational health unit of the London School of Hygiene and Tropical Medicine.

SOH 6 *Effects of vibration on health.* Studies to determine to what extent vibration affecting a part or the whole of the body causes somatic and psychic changes—a contractual agreement with the Institute of Occupational Health, Helsinki.

SOH 7 *Adaptation to extreme climatic conditions.* Comparative studies, in selected population groups, of the adaptation of the human organism to heat, cold and altitude.

SOH 8 *Functional changes in health and disease under conditions of work in stress situations.* Studies of changes in cardiovascular, respiratory and metabolic functions of healthy persons, and of the development of disease in these systems, in industrial and other environmental situations imposing physical stress.

### (b) Other Technical Services

SOH 3 *International Occupational Safety and Health Information Centre.* The centre, which was started by the International Labour Office, is a means of rapid and systematic international exchange of scientific information and experience relating to occupational health and safety.

## 13. Chronic and Degenerative Diseases

(See page 468)

### (a) International Reference Centres

CAN 5, 11, 13-16, 18-20, 23 and 24. *Histopathology of tumours.* The centres for the histopathology of tumours already in existence, or planned for 1966, deal with (i) bone tumours (Buenos Aires); (ii) ovarian tumours (Leningrad); (iii) thyroid gland tumours (Zurich); (iv) salivary gland tumours (London); (v) urinary bladder tumours; (vi) skin tumours; (vii) stomach and intestinal tumours; (viii) oesophageal tumours; and (ix) odontogenic tumours—at the time the budget estimates were prepared the last five centres had not yet been designated. In 1967 two new centres will be designated to deal with the histopathology of (i) testicular tumours and (ii) uterine and placental tumours.

CAN 6 *Provision of tumour-bearing animals* (Amsterdam). The centre supplies laboratory animals, with and without tumours, to institutes and laboratories in different countries.

CAN 7 *Provision of frozen transplantable tumour strains* (Stockholm). The centre supplies frozen transplantable tumour tissues to institutes and laboratories in different countries.

### (b) Research on:

CVD 1 *Ecology of atherosclerosis.* Studies—in Czechoslovakia, Sweden and the USSR—of atherosclerosis in autopsy material, combined with social and clinical studies of living people in the same areas.

CVD 6 *Chronic cor pulmonale.* Follow-up studies of the causative conditions in populations with a high prevalence of chronic cor pulmonale.

CVD 7 *Cardiomyopathies.* Pathological, clinical, epidemiological and experimental research on the etiology, pathogenesis and, if possible, control of endomyocardial fibrosis and cardiomegaly of unknown origin in tropical and sub-tropical areas of Africa, Asia and Latin America.

CVD 11 *Rheumatic heart disease.* Research on prevalence, prophylaxis, control and surveillance in school-age children and young adults.

CVD 12 *Arterial hypertension.* Follow-up studies on arterial hypertension under different environmental conditions.

- CVD 13 *Ischaemic heart disease.* Studies on ischaemic heart disease in different ecological patterns.
- CVD 14 *Cerebrovascular disease.* Studies of the main types of cerebrovascular lesions in populations living under different environmental conditions and differing as regards the frequency of ischaemic heart disease.
- CVD 15 *Methodology of epidemiological studies.* Development of techniques for assessing some of the personal and environmental factors that are of importance in the pathogenesis of hypertension and ischaemic heart disease.
- CAN 9 *Prevalence of tumours.* Epidemiological and demographic studies of methods of cancer registration as a means of tracing differences in prevalence.
- CAN 17 *Oral and oropharyngeal tumours.* Comparative epidemiological studies of oral and oropharyngeal tumours in Asia.
- CAN 21 *Oesophageal tumours.* Epidemiological studies in selected areas where there is a high prevalence of this type of cancer. Work will be carried out in Jamaica, Mongolia, northern Argentina, South Africa, southern Brazil and the Central Asian Republics of the USSR.
- CAN 22 *Breast cancer.* Investigations at centres in Athens, São Paulo and Taipei, where a comparative case-control study on the epidemiology of breast cancer is being carried out.
- CAN 25 *Lymphomas in Africa and other areas.* Combined pathological and epidemiological studies, carried out by the co-operating and processing centres, on the histopathological definition of lymphomas in Africa; and analysis of the results obtained.
- GCD 1 *Prevalence of chronic rheumatic diseases and diabetes mellitus.* Screening surveys in tropical or sub-tropical areas, in order to measure the importance of these diseases in such areas and guide further epidemiological studies in the search for etiological factors.

#### 14. Health Education

(See page 469)

##### Research on:

HE 1 *Motivation of health practices.* A multidisciplinary study to develop methods for (i) influencing people's attitude to a given health problem, (ii) carrying out health education in different socio-economic settings, and (iii) assessing the elements conducive to the adoption of the various practices being advocated.

#### 15. Maternal and Child Health

(See page 470)

##### Research on:

HR 1 *Factors influencing mortality and fertility.* Demographic studies recommended by the Advisory Committee on Medical Research.

HR 2 *Interrelationship of population trends and public health services.* Studies recommended by the Advisory Committee on Medical Research.

#### 16. Mental Health

(See page 470)

##### Research on:

MH 1 *Prevalence and natural history of specific mental disorders.* Comparative studies (i) through field research, leading to a better understanding of the natural history of specific mental disorders in different cultures; and (ii) on methods of uniform collection and collation of statistics on mental disorders, in order to obtain a better picture of psychiatric morbidity in different countries and to assess the need for different types of mental health services.

MH 2 *Neurology and biological psychiatry.* Studies (i) to collate basic knowledge of the morphological, biophysical, biochemical and neurophysiological mechanisms involved in the various aspects of normal and pathological animal behaviour, and (ii) to evaluate classical and new methods of treatment and psychotropic drugs. Collaboration with the International Brain Research Organization.

#### 17. Nutrition

(See page 470)

##### (a) Research on:

NUTR 2 *Nutritional anaemias.* Investigations to elucidate the etiology of iron deficiency anaemias in the tropics and sub-tropics. Investigations on the prevalence and epidemiology of megaloblastic anaemias.

NUTR 4 *Nutritional requirements in pregnancy and lactation.* Studies on the nature of the physiological adjustments that occur during pregnancy and lactation and their influence on the nutritional requirements of pregnant women and nursing mothers.

NUTR 5 *Protein requirements in infants and children.* Studies to determine the protein requirements of children between six and eighteen months of age, and the utilization of vegetable protein and non-specific nitrogen.

NUTR 6 *Nutrition and infection.* Studies to define the relationship between malnutrition and infection and enable available knowledge to be applied to public health programmes.

NUTR 8 *Dietary calcium intake and senile osteoporosis.* Investigations on the etiology and epidemiology of senile osteoporosis, with special reference to dietary calcium deficiency.

NUTR 9 *Testing of new protein foods.* Clinical tests to determine the safety and suitability of new protein foods for infants and young children, as part of the joint FAO/UNICEF/WHO protein-rich food programme.

NUTR 10 *Nutritional status and toxicity of food additives.* Studies on the effect of the nutritional status of the organism on the toxicity of food additives and of pesticide residues in food.

(b) *Services to Research*

NUTR 7 *Blood analysis centres.* The centres carry out the analysis of serum for iron, percentage of saturation transferrin, folic acid and vitamin B<sub>12</sub>, in order to provide data on the prevalence of megaloblastic anaemias.

**18. Radiation and Isotopes**

(See page 470)

*Research on:*

RI 1 *Radiological protection measures.* Collection by the International Commission on Radiological Protection of fundamental data on radiation exposure and exposure to radionuclides, on which to base recommendations for protection measures.

RI 2 *Measurement of radiation and radionuclides used medically.* Development by the International Commission on Radiological Units and Measurements of standards and units for the measurement of ionizing radiation.

RI 3 *Radiation-induced biological changes and disease.* Study of leukaemia in patients treated by radiation for cancer of the uterine cervix; and studies of other groups, such as those who have received thorotrast and those treated with radiation for skin ailments and for other benign or malignant conditions.

RI 5 *Fundamental radiobiology.* Comparative radiobiological studies concerning both the somatic and genetic effects of radiation, to permit the data obtained from animal experiments to be applied to practical radiation health work.

RI 6 *Populations exposed to high levels of natural radiation.* Studies in areas of high natural radiation, to obtain direct data on the effects on human populations of chronic low-level irradiation.

RI 14 *Hospital radiological physics and practical radiation protection.* Development and evaluation of simple dosimetric methods for various types of ionizing radiation, for use in clinical and personnel protection work; and study of physical and technical means of lowering the unnecessary radiation doses to patients and staff in radiological procedures.

**19. Environmental Health**

(See page 471)

(a) *International Reference Centres*

EBL 3 *Diagnosis of diseases of vectors* (Columbus, Ohio). The centre diagnoses and arranges for further necessary studies of the material collected in a widespread survey for organisms potentially useful in the biological control of vectors.

EP 5 *Air pollution monitoring.* A centre for the comparison and evaluation of the efficiency, precision and suitability of sampling techniques and analytical methods for selected air pollutants, samples to be taken both from the environment, and from human and animal tissue and excreta. The centre will also provide analytical reference services, training, and advice on the use of the methods proposed.

(b) *Other Services to Research*

EBL 2 *Collecting kits.* Provision of the collecting kit developed for use in a widespread survey of pathogens and parasites of disease vectors.

(c) *Research on:*

EP 1 *Trace elements and synthetic organic compounds in the environment.* A study of the physiological, clinical and biochemical effects on man of pesticides used in agriculture and other synthetic organic compounds released into the environment, and the long-term implications of such effects.

EP 2 *Parameters for evaluating special inorganic wastes in water.* Investigations to determine the toxic substances in water, the concentrations in which they are found, the proportion that is usually removed by conventional treatment processes, and the maximum permissible concentrations, if such can be established.

EP 3 *Measurement of air pollution.* A study of air pollution sampling procedures, quantitative measurement of ambient air pollution, nomenclature, and units for reporting results.

EP 4 *Persistent synthetic organic compounds in water.* A study to determine the sources of synthetic organic compounds, the routes by which they reach surface and ground water, and methods for detecting and estimating them.

EBL 4 *Biological control agents.* Research on the laboratory culture and mass cultivation of biological control agents.

EBL 5 *Biological methods for monitoring water quality.* Development and standardization of improved biological methods for monitoring water quality.

CWS 1 *Water disinfection techniques.* A study of disinfection techniques for small community water supplies, including the development of economical means of chlorination.

CWS 2 *Improvement of water supply systems.* A study of operational research techniques for improving the effectiveness of water supply systems.

CWS 3 *New water supply materials.* A study on the development of public health standards, testing procedures and use of new water supply materials and chemicals, e.g. plastic pipe and fittings, chemical coagulation aids, and new disinfectants for drinking-water supplies.

CWS 4 *Water supplies and the socio-economic status of the community.* Studies on the relationship between improved water supplies and the socio-economic status of the community. Work will include the development of methodology and parameters for such studies and their eventual application to selected communities in developing countries.

(d) *Research on Vector Control:*

VC 1 *Insecticides and pesticides.* Studies on the toxicity of pesticides to man; trials on aircraft disinsection; studies on the chemistry and specifications of pesticides; and procurement of standard materials for research purposes.

VC 2 *New chemicals for use in vector control.* Development of new chemicals for the control of invertebrate vectors of disease.

VC 4 *Negatively correlated insecticidal compounds.* Studies on insecticidal compounds that may show greater effectiveness against insects that are resistant to a previously used insecticide than against those that are susceptible.

VC 7 *Laboratory and simulated field evaluation of new insecticides.* Evaluation of new insecticides for use against mosquitos, lice, bedbugs and houseflies.

VC 8 *Basic screening of new chemicals for vector control.* Preliminary screening of new chemicals entering the WHO programme for evaluation and testing of insecticides for the control of invertebrate vectors of disease.

VC 9 *Toxicity of insecticides to mammals.* Toxicological evaluation of new insecticides in the WHO evaluation and testing programme.

VC 10 *Residual effectiveness of insecticides.* Assessment of the residual effectiveness of various insecticides on representative types of building material, and development of the formulations most suitable for use in malaria eradication and other programmes.

VC 11 *Methods of analysis and specifications for new insecticides.* Development of methods of analysis and of specifications for new insecticides and insecticide formulations; and studies on new methods of formulating insecticides.

VC 12 *Field testing of insecticides.* Evaluation of new insecticides (under the WHO evaluation and testing programme) in specially constructed test huts.

VC 21 *Genetics of the Culex pipiens complex.* Studies on the genetics of the *Culex pipiens* complex and other mosquito vectors of filariasis, and maintenance of a standard strain of *C. fatigans*.

VC 23 *Appliances for dispersing pesticides.* Development of equipment for the dispersion of insecticides and molluscicides.

VC 24 *Resistance of Culex fatigans and Aedes aegypti.* Studies on the resistance of *C. fatigans* and *A. aegypti* to the newly-developed insecticides.

VC 25 *Genetics of houseflies.* Studies on the genetics of houseflies and maintenance of a standard strain of *Musca domestica*.

## 20. Education and Training

(See page 472)

EMAS 1 *Exchange of teaching personnel.* To enable teachers of medical and paramedical subjects to exchange experience and discuss teaching problems.

EMAS 2 *Collection of data on medical and allied education.* Contractual arrangements with non-governmental organizations for the collection of information on institutions and teaching methods in medical and allied education. These data are used in the world directories of teaching institutions and WHO technical documents.

## 21. Other Activities

(See page 472)

### (1) Immunology

#### (a) International Reference Centres

IM 6 *Immunoglobulins (Lausanne).* The centre carries out services to research which include the development of more effective preparations of immunoglobulins, research on the structure and function of the antibody molecule, and development of immuno-diagnostic reagents for dysgammaglobulinaemia (agammaglobulinaemia, hypogammaglobulinaemia, multiple myeloma, Waldenström macroglobulinaemia and H-chain diseases).

IM 7 *Immunology research and training centre (Lausanne).* In collaboration with the reference centre described under IM 6 above, this centre organizes short courses in new immunological techniques and provides the opportunity for advanced research training in immunology.

IM 8 *Serology of the auto-immune disorders (London).* The centre is responsible for reference services in serological techniques used in research and diagnosis of auto-immune disorders; production of suitable antigen preparations and standard reference sera; and standardization of serological techniques.

IM 9 *Tissue-antigen typing* (centre not yet designated). The centre will, as a service to research on the selection of donors for organ transplantation, collect, prepare and exchange human sera containing antibodies against white-blood-cell antigens (and possibly other tissue antigens); and organize a laboratory workshop for the standardization of antisera and techniques, using an established panel of white-blood-cell donors.

IM 10 *Testing of natural resistance factors* (centre not yet designated). The centre will collect, exchange and test natural antibodies and other factors important in natural resistance.

IM 11 *Tumour-specific antigens* (Moscow). The centre will collect, exchange and test antigens isolated from tumours, organs and cells, and also sera (monospecific) prepared against them.

(b) *Research on:*

IM 1 *Immunopathological mechanisms*. Study of the factors responsible for allergy, auto-immune diseases, hypersensitive states and immune anomalies; and studies on the participation of immunopathological mechanisms in the pathogenesis of infectious diseases, particularly in parasitic diseases.

IM 2 *Immunochemistry*. Development and improvement of technical procedures for the detection and characterization of antigens, antibodies and other immune factors, with a view to introduction and application of these techniques in immunology research and in research and training centres in developing countries.

IM 3 *Immunizing agents*. Development and improvement of immunizing, immunoprophylactic and immunodiagnostic agents and techniques; studies to obtain more effective immunizing agents.

IM 4 *Identification and characterization of tissue antigens*. Study of tissue antigens that are of importance in blood transfusion, in tissue and organ transplantation, and in the immunology of cancer; and research on factors responsible for induced immune non-responsiveness.

IM 5 *Basic immunological mechanisms*. Research on mechanisms and control of antibody formation and delayed hypersensitivity, and on the characterization and role of the immunologically competent cells. Studies on phagocytosis and other factors of natural resistance.

(2) **Pharmaceuticals**

(a) *International Reference Centre*

PHARM 1 *Chemical reference substances* (Stockholm). The centre is responsible for the purchasing, examining, storing and distributing of chemical reference substances; research work on additional reference preparations, particularly for spectrophotometric analysis; laboratory work on specifications for new pharmaceutical preparations; and the organizing of collaborative work on general methods for analysis of pharmaceutical preparations.

(b) *Research on:*

PHARM 2 *Specifications for pharmaceutical preparations*. Work in connexion with the preparation of specifications for the quality control of new pharmaceutical preparations, including research on analytical methods; and other studies related to resolution WHA18.36.

(3) **Pharmacology and Toxicology**

(a) *Research on:*

PT 2 *Drug abuse*. Research on drug abuse and evaluation of harmful dependence-producing properties of drugs, in discharge of the Organization's functions under the treaties for international narcotics control.

PT 3 *Therapeutic safety of drugs*. Studies related to the implementation of resolution WHA17.39 on the pharmacological and clinical evaluation of drugs.

PT 5 *Adverse reactions to drugs*. Studies related to the implementation of resolutions WHA17.39, WHA18.42 and WHA18.43 as far as they concern the development of reliable monitoring systems.

(b) *Services to Research*

PT 1 *Coded information on narcotics*. Support of a card-index providing systematic information on narcotics, sponsored by the Committee on Drug Addiction and Narcotics of the National Research Council, United States of America.

(4) **Biological Standardization**

(a) *International Reference Centres*

BS 1, 2 and 12 *Biological standards*. The Copenhagen centre carries out work in connexion with the establishment of biological standards and reference preparations of immunological substances, and co-ordination of research. The London centre carries out similar work in connexion with pharmacological substances, including antibiotics; and the Weybridge centre similar work in connexion with substances that are primarily of veterinary interest.

BS 10 *Type cultures* (Lausanne). Culture collection of micro-organisms and information centre.



(b) *Other Services to Research*

BS 14 *Working standards for biological substances.* Preparation and supply of material to serve as working standards for biological substances for national control purposes, as well as for research.

(c) *Research on:*

BS 4 *Yellow fever vaccine.* Studies in selected laboratories on quality criteria for yellow fever vaccines.

BS 5 *Long-acting properties of biological preparations.* Studies of the long-acting properties of different preparations of antibiotics in order to develop satisfactory methods of evaluation; and similar studies on preparations of other substances.

BS 6 *Standardization of hormones.* Studies on material for the establishment of purified preparations of hormones as international standards and reference preparations.

BS 7 *Standardization of vaccines.* Research on the standardization of bacterial and viral vaccines, including smallpox, poliomyelitis, measles, anthrax, pertussis and BCG vaccine and various toxoids.

BS 8 *Standardization of antisera and antitoxins.* Research on the standardization of antitoxins and antisera, including streptococcus and staphylococcus antitoxins, snake antivenins, various virus antisera, rheumatoid factor antibodies and antitoxins.

BS 9 *Biological assay techniques.* Study of biological assay techniques for certain widely used biological preparations presenting evaluation problems.

BS 11 *Standardization of diagnostic reagents.* Research on the provision of reference preparations of reagents for diagnosis and identification.

(5) **Human Genetics**

(a) *International Reference Centres*

HG 10 Development of a network of international reference centres for abnormal haemoglobins, serum protein variants and enzyme groups, etc., which are essential supporting services to surveys of biochemical variants in human populations.

(b) *Other Services to Research*

HG 11 *Compilation and computation of data.* Collection of epidemiological and genealogical data of genetic interest; provision of computer time and other facilities for studies in human genetics.

(c) *Research on:*

HG 8 *Chromosomal and biochemical characteristics of special groups.* Studies on different population groups, and investigation of genetically determined biochemical traits and abnormalities.

HG 9 *Populations of unusual genetic interest.* Studies of a specifically genetic nature, or genetic-medical-anthropological investigations, of population isolates, primitive groups or other populations of particular genetic interest.

HG 13 *Demographic factors of genetic importance.* Studies on the genetic effects of population changes; and comparative studies on the effects of inbreeding in areas with high inbreeding coefficients.

HG 14 *Chemical mutagenesis.* Investigations on the mutagenicity of selected substances which may have significant effects on man's genetic make-up, or through somatic mutation may constitute an immediate health hazard.

HG 15 *Metabolic disorders of genetic origin.* Studies of genetic conditions such as fibrocystic disease of the pancreas, Wilson's disease and muscular dystrophy, with a view to improving methods of diagnosis and treatment.

(6) **Global Epidemiological Surveillance**

GES 1 *Serum reference banks* (New Haven (Connecticut), Prague and Johannesburg). Collection, storage and investigation of blood samples in human and animal populations in various parts of the world, along the lines originally proposed by the Study Group on Immunological and Haematological Surveys in 1958. With the development of new methods, this programme will be considerably expanded to support immunological surveys in the field of communicable diseases of bacterial, viral and protozoan origin, and biochemical, haematological and genetic investigations in cardiovascular, nutritional and other disturbances, as requested.

(7) **Epidemiology and Communications Science**

REC 1 *Services to research.* To provide for the complex numerical computations required for research activities in epidemiological research, mathematical theories as applied to public health problems (especially the surveillance of communicable diseases), operational research, and the health effects of rapid ecological changes.

(8) **General Assistance to Research**

RPC 1 *Exchange of research workers.* Visits by scientists to their colleagues in other countries to exchange ideas and compare findings.

RPC 2 *Research training.* Provision for the following types of training for research workers:

(i) *Senior research training* to enable established investigators engaged on particular pieces of research to go abroad, observe and discuss new techniques, research planning and administration, and contribute their own experience.

(ii) *Junior research training* for (a) promising young graduates who have confirmed their interest in research by working under established scientists or by having carried out some investigations on their own initiative; and (b) technically qualified associates of research workers, in whose countries opportunities for research training are not available.

RPC 3 *Research by individual investigators.* Assistance to research projects proposed by individual investigators that are relevant to the Organization's research programme; this supplements the co-operative research projects of that programme.

## COLLABORATION WITH OTHER ORGANIZATIONS

(See page 474)

1. *Co-ordinated Activities with Other International Organizations (including Broad Programmes of the United Nations and Specialized Agencies in the Social and Economic Field)* Inter-regional 153  
Programmes, developed in consultation with the United Nations and the specialized agencies concerned, in pursuance of resolutions of the Economic and Social Council and of the General Assembly of the United Nations. *Provision*: to cover direct participation by WHO in inter-agency programmes of concerted action, participation in broad programmes at regional level, and support to national programmes, \$40 000.
2. *Liaison with the United Nations Children's Fund* Inter-regional 138  
Continuation of the posts of the medical advisers stationed in New York. The provision for duty travel will enable the advisers to visit, as required, WHO headquarters, the regional offices of WHO and UNICEF, and projects jointly assisted by the two organizations. *Provision*: two medical advisers and two clerk-stenographers (all continued), \$52 958; duty travel, \$10 000.
3. *Collaboration with Economic Commission for Africa*
  - (a) *Liaison* Inter-regional 263  
To carry out liaison functions with ECA. *Provision*: a medical officer, a clerk-stenographer and a driver (all continued), \$28 252; supplies, \$1000.
  - (b) *Institute for economic planning and development* Inter-regional 399  
To provide a public health adviser for the African Institute for Economic Planning and Development (which trains national administrators in the various disciplines related to the economic and social development of their countries), in order to ensure that students from the various national administrations are aware of the role of health in social and economic development. Assistance is expected to continue through 1970. *Provision*: a public health adviser (continued), \$21 300.
  - (c) *Health aspects of housing* Inter-regional 234  
To advise the Housing, Building and Planning Section of ECA on dealing with the environmental health aspects of the housing and physical planning programmes being developed in Africa. *Provision*: a sanitary engineer (continued), \$22 009.
4. *Liaison with the International Atomic Energy Agency* Inter-regional 275  
To carry out liaison functions with IAEA. *Provision*: a medical officer and a secretary (both continued), \$21 868.
5. *United Nations Relief and Works Agency for Palestine Refugees* Inter-regional 139  
Continuation of the general technical direction of the health programmes administered by UNRWA. *Provision*: a public health administrator, a medical officer and a public health nurse (all continued), \$59 160.
6. *International Children's Centre, Paris (Funds-in-trust)* Inter-regional 141  
To assist in the general technical direction of the Centre and its training and research programme. *Provision*: a medical officer (continued), \$22 360.
7. *World Food Programme (Funds-in-trust)* Inter-regional 402  
To provide advice to the World Food Programme on projects in the field of health and on the health aspects of projects in other fields. *Provision*: a medical officer and secretary (continued), \$28 803.
8. *Joint FAO/WHO Food Standards Programme (Codex Alimentarius Commission)* Inter-regional 365  
To arrange for the development of microbiological and other standards for food; develop research and training programmes in public health aspects of food hygiene, with special reference to epidemiological investigation and the control of food-borne diseases; advise governments on these and on administrative and legal aspects of food hygiene; and collect, study and summarize toxicological and related data on food additives, pesticides and poisonous substances, for use by the respective *Codex* committees. *Provision*: a food hygienist, a scientist, a secretary and a clerk-stenographer, \$32 620; duty travel, \$3500; WHO participation in the costs of the joint office for the food standards programme, \$27 000.
9. *Protein Advisory Group (FAO/UNICEF/WHO) (Regular and Funds-in-trust)* Inter-regional 144
  - (a) Continued provision for the posts of technical secretary and clerk-stenographer for the FAO/UNICEF/WHO Protein Advisory Group, which advises on the safety and suitability for human consumption of proposed new protein-rich foods. *Provision*: under the regular budget, \$12 834; from funds-in-trust, \$25 666.
  - (b) A meeting of Protein Advisory Group members and consultants, to review studies on protein malnutrition and provide guidance for the joint FAO/UNICEF/WHO programme for the development of new protein-rich foods. *Provision*: under the regular budget, \$3266; from funds-in-trust, \$6534.
10. *Meeting on Physiological Studies, Human Adaptability Project (International Council of Scientific Unions/WHO)* Inter-regional 400  
To permit investigators engaged in the studies on environmental physiology, which are part of the human adaptability project of the International Biological Programme, to discuss and compare findings and plan further comparative research. *Provision*: WHO's share of the expenses, \$20 000.

11. *Joint Medical Service for United Nations and Other Organizations* (Funds-in-trust)

Inter-regional 154

A common service operated by WHO for the benefit of all the international organizations of the United Nations family in Geneva. Its services include pre-employment medical examinations, determination of physical suitability, periodic medical examinations of staff, inoculations required for travel, terminal medical examinations, and general advice to the organizations regarding health matters affecting the staff. The costs are borne jointly by the several organizations in relation to the services rendered. *Provision* (exclusive of the share payable by WHO, for which provision is included in the estimates for Common Services at Headquarters): personnel, \$106 145; medical supplies and other services, \$20 235, WHO being reimbursed for these costs.



**COST SCHEDULES:  
REGIONAL ACTIVITIES**

THE REGIONS: SUMMARY OF REGIONAL OFFICES AND FIELD ACTIVITIES

	Regional Offices						Field Activities						Total					
	Number of posts			Estimated obligations			Number of posts			Estimated obligations			Number of posts			Estimated obligations		
	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967
			US \$	US \$	US \$				US \$	US \$	US \$				US \$	US \$	US \$	
<b>AFRICA</b>																		
Regular budget .....	97	106	106	864 270	1 018 833	1 190 487	279	294	324	4 522 714	5 262 592	5 813 963	376	400	430	5 386 984	6 281 425	7 004 450
Technical Assistance:																		
Expanded Programme of Technical Assistance .....							130	128	127	2 219 269	2 213 800	2 517 773	130	128	127	2 219 269	2 213 800	2 517 773
United Nations Special Fund .....							1	1		507 537	97 729	108 800	1	1		507 537	97 729	108 800
Funds-in-trust .....							125	105	95	2 070 907	1 584 735	1 392 420	125	105	95	2 070 907	1 584 735	1 392 420
Other Extra-budgetary Funds .....										1 936 000	2 854 700	3 011 200				1 936 000	2 854 700	3 011 200
Total - AFRICA	97	106	106	864 270	1 018 833	1 190 487	535	528	546	11 256 427	12 013 556	12 844 156	632	634	652	12 120 697	13 032 389	14 034 643
<b>THE AMERICAS</b>																		
Regular budget .....	58	58	58	792 548	841 555	867 405	94	97	100	2 518 683	2 950 984	3 283 364	152	155	158	3 311 231	3 792 539	4 150 769
Technical Assistance:																		
Expanded Programme of Technical Assistance .....							93	90	89	1 211 116	1 345 236	1 483 592	93	90	89	1 211 116	1 345 236	1 483 592
United Nations Special Fund .....							8	6	6	503 254	397 575	213 675	8	6	6	503 254	397 575	213 675
Funds-in-trust .....										69 220						69 220		
Pan American Health Organization:																		
Regular funds .....	180	178	178	2 914 699	3 081 138	3 180 767	179	194	234	4 275 301	4 998 862	5 674 913	359	372	412	7 190 000	8 080 000	8 855 680
Special Malaria Fund .....							99	90	87	1 897 773	1 729 894	2 293 661	99	90	87	1 897 773	1 729 894	2 293 661
Community Water Supply Fund .....							18	18	8	378 943	371 332	227 961	18	18	8	378 943	371 332	227 961
Other funds .....							336	337	331	2 199 865	2 219 095	2 097 961	336	337	331	2 199 865	2 219 095	2 097 961
Other Extra-budgetary Funds .....										6 521 000	7 101 500	1 993 900				6 521 000	7 101 500	1 993 900
Total - THE AMERICAS	238	236	236	3 707 247	3 922 693	4 048 172	827	832	855	19 575 155	21 114 478	17 269 027	1065	1068	1091	23 282 402	25 037 171	21 317 199
<b>SOUTH-EAST ASIA</b>																		
Regular budget .....	95	95	95	505 370	532 820	570 319	236	242	224	3 398 863	3 814 721	4 132 716	331	337	319	3 904 233	4 347 541	4 703 035
Technical Assistance:																		
Expanded Programme of Technical Assistance .....							78	82	98	1 162 447	1 269 784	1 505 660	78	82	98	1 162 447	1 269 784	1 505 660
United Nations Special Fund .....							1	1		326 431	337 887		1	1		326 431	337 887	
Other Extra-budgetary Funds .....										3 663 650	5 326 000	1 765 000				3 663 650	5 326 000	1 765 000
Total - SOUTH-EAST ASIA	95	95	95	505 370	532 820	570 319	315	325	322	8 551 391	10 748 392	7 403 376	410	420	417	9 056 761	11 281 212	7 973 695

THE REGIONS: SUMMARY OF REGIONAL OFFICES AND FIELD ACTIVITIES

	Regional Offices						Field Activities						Total					
	Number of posts			Estimated obligations			Number of posts			Estimated obligations			Number of posts			Estimated obligations		
	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967
				US \$	US \$	US \$				US \$	US \$	US \$				US \$	US \$	US \$
EUROPE																		
Regular budget .....	85	88	90	784 311	866 221	920 240	77	84	89	1 723 258	1 802 197	1 939 551	162	172	179	2 507 569	2 668 418	2 859 791
Technical Assistance:																		
Expanded Programme of Technical Assistance .....							47	39	52	546 844	522 325	698 446	47	39	52	546 844	522 325	698 446
United Nations Special Fund .....							2	2	2	473 700	836 000	712 400	2	2	2	473 700	836 000	712 400
Funds-in-trust .....										7 400						7 400		
Other Extra-budgetary Funds .....							1			1 690 000	1 332 000	1 143 000	1			1 690 000	1 332 000	1 143 000
Total - EUROPE	85	88	90	784 311	866 221	920 240	127	125	143	4 441 202	4 492 522	4 493 397	212	213	233	5 225 513	5 358 743	5 413 637
EASTERN MEDITERRANEAN																		
Regular budget .....	81	86	86	526 653	557 882	573 045	195	208	213	3 230 384	3 734 550	4 063 214	276	294	299	3 757 037	4 292 432	4 636 259
Technical Assistance:																		
Expanded Programme of Technical Assistance .....							93	91	95	1 071 636	1 215 118	1 510 057	93	91	95	1 071 636	1 215 118	1 510 057
Funds-in-trust .....							46	51	44	388 320	640 302	581 086	46	51	44	388 320	640 302	581 086
Other Extra-budgetary Funds .....										3 487 000	2 568 100	599 000				3 487 000	2 568 100	599 000
Total - EASTERN MEDITERRANEAN	81	86	86	526 653	557 882	573 045	334	350	352	8 177 340	8 158 070	6 753 357	415	436	438	8 703 993	8 715 952	7 326 402
WESTERN PACIFIC																		
Regular budget .....	58	59	62	442 640	497 343	515 968	136	150	157	2 742 839	3 139 261	3 412 690	194	209	219	3 185 479	3 636 604	3 928 658
Technical Assistance:																		
Expanded Programme of Technical Assistance .....							69	64	62	905 374	980 887	1 209 020	69	64	62	905 374	980 887	1 209 020
Other Extra-budgetary Funds .....										1 786 800	1 936 500	1 843 200				1 786 800	1 936 500	1 843 200
Total - WESTERN PACIFIC	58	59	62	442 640	497 343	515 968	205	214	219	5 435 013	6 056 648	6 464 910	263	273	281	5 877 653	6 553 991	6 980 878
ROTATIONAL ADMINISTRATION AND FINANCE STAFF																		
Regular budget .....	7	7	7	99 080	99 543	108 741							7	7	7	99 080	99 543	108 741
Total - ROTATIONAL ADMINISTRATION AND FINANCE STAFF	7	7	7	99 080	99 543	108 741							7	7	7	99 080	99 543	108 741

THE REGIONS: SUMMARY OF REGIONAL OFFICES AND FIELD ACTIVITIES

	Regional Offices					Field Activities					Total							
	Number of posts			Estimated obligations			Number of posts			Estimated obligations								
	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967						
				US \$	US \$	US \$		US \$	US \$	US \$		US \$	US \$	US \$				
INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES																		
Regular budget ...																		
Technical Assistance:																		
Expanded Programme of Technical Assistance .....																		
Funds-in-trust .....																		
Total - INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES																		
GRAND TOTAL																		
Regular budget .....	481	499	504	4 014 872	4 414 197	4 746 205	1062	1133	1167	21 661 704	24 792 232	27 251 202	1543	1632	1671	25 676 576	29 206 429	31 997 407
Technical Assistance:																		
Expanded Programme of Technical Assistance .....							551	522	552	7 844 466	8 072 850	9 369 948	551	522	552	7 844 466	8 072 850	9 369 948
United Nations Special Fund .....							12	10	8	1 810 922	1 669 191	1 034 875	12	10	8	1 810 922	1 669 191	1 034 875
Funds-in-trust .....							196	180	163	2 723 735	2 420 373	2 183 249	196	180	163	2 723 735	2 420 373	2 183 249
Pan American Health Organization:																		
Regular funds .....	180	178	178	2 914 699	3 081 138	3 180 767	179	194	234	4 275 301	4 998 862	5 674 913	359	372	412	7 190 000	8 080 000	8 855 680
Special Malaria Fund .....							99	90	87	1 897 773	1 729 894	2 293 661	99	90	87	1 897 773	1 729 894	2 293 661
Community Water Supply Fund .....							18	18	8	378 943	371 332	227 961	18	18	8	378 943	371 332	227 961
Other funds .....							336	337	331	2 199 865	2 219 095	2 097 961	336	337	331	2 199 865	2 219 095	2 097 961
Other Extra-budgetary Funds .....										19 084 450	21 118 800	10 355 300				19 084 450	21 118 800	10 355 300
GRAND TOTAL	661	677	682	6 929 571	7 495 335	7 926 972	2453	2484	2550	61 877 159	67 392 629	60 489 070	3114	3161	3232	68 806 730	74 887 964	68 416 042



**AFRICA : SUMMARY**

	Regional Office						Field Activities						T o t a l					
	Number of posts			Estimated obligations			Number of posts			Estimated obligations			Number of posts			Estimated obligations		
	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967
	US \$	US \$	US \$				US \$	US \$	US \$				US \$	US \$	US \$			
Regular Budget .....	97	106	106	864 270	1 018 833	1 190 487	279	294	324	4 522 714	5 262 592	5 813 963	376	400	430	5 386 984	6 281 425	7 004 450
Technical Assistance:																		
Expanded Programme of Technical Assistance							130	128	127	2 219 269	2 213 800	2 517 773	130	128	127	2 219 269	2 213 800	2 517 773
United Nations Special Fund .....							1	1		507 537	97 729	108 800	1	1		507 537	97 729	108 800
Funds-in-trust .....							125	105	95	2 070 907	1 584 735	1 392 420	125	105	95	2 070 907	1 584 735	1 392 420
Other Extra-budgetary Funds .....							/			1 936 000	2 854 700	3 011 200				1 936 000	2 854 700	3 011 200
	97	106	106	864 270	1 018 833	1 190 487	535	528	546	11 256 427	12 013 556	12 844 156	632	634	652	12 120 697	13 032 389	14 034 643



## AFRICA: REGIONAL OFFICE

Regular Budget					Technical Assistance				Source of funds	Other Extra-budgetary Funds			
Number of posts			Estimated obligations		Number of posts			Estimated obligations		Estimated obligations			
1965	1966	1967			1965	1966	1967			1965	1966	1967	
			US \$	US \$	US \$			US \$	US \$	US \$			
<u>Administration and Finance (continued)</u>													
<u>Budget and Finance</u>													
1	1	1		9 117	9 360	Budget and finance officer	P3						
1	1	1		7 757	7 880	Budget officer	P2						
1	1	1		6 421	6 611	Finance officer	P2						
1	1	1		5 285	5 470	Budget officer	P1						
1	1	1		4 900	5 095	Finance officer	P1						
1	1	1		6 356	6 534	Assistant accountant	BZ9						
1	1	1		4 170	4 327	Accounts clerk	BZ8						
1	1	1		3 396	3 534	Budget clerk	BZ7						
1	1	1		4 170	4 295	Accounts clerk	BZ7						
1	1	1		5 402	5 548	Secretary	BZ7						
1	1	1		5 524	5 669	Cashier	BZ7						
1	1	1		4 808	4 925	Budget clerk	BZ6						
4	4	4		12 128	12 592	Accounts clerks	BZ6						
1	1	1		2 420	2 512	Budget clerk	BZ5						
1	1	1		2 436	2 526	Clerk	BZ5						
3	3	3		7 498	7 776	Clerk-typists	BZ5						
<u>Travel</u>													
1	1	1		5 794	5 940	Administrative assistant	BZ8						
1	1	1		3 012	3 129	Clerk-stenographer	BZ6						
<u>Personnel</u>													
1	1	1		7 792	8 002	Personnel officer	P3						
1	1	1		6 130	6 310	Personnel officer	P2						
1	1	1		5 047	5 237	Personnel officer	P1						
1	1	1		6 336	6 514	Nurse	BZ9						
1	1	1		6 651	6 837	Administrative assistant	BZ9						
1	1	1		4 170	4 327	Administrative assistant	BZ8						
3	3	3		14 478	14 913	Clerks	BZ7						
1	1	1		5 155	5 296	Secretary	BZ7						
2	5	5		18 589	18 991	Clerk-stenographers	BZ6						
1	1	1		4 785	4 896	Clerk	BZ6						
<u>Supply</u>													
1	1	1		7 740	7 950	Supply officer	P3						
1	1	1		6 534	6 710	Administrative assistant	BZ9						
1	1	1		3 347	3 488	Clerk	BZ7						
1	1	1		4 953	5 069	Clerk-stenographer	BZ6						

AFRICA: REGIONAL OFFICE

Regular Budget						Technical Assistance				Source of funds	Other Extra-budgetary Funds			
Number of posts			Estimated obligations			Number of posts			Estimated obligations					
1965	1966	1967	1965			1966	1967	1965	1966		1967	1965	1966	1967
			US \$	US \$	US \$		US \$	US \$	US \$		US \$	US \$	US \$	
<u>Administration and Finance (continued)</u>														
<u>General Services</u>														
1	1	1		9 220	9 457					P3				
1	1	1		6 737	6 925					P2				
1	1	1		5 395	5 576					P1				
1	1	1		5 317	5 500					P1				
1	1	1		6 504	6 681					B29				
3	3	3		12 459	12 940					B28				
2	2	2		6 007	6 227					B26				
4	4	4		13 222	13 704					B26				
3	3	3		7 414	7 691					B25				
4	4	4		7 369	7 627					B24				
1	1	1		1 562	1 621					B23				
4	4	4		4 794	4 954					B22				
				54 748	56 406									
97	106	106		451 091	565 138	580 786								
Total established posts														
				27 000	20 000	38 000								
<u>Temporary staff</u>														
				22 000	24 500	29 000								
<u>Travel</u>														
				2 000	2 000	4 000								
<u>Other costs</u>														
				28 035	24 700	25 830								
				58 200	67 150	71 745								
				19 845	21 450	22 680								
				2 520	3 250	3 780								
				37 548	14 300	133 245								
<u>Common services</u>														
				216 031	276 345	281 421								
<u>Other statutory staff costs</u>														
97	106	106		864 270	1 018 833	1 190 487								
Total - REGIONAL OFFICE														

AFRICA : SUMMARY OF FIELD ACTIVITIES

Regular Budget						Technical Assistance				Source of funds	Other Extra-budgetary Funds				
Number of posts			Estimated obligations			Number of posts			Estimated obligations						
1965	1966	1967	1965			1966	1967	1965	1966		1967	1965	1966	1967	
			US \$	US \$	US \$				US \$	US \$	US \$				
99	95	102	1 667 876	1 771 529	1 793 543	Malaria	7	7	8	129 545	131 773	132 213	71 000	75 000	65 000
14	15	19	156 918	212 741	264 589	Tuberculosis	29	28	25	390 795	409 677	382 539	14 000	17 000	23 000
2			33 810			Venereal diseases and treponematoses	11	11	10	193 032	152 986	160 014		18 000	18 000
4	4	4	67 160	77 092	108 708	Bacterial diseases									
4	5	7	84 360	98 845	172 718	Parasitic diseases	9	6	6	98 956	94 765	117 932			
3	4	4	38 618	46 349	61 920	Virus diseases	1	1		15 045	16 584				
			16 950			Leprosy	1	1	4	8 627	13 962	64 598	265 000	408 000	385 000
64	70	77	948 000	1 195 922	1 310 357	Public health administration	155	137	120	2 475 929	2 125 385	1 854 720	419 000	182 000	279 000
4	4	5	72 235	81 488	116 096	Vital and health statistics	2	1	1	21 140	16 146	29 988			
24	30	31	326 303	456 309	485 697	Nursing	13	12	13	167 067	241 087	291 682	34 000	150 000	136 000
			2 200	5 100		Social and occupational health			1		15 403	14 176			
3	4	5	50 020	60 592	91 230	Health education	6	6	6	79 003	100 632	112 399		38 000	24 000
20	20	22	335 835	351 843	381 306	Maternal and child health	4	4	5	57 067	62 023	78 540	1 047 000	1 132 200	1 364 000
		1	4 800	1 700	17 179	Mental health									
15	19	20	183 557	233 328	277 183	Nutrition	3	3	3	40 955	47 822	50 598	65 000	824 500	707 200
15	15	15	230 102	257 238	293 084	Environmental health	12	13	14	697 352	231 061	286 770	21 000	10 000	10 000
8	9	12	302 070	410 516	438 353	Education and training	3	3	6	423 200	236 958	442 824			
			2 000	2 000	2 000	Other activities									
279	294	324	4 522 714	5 262 592	5 813 963	TOTAL	256	234	222	4 797 713	3 896 264	4 018 993	1 936 000	2 854 700	3 011 200

AFRICA : REGIONAL ADVISERS

(For text, see page 107)

Regular Budget				Technical Assistance					Other Extra-budgetary Funds				
Number of posts			Estimated obligations			Number of posts		Estimated obligations			Estimated obligations		
1965	1966	1967	1965	1966	1967	1965	1966	1967	Source of funds	1965	1966	1967	
			US\$	US\$	US\$					US\$	US\$	US\$	
Regional advisers in:													
1	1	1		11 877	12 167								
1	1	1		11 829	12 119				P5				
2	2	2		20 308	20 720				P4				
1	1	1		12 605	13 025				P6				
2	3	3		33 549	34 348				P5				
3	3	3		28 370	29 072				P4				
1	1	1		9 055	9 300				P4				
					7 460				P3				
2	2	2		20 606	21 126				P4				
1	2	2		18 647	19 137				P4				
1	1	1		10 715	10 975				P5				
1	1	1		9 512	9 736				P4				
2	2	2		19 033	19 538				P4				
1	1	1		11 105	11 357				P5				
1	1	1		9 851	10 108				P4				
1	1	1		11 062	11 316				P5				
1	1	1		8 930	9 180				P4				
<u>Malaria Eradication</u>													
1	1	1		11 620	11 902				P5				
2	2	2		19 902	20 410				P4				
1	1	1		10 867	11 127				P4				
1	1	1		4 850	5 047				P1				
<u>Stenographic Pool</u>													
3	3	4		15 724	21 218				BZ7				
19	19	19		91 410	93 525				BZ6				
8	8	8		19 701	20 440				BZ5				
56	59	61		343 705	421 128	444 353							
Total established posts													
			15 000	10 000	10 000	<u>Temporary staff</u>							
			68 000	59 000	59 000	<u>Travel</u>							
						Duty							
			16 465	13 300	15 170	<u>Common services</u>							
			33 300	35 350	41 255	Space and equipment services							
			11 655	11 550	13 320	Other services							
			1 480	1 750	2 220	Supplies and materials							
			22 052	7 700	78 255	Fixed charges and claims							
						Acquisition of capital assets							
			207 600	278 274	291 653	<u>Other statutory staff costs</u>							
56	59	61		719 257	838 052	955 226	Total - REGIONAL ADVISERS						

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Handwritten marks and arrows pointing to specific rows in the table.

AFRICA: WHO REPRESENTATIVES

(For text, see page 107)

Regular Budget						Technical Assistance				Other Extra-budgetary Funds				
Number of posts			Estimated obligations			Number of posts			Estimated obligations			Source of funds		
1965	1966	1967	1965			1966	1967	1965	1966	1967	1965		1966	1967
			US \$	US \$	US \$		US \$	US \$	US \$		US \$	US \$	US \$	
1	1	1		13 725	13 760	Medical officer								
14	14	14		160 464	163 918	Medical officers								
1	1	1		2 306	2 418	Secretary								
1	1	1		2 949	3 047	Secretary								
1	1	1		5 026	5 208	Secretary								
1	1	1		2 569	2 695	Secretary								
1	1	1		2 563	2 647	Secretary								
1	1	1		4 118	4 286	Administrative assistant								
1	1	1		4 070	4 213	Secretary								
1	1	1		3 940	3 940	Secretary								
1	1	1		1 660	1 733	Secretary								
1	1	1		3 078	3 220	Secretary								
1	1	1		4 527	4 731	Secretary								
1	1	1		3 721	3 823	Secretary								
5	5	5		13 789	14 176	Secretaries								
				10 912	11 375	Custodial staff								
31	32	32		175 879	239 417	Total established posts								
						<u>Travel</u>								
				32 000	32 000	Duty								
						<u>Common services</u>								
				9 350	13 300	Space and equipment services								
				31 850	35 000	Other services								
				7 150	8 400	Supplies and materials								
				1 300	1 400	Fixed charges and claims								
				19 900	9 300	Acquisition of capital assets								
				100 033	145 428	Other statutory staff costs								
31	32	32		377 462	484 245	Total - WHO REPRESENTATIVES								

AFRICA: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance					Other Extra-budgetary Funds				
Number of posts			Estimated obligations			Source of funds	Estimated obligations							
1965	1966	1967	1965		1966		1967	1965	1966	1967				
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$		
<b>BASUTOLAND</b>														
(For text, see page 107)														
TUBERCULOSIS														
				2	6	3	2	60 737	41 066	35 484	EPTA	14 000*		
NURSING														
				11			2			28 574	EPTA		40 000*	
NUTRITION														
				1								38 000*	41 000*	41 000
EDUCATION AND TRAINING														
	8 000	4 000	8 000	200				55 000			EPTA			
	8 000	4 000	8 000	201				55 000						
	8 000	4 000	8 000		6	3	4	115 737	41 066	64 058		52 000	81 000	41 000
<b>BECHUANALAND</b>														
(For text, see page 108)														
PARASITIC DISEASES														
				2	2	2	2	15 596	25 872	29 744	EPTA			
MATERNAL AND CHILD HEALTH														
				13	1	1	1	6 853	10 850	12 736	EPTA		25 000	25 000
EDUCATION AND TRAINING														
	8 000	8 000	8 000	200										
	8 000	8 000	8 000		3	3	3	22 449	36 722	42 480			25 000	25 000

\* Allocated by the UNICEF Executive Board.







AFRICA: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance					Other Extra-budgetary Funds					
Number of posts			Estimated obligations			Source of funds	Estimated obligations								
1965	1966	1967	1965		1966		1967	1965	1966	1967					
			US \$	US \$	US \$		US \$	US \$	US \$						
<b>CHAD</b>															
(For text, see page 109)															
<b>LEPROSY</b>															
				Leprosy control	2						5 000*	24 000*	20 000		
<b>PUBLIC HEALTH ADMINISTRATION</b>															
1	1		17 217	Advisory services	21										
<b>NURSING</b>															
2	2	2	18 305	Nursing education	14										
<b>MATERNAL AND CHILD HEALTH</b>															
				Maternal and child health	3	2	2	2	27 693	27 104	30 925	EPTA	58 000*	31 000	20 000
<b>NUTRITION</b>															
				Applied nutrition	7								25 000	20 000	
<b>ENVIRONMENTAL HEALTH</b>															
				Environmental sanitation	10	1	1	1	19 239	18 638	20 242	EPTA			
<b>EDUCATION AND TRAINING</b>															
			8 000	Fellowships	200										
			8 000	Fellowships	201				48 000	48 000	6 000	EPTA			
									48 000	48 000	6 000				
2	3	3	18 305	Total - CHAD	3	3	3		94 932	93 742	57 167		63 000	80 000	60 000
<u>Total Estimated Government Contribution</u>											(163 566)	(24 490)			
<b>COMORO ARCHIPELAGO</b>															
(For text, see page 110)															
<b>MALARIA</b>															
	3			Pre-eradication programme	7										
<b>EDUCATION AND TRAINING</b>															
			8 000	Fellowships	200										
	3		8 000												
<u>Total - COMORO ARCHIPELAGO</u>															

\* Allocated by the UNICEF Executive Board.

AFRICA: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Source of funds <sup>1</sup>	Other Extra-budgetary Funds			
Number of posts		Estimated obligations			Number of posts		Estimated obligations			Estimated obligations			
1965	1966	1967	1965		1966	1967	1965	1966		1967	1965	1966	1967
			US\$	US\$	US\$					US\$	US\$	US\$	
<b>CONGO (BRAZZAVILLE)</b>													
(For text, see page 110)													
<b>MALARIA</b>													
2	2	2	17 581	27 125	31 046	15							
<b>LEPROSY</b>													
						2					1 000*	12 000*	9 000
<b>PUBLIC HEALTH ADMINISTRATION</b>													
						18							
						21	3	3	3	34 883	43 413	44 924	EPTA
1			7 500		12 279								
	1		7 500		12 279		3	3	3	34 883	43 413	44 924	
<b>MATERNAL AND CHILD HEALTH</b>													
						3						75 000	50 000
<b>EDUCATION AND TRAINING</b>													
			8 000	4 000	8 000	200							
						201				9 700		4 000	EPTA
			8 000	4 000	8 000					9 700		4 000	
2	2	3	33 081	31 125	51 325		3	3	3	44 583	43 413	48 924	
<b>Total - CONGO (BRAZZAVILLE)</b>													
<u>Total Estimated Government Contribution</u>													
											1 000	87 000	59 000
											(44 500)	(44 500)	
<b>DEMOCRATIC REPUBLIC OF THE CONGO</b>													
(For text, see page 111)													
<b>MALARIA</b>													
4	4	4	69 300	66 067	66 246	5							
<b>PUBLIC HEALTH ADMINISTRATION</b>													
13	13	13	225 300	263 580	248 047	1	8	8	8	120 350	169 530	160 399	EPTA
						6	125	105	95	1 804 285	1 584 735	1 392 420	PT
13	13	13	225 300	263 580	248 047		133	113	103	1 924 635	1 754 265	1 552 819	
<b>EDUCATION AND TRAINING</b>													
5	5	5	59 100	65 024	70 117	7							
22	22	22	353 700	394 671	384 410		133	113	103	1 924 635	1 754 265	1 552 819	
<b>Total - DEMOCRATIC REPUBLIC OF THE CONGO</b>													

<sup>1</sup> Allocated by the UNICEF Executive Board.  
PT = Funds-in-trust.

AFRICA: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance						Other Extra-budgetary Funds				
Number of posts			Estimated obligations			Number of posts			Estimated obligations			Source of funds			
1965	1966	1967	1965		1966	1967	1965	1966	1967	1965	1966		1967		
			US \$	US \$	US \$		US \$	US \$	US \$		US \$	US \$	US \$		
<b>DAHOMEY</b>															
(For text, see page 111)															
<b>MALARIA</b>															
3	3	3	44 083	47 758	47 549	Pre-eradication programme	1								
<b>LEPROSY</b>															
						Leprosy control	3					58 000*	46 000	47 000	
<b>PUBLIC HEALTH ADMINISTRATION</b>															
			11 200	12 000		Public health administration	9	1	6 000						
			11 200	12 000		Public health laboratory methods	14	1	6 000						
<b>VITAL AND HEALTH STATISTICS</b>															
			5 800	8 000	3 400	Statistical services	13								
<b>NURSING</b>															
			8 000	8 000	12 000	Fellowships	200								
<b>MENTAL HEALTH</b>															
			4 800	1 700		Mental health services	15								
<b>NUTRITION</b>															
						Nutrition services	5					27 000*		51 000	
<b>ENVIRONMENTAL HEALTH</b>															
						Environmental sanitation	7	1	1	1	21 116	19 306	27 709		
<b>EDUCATION AND TRAINING</b>															
			8 500	8 000	16 000	Fellowships	200								
3	3	3	82 383	85 458	78 949	Total - DAHOMEY	2	1	1	27 116	19 306	27 709	85 000	46 000	98 000
<b>GABON</b>															
(For text, see page 111)															
<b>MALARIA</b>															
1	3			20 061	45 217	Pre-eradication programme	14								

\* Allocated by the UNICEF Executive Board.

AFRICA: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds						
Number of posts		Estimated obligations			Number of posts		Estimated obligations		Estimated obligations						
1965	1966	1967	1965		1966	1967	1965	1966	1967	Source of funds <sup>1</sup>	1965	1966	1967		
		US\$	US\$	US\$				US\$	US\$	US\$					
				<b>Gabon (continued)</b>											
				LEPROSY											
				Leprosy control											
				2											
				PUBLIC HEALTH ADMINISTRATION											
				National health laboratory											
				8	1	1	1	11 621	12 886	19 935	EPTA FT				
				18				45 080							
				National health planning											
							1	1	1	56 701	12 886	19 935			
				NURSING											
				Nursing education											
2	2	2	22 743	31 228	32 518										
				MATERNAL AND CHILD HEALTH											
				Maternal and child health services											
2	2	2	28 238	31 570	30 684										
				ENVIRONMENTAL HEALTH											
				Environmental sanitation programme											
1	1	1	14 638	18 252	21 679										
				EDUCATION AND TRAINING											
				Fellowships											
										4 000					
5	6	8	65 619	101 111	134 098										
				Total - GABON											
				1	1	1	56 701	12 886	19 935						
				<u>Total Estimated Government Contribution</u>											
										2 500 59 500 39 000					
										(272 400) (272 653) (304 490)					
				<b>GAMBIA</b>											
				(For text, see page 112)											
				NURSING											
				Nursing education											
				3	2	2	2	16 437	23 828	24 767	EPTA	50 000*			
				200											
				Fellowships											
							2	2	2	16 437	23 828	24 767	50 000		
				EDUCATION AND TRAINING											
				Fellowships											
										4 000 4 000 4 000					
										8 000 4 000 4 000					
				Total - GAMBIA											
				2	2	2	16 437	23 828	24 767						
				<u>Total Estimated Government Contribution</u>											
										(72 550) (19 750)					

\* Allocated by the UNICEF Executive Board.  
<sup>1</sup> FT = Funds-in-trust.



AFRICA: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds							
Number of posts			Estimated obligations			Estimated obligations			Estimated obligations							
1965	1966	1967	1965		1966	1967	1965	1966	1967	Source of funds	1965	1966	1967			
US \$			US \$			US \$				US \$						
<b>GUINEA</b>																
(For text, see page 113)																
<b>MALARIA</b>																
3	3	3	27 515	42 643	48 586	Pre-eradication programme	14									
<b>LEPROSY</b>																
						Leprosy control	3					50 000	50 000			
<b>PUBLIC HEALTH ADMINISTRATION</b>																
						Public health services	16	1	1	1	16 867	15 651	18 370	EPTA		
<b>NURSING</b>																
			4 000	4 000	4 000	Nursing education Fellowships	19		1				14 889	EPTA		
			4 000	4 000	4 000		200		1				14 889			
<b>MATERNAL AND CHILD HEALTH</b>																
						Maternal and child health services	1	2	2	1	29 374	34 919	19 867	EPTA		
<b>ENVIRONMENTAL HEALTH</b>																
			4 000			Environmental sanitation Fellowships	8	1	1	2	18 470	16 562	32 142	EPTA		
			4 000				200	1	1	2	18 470	16 562	32 142			
<b>EDUCATION AND TRAINING</b>																
				4 000	4 000	Fellowships	200									
3	3	3	35 515	50 643	56 586	<b>Total - GUINEA</b>		4	4	5	64 711	67 132	85 268			
											(19 430)	(19 430)	(19 430)			
<b>IVORY COAST</b>																
(For text, see page 114)																
<b>LEPROSY</b>																
			1 200			Leprosy control	3							110 000*	147 000*	130 000

\* Allocated by the UNICEF Executive Board.



AFRICA: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds				
Number of posts			Estimated obligations			Source of funds	Estimated obligations						
1965	1966	1967	1965		1966		1967	1965	1966	1967			
US \$			US \$			US \$			US \$				
<b>Ivory Coast (continued)</b>													
VITAL AND HEALTH STATISTICS													
			4 000		8	1	1	1	16 640	16 146	17 988	EPTA	
			4 000		200	1	1	1	16 640	16 146	17 988		
HEALTH EDUCATION													
					10	1	1	1	9 535	16 364	18 408	EPTA	
MATERNAL AND CHILD HEALTH													
2	2	2	27 511 4 000	28 921	4								
					200								
2	2	2	31 511	28 921									
NUTRITION													
					1								72 000
					24	1	1	1	9 535	16 364	18 408	EPTA	
													72 000
ENVIRONMENTAL HEALTH													
					12	1	1	1	22 315	36 341	25 854	EPTA	
EDUCATION AND TRAINING													
				4 000	200								
2	2	2	32 711	32 921									
<b>Total - IVORY COAST</b>						<b>4</b>	<b>4</b>	<b>4</b>	<b>58 025</b>	<b>85 215</b>	<b>80 658</b>		<b>110 000</b> <b>219 000</b> <b>130 000</b>
<b>KENYA</b>													
(For text, see page 114)													
TUBERCULOSIS													
					4	5	5	3	70 249	74 238	42 763	EPTA	
PUBLIC HEALTH ADMINISTRATION													
4	3	3	58 507	47 296	16								245 000*
					22								35 000
4	3	3	58 507	47 296									34 000

\* Allocated by the UNICEF Executive Board.

AFRICA: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds					
Number of posts			Estimated obligations		Number of posts			Source of funds <sup>1</sup>	Estimated obligations					
1965	1966	1967			1965	1966	1967		1965	1966	1967			
	US \$	US \$	US \$		US \$	US \$	US \$		US \$	US \$	US \$			
<b>Kenya (continued)</b>														
<b>NURSING</b>														
1	1	10 800	29 481	28 166	32 200									
		3 000				Post-basic nursing education Fellowships								
1	1	13 800	29 481	28 166										
<b>MATERNAL AND CHILD HEALTH</b>														
Maternal and child health					7					20 000*	140 000			
										125 000				
										145 000	140 000			
<b>NUTRITION</b>														
3	3	34 655	36 761	44 625	9	Nutrition survey and control of deficiency diseases								
<b>ENVIRONMENTAL HEALTH</b>														
2	2	27 394	28 996	45 151	2	Environmental sanitation								
		7 500			33	Advisory services, Tana river basin								
2	2	34 894	28 996	45 151										
<b>EDUCATION AND TRAINING</b>														
		13 400	13 600	17 000	27									
					201						48 000			
		13 400	13 600	17 000								48 000		
9	9	155 256	156 134	184 451										
<b>Total - KENYA</b>					5	5	3	70 249	74 238	90 763		245 000	180 000	174 000
<b>LIBERIA</b>														
(For text, see page 115)														
<b>MALARIA</b>														
3	2	64 678	41 194	43 809	20	Pre-eradication programme								
<b>VENEREAL DISEASES AND TREPONEMATOSES</b>														
					3	2	2	2	29 829	27 316	41 253			
Yaws control												EPTA		
<b>PUBLIC HEALTH ADMINISTRATION</b>														
					25									
National health planning											FT		39 000*	16 000

<sup>1</sup> Allocated by the UNICEF Executive Board.  
FT = Funds-in-trust.





AFRICA: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Source of funds	Other Extra-budgetary Funds		
Number of posts			Estimated obligations		Number of posts			Estimated obligations		Estimated obligations		
1965	1966	1967			1965	1966	1967			1965	1966	1967
	US\$	US\$	US\$			US\$	US\$	US\$		US\$	US\$	US\$
<b>Mali (continued)</b>												
MATERNAL AND CHILD HEALTH												
				24	2			27 748	EPTA		62 000*	83 000
				26						177 000		
					2			27 748		177 000	62 000	83 000
NUTRITION												
				31	1	1		17 689	EPTA		186 000*	126 000
ENVIRONMENTAL HEALTH												
1	1	1	21 465	9								
			24 838									
			22 856									
EDUCATION AND TRAINING												
				201				25 000	EPTA			
								25 000				
								10 000				
2	2	2	33 476	1	2	3		87 595		177 000	248 000	209 000
			37 936					59 273				
			35 714					54 286				
Total - MALI												
<u>Total Estimated Government Contribution</u>												
<b>MAURITANIA</b>												
(For text, see page 117)												
MALARIA												
5	4	4	81 476	9								
			61 812									
			65 593									
LEPROSY												
			1 200	2								
NURSING												
1	1	1	4 897	8								
			13 153									
			15 112									
MATERNAL AND CHILD HEALTH												
2	2	2	24 213	3						55 000*	33 000*	96 000
			26 120									
			27 247									
NUTRITION												
				4							65 000	65 000
EDUCATION AND TRAINING												
				201				18 000	EPTA			
								20 000				
8	7	7	111 786					18 000		55 000	98 000	161 000
			101 085									
			107 952					20 000				
Total - MAURITANIA												

\* Allocated by the UNICEF Executive Board.

AFRICA: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance			Other Extra-budgetary Funds					
Number of posts			Estimated obligations		Number of posts			Source of funds	Estimated obligations				
1965	1966	1967			1965	1966	1967		1965	1966	1967		
							US\$	US\$	US\$		US\$	US\$	US\$
<b>MAURITIUS</b>													
(For text, see page 117)													
<b>MALARIA</b>													
3	1	1	31 982	15 223	17 693	Eradication programme	7						
<b>TUBERCULOSIS</b>													
						Tuberculosis control	2	2	2	28 430	25 912	EPTA	
<b>PUBLIC HEALTH ADMINISTRATION</b>													
				5 100		Laboratory services	16						
			2 000	5 100	10 200	Epidemiological services	20						
				4 000	4 000	Fellowships	200						
			2 000	14 200	14 200								
<b>SOCIAL AND OCCUPATIONAL HEALTH</b>													
				5 100		Industrial health	17						
<b>MATERNAL AND CHILD HEALTH</b>													
			4 800			Maternal and child health services	3						
			4 800			Midwifery training	6						38 000*
													15 000
													25 000
													38 000
													15 000
													25 000
<b>NUTRITION</b>													
			4 800			Advisory services	19						
<b>ENVIRONMENTAL HEALTH</b>													
						Land and water resources survey	15	1	1	1	16 116	17 505	15 369
<b>EDUCATION AND TRAINING</b>													
			4 000	4 000	14 000	Fellowships	200						
3	1	1	47 582	38 523	45 893	<b>Total - MAURITIUS</b>	1	3	3	16 116	45 935	41 281	38 000
						<b>Total Estimated Government Contribution</b>							
													(483 217)
<b>NIGER</b>													
(For text, see page 118)													
<b>TUBERCULOSIS</b>													
						Tuberculosis control	5	2	2	2	31 482	29 274	33 730

\* Allocated by the UNICEF Executive Board.

AFRICA: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds					
Number of posts			Estimated obligations			Source of funds <sup>1</sup>	Estimated obligations							
1965	1966	1967	1965		1966		1967	1965	1966	1967				
			US \$	US \$	US \$				US \$	US \$	US \$			
<b>Niger (continued)</b>														
PUBLIC HEALTH ADMINISTRATION														
					8									
					17		61 108			FT	30 000*	68 000*	104 000	
							61 108				30 000	68 000	104 000	
NURSING														
1			11 028				13 000	84 500	108 800	UNSP				
					21	1	27 722			EPTA				
1			11 028			1	40 722	84 500	108 800					
NUTRITION														
					1								50 000	
ENVIRONMENTAL HEALTH														
1	1	1	5 386	15 279	33 289	18								
EDUCATION AND TRAINING														
					201			12 000	30 000	EPTA				
2	1	1	16 414	15 279	33 289									
Total - NIGER														
						3	2	2	133 312	125 774	172 550	30 000	68 000	154 000
Total Estimated Government Contribution														
											(101 000)	(101 000)		
<b>NIGERIA</b>														
(For text, see page 118)														
MALARIA														
4	4	5	66 553	70 694	84 458	26								
5	5	5	101 514	107 757	110 148	32								
5	4	4	75 330	68 434	60 292	37								
14	13	14	243 397	246 885	254 898									
TUBERCULOSIS														
4	4	3	60 575	63 490	49 615	14								
VENEREAL DISEASES AND TREPONEMATOSIS														
					1	1	1	17 042	19 564	EPTA		18 000	18 000	

\* Allocated by the UNICEF Executive Board.

<sup>1</sup> FT = Funds-in-trust; UNSF = United Nations Special Fund.







AFRICA: COUNTRY SCHEDULES

Regular Budget					Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations			Source of funds	Estimated obligations						
1965	1966	1967	1965				1966	1967	1965	1966	1967		
			US\$	US\$	US\$		US\$	US\$	US\$		US\$	US\$	US\$
<b>Portugal (continued)</b>													
<b>Mozambique (continued)</b>													
ENVIRONMENTAL HEALTH													
	1					4							
	5	4	5	76 803	53 187								
	5	4	5	84 053	65 187								
Total - MOZAMBIQUE													
Total - PORTUGAL													
<b>REUNION</b>													
(For text, see page 120)													
MALARIA													
	2	2	2	19 090	28 758	7							
Pre-eradication survey													
EDUCATION AND TRAINING													
				6 000	6 000	200							
Fellowships													
	2	2	2	25 090	34 758								
Total - REUNION													
<b>RWANDA</b>													
(For text, see page 121)													
TUBERCULOSIS													
						1	4	3	3	19 994	38 138	42 055	EPTA
Tuberculosis control													
PUBLIC HEALTH ADMINISTRATION													
	1			14 312		2	3	3		32 081	56 459		EPTA
Advisory services													
Emergency health services													
	1			14 312			3	3		32 081	56 459		
MATERNAL AND CHILD HEALTH													
	2	2	3	23 479	30 366	3							54 000*
Advisory services													
EDUCATION AND TRAINING													
						5	1	1	4	10 471	18 222	78 360	EPTA
University of Butare													
Fellowships													
						201	1	1	4	10 471	18 222	98 360	EPTA
	3	2	3	37 791	30 366		8	7	7	62 546	112 819	140 415	
Total - RWANDA													
													53 000

\* Allocated by the UNICEF Executive Board.

## AFRICA: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds		
Number of posts		Estimated obligations			Number of posts		Estimated obligations		Estimated obligations		
1965	1966	1967	1965		1966	1967	Source of funds	1965	1966	1967	
	US \$	US \$	US \$				US \$	US \$	US \$		
<b>SENEGAL</b>											
(For text, see page 121)											
MALARIA											
4	4	4	33 703	64 831	68 833	Pre-eradication programme	13				
TUBERCULOSIS											
		3		21 000	43 160	Tuberculosis control	19				
LEPROSY											
			1 200			Leprosy control	3		17 000	15 000	
VITAL AND HEALTH STATISTICS											
1	1	1	14 065	19 644	21 688	Vital and health statistics	11				
NURSING											
1	1	1	15 860	13 523	12 983	Advisory services	12				
HEALTH EDUCATION											
						Health education services	9	1	1	1	
								13 905	20 454	22 498	
										EPTA	
MATERNAL AND CHILD HEALTH											
						Maternal and child health	10		47 600*	47 600	
										45 000	
NUTRITION											
1	2	2	22 569	33 126	31 448	Nutrition training	16			34 500	
										35 000	
ENVIRONMENTAL HEALTH											
						Environmental sanitation	4	2	2	2	
								35 799	36 141	42 549	
										EPTA	
EDUCATION AND TRAINING											
					13 600	Public health teaching, University of Dakar	23				
7	8	11	87 397	152 124	191 712	Total - SENEGAL	3	3	3		
								49 704	56 595	65 047	
										47 600	
										99 100	
										95 000	

\* Allocated by the UNICEF Executive Board.

## AFRICA: COUNTRY SCHEDULES

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Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds		
Number of posts			Estimated obligations		Number of posts			Source of funds <sup>1</sup>	Estimated obligations		
1965	1966	1967			1965	1966	1967		1965	1966	1967
			US \$	US \$	US \$			US \$	US \$	US \$	
<b>SEYCHELLES</b>											
(For text, see page 122)											
TUBERCULOSIS											
1	1		31 314	26 956	Tuberculosis control	9					
VENEREAL DISEASES AND TREPONEMATOSIS											
					Venereal disease control	10	1 2 2	15 884	21 271	24 789	
MATERNAL AND CHILD HEALTH											
					Maternal and child health	7				11 000*	
1	1		31 314	26 956	Total - SEYCHELLES		1 2 2	15 884	21 271	24 789	
<b>SIERRA LEONE</b>											
(For text, see page 122)											
MALARIA											
3	3	3	52 102	50 735	Pre-eradication programme	19					
VENEREAL DISEASES AND TREPONEMATOSIS											
					Yaws control	1	2 2 2	35 894	28 064	35 443	
PUBLIC HEALTH ADMINISTRATION											
1	1		20 941	25 000	Health laboratory services	11					
	1	1	15 000	14 987	National health planning	22		50 377			
					Advisory services	26					
1	1	2	35 941	39 987				50 377			
NURSING											
1	1		14 258	19 575	Nursing education	7					
ENVIRONMENTAL HEALTH											
1	1	1	13 077	17 457	Environmental sanitation	14					
6	6	6	115 378	127 754	Total - SIERRA LEONE		2 2 2	86 271	28 064	35 443	
<u>Total Estimated Government Contribution</u>											
										(165 903)	

\* Allocated by the UNICEF Executive Board.

<sup>1</sup> FT = Funds-in-trust.

AFRICA: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds								
Number of posts			Estimated obligations		Number of posts			Source of funds	Estimated obligations								
1965	1966	1967			1965	1966	1967		1965	1966	1967						
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$					
<b>SOUTH AFRICA</b>																	
(For text, see page 123)																	
EDUCATION AND TRAINING																	
		16 500	10 000	16 500	Fellowships												
		16 500	10 000	16 500													
Total - SOUTH AFRICA																	
<b>SOUTHERN RHODESIA</b>																	
(For text, see page 123)																	
MALARIA																	
4	4	4	24 218	46 085	53 694	Pre-eradication programme											
			19 000	19 000	19 000	MATERNAL AND CHILD HEALTH											
						Medical School, Salisbury						50 000*					
			3 650	4 000	8 000	EDUCATION AND TRAINING											
						Fellowships											
4	4	4	46 868	69 085	80 694	Total - SOUTHERN RHODESIA						50 000					
<u>Total Estimated Government Contribution</u>													(171 360)				
<b>SPANISH GUINEA</b>																	
(For text, see page 123)																	
MALARIA																	
2	2	3	13 367	23 050	36 982	Pre-eradication programme											
2	2	3	13 367	23 050	36 982	Total - SPANISH GUINEA											
<b>SWAZILAND</b>																	
(For text, see page 123)																	
TUBERCULOSIS																	
						Tuberculosis control	2	6	6	4	76 458	77 880	53 914	EPTA		17 000*	23 000

\* Allocated by the UNICEF Executive Board.

## AFRICA: COUNTRY SCHEDULES

Regular Budget					Project No.	Technical Assistance				Other Extra-budgetary Funds				
Number of posts			Estimated obligations			Number of posts			Estimated obligations					
1965	1966	1967	1965			1966	1967	1965	1966	1967	Source of funds	1965	1966	1967
	US \$	US \$	US \$				US \$	US \$	US \$		US \$	US \$	US \$	
<u>Swaziland (continued)</u>														
HEALTH EDUCATION														
	3 600			Health education	9									
NUTRITION														
				Nutrition	7							38 000	38 000	
EDUCATION AND TRAINING														
	8 000	4 000	8 000	Fellowships	200									
	8 000	4 000	8 000	Fellowships	201				24 000	EPTA				
	11 600	4 000	8 000						24 000					
				Total - SWAZILAND		6	6	4	76 458	77 880	77 914		55 000	61 000
				<u>Total Estimated Government Contribution</u>									(48 000)	(48 000)
<u>TOGO</u>														
(For text, see page 124)														
MALARIA														
5	4	4	103 011	115 837	86 815	Pre-eradication programme	3	1	1	1	26 153	20 896	19 531	EPTA
VENEREAL DISEASES AND TREPONEMATOSES														
2			33 810			Treponematoses control	1							
LEPROSY														
	3 250			Fellowships	200									
PUBLIC HEALTH ADMINISTRATION														
	8 500			Health laboratory services	17				24 100	12 000	EPTA			
				Hospital administration	20									
	3 700			Epidemiological services	24	1	1	1	11 966	16 422	18 454	EPTA		
	12 200			Fellowships	200									
						1	3	1	11 966	40 522	30 454			
VITAL AND HEALTH STATISTICS														
				Vital and health statistics	16				4 500					
				Fellowships	201					12 000	EPTA			
						1			4 500		12 000	EPTA		

AFRICA: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds				
Number of posts			Estimated obligations			Number of posts	Estimated obligations			Estimated obligations			
1965	1966	1967	1965		1966		1967	1965	1966	1967	1965	1966	1967
			US\$	US\$	US\$		US\$	US\$	US\$		US\$	US\$	US\$
<b>Togo (continued)</b>													
<b>NURSING</b>													
1	1	1	19 724	20 346	21 610	13							
Advisory services													
<b>HEALTH EDUCATION</b>													
						14	1	1				38 000*	24 000
Health education										EPTA			
<b>MATERNAL AND CHILD HEALTH</b>													
			4 800			5						67 000*	68 000
Maternal and child health services													
<b>ENVIRONMENTAL HEALTH</b>													
2	2	2	34 393	40 928	43 903	15							
Environmental sanitation programme													
Fellowships						201			16 000				
2	2	2	34 393	40 928	43 903				16 000				
Fellowships										EPTA			
<b>EDUCATION AND TRAINING</b>													
				4 000	4 000	200							
Fellowships									12 000	12 000	16 000		
				4 000	4 000	201			12 000	12 000	16 000		
Fellowships													
10	7	7	211 188	181 111	156 328		4	5	2			105 000	92 000
Total - TOGO									86 401	90 856	77 985		
<u>Total Estimated Government Contribution</u>												(189 000)	
<b>UGANDA</b>													
(For text, see page 124)													
<b>MALARIA</b>													
3	3	4	48 136	50 264	56 546	12							
Pre-eradication programme													
<b>TUBERCULOSIS</b>													
						30	3	3	3				
Tuberculosis control									40 451	42 545	42 046		
<b>LEPROSY</b>													
						11						16 000*	11 000
Leprosy control													
<b>NURSING</b>													
						201			4 000				
Fellowships													

\* Allocated by the UNICEF Executive Board.





AFRICA: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds								
Number of posts			Estimated obligations			Number of posts	Estimated obligations			Estimated obligations							
1965	1966	1967	1965		1966		1967	1965	1966	1967	Source of funds	1965	1966	1967			
	US \$	US \$	US \$	<u>United Republic of Tanzania (continued)</u>					US \$	US \$	US \$		US \$	US \$	US \$		
<b>Zanzibar</b>																	
MALARIA																	
1	1	1	23 639	21 310	22 412	Eradication programme	4	2	2	3	41 008	43 849	44 452	EPTA	71 000*	75 000*	65 000
MATERNAL AND CHILD HEALTH																	
						Nursing/midwifery education	12	1	1	1	7 656	10 441	11 912	EPTA	36 000*		30 000
EDUCATION AND TRAINING																	
			8 000	7 000	11 000	Fellowships	200										
3	3	3	56 378	63 066	98 193	Total - UNITED REPUBLIC OF TANZANIA	4	5	6	60 543	80 826	86 828			181 000	129 000	156 000
<u>Total Estimated Government Contribution</u>														(184 355)	(184 355)	(184 355)	
<b>UPPER VOLTA</b>																	
(For text, see page 126)																	
LEPROSY																	
			1 200			Leprosy control	3										
PUBLIC HEALTH ADMINISTRATION																	
						Advisory services	8	1	1	1	13 548	17 988	20 032	EPTA			
NURSING																	
			4 000			Nursing education	11	3	3	2	25 641	42 188	29 981	EPTA			
			4 000			Fellowships	200										
								3	3	2	25 641	42 188	29 981				
HEALTH EDUCATION																	
						Health education programme	9	1	1	1	9 386	15 348	21 356	EPTA			
MATERNAL AND CHILD HEALTH																	
1	1	2	5 385	15 159	29 104	Maternal and child health services	4									91 000*	70 000
ENVIRONMENTAL HEALTH																	
						Environmental sanitation	10			1			17 675	EPTA			
EDUCATION AND TRAINING																	
				4 000		Fellowships	200										
1	1	2	10 585	19 159	29 104	Total - UPPER VOLTA	5	5	5	48 575	75 524	89 044				91 000	70 000
<u>Total Estimated Government Contribution</u>														(123 676)	(126 041)		

\* Allocated by the UNICEF Executive Board.



## AFRICA: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance					Other Extra-budgetary Funds			
Number of posts			Estimated obligations			Estimated obligations			Estimated obligations				
1965	1966	1967	1965		1966	1967	1965	1966	1967	Source of funds	1965	1966	1967
			US \$	US \$	US \$						US \$	US \$	US \$
<u>Inter-country Programmes (continued)</u>													
TUBERCULOSIS													
7	7	7	57 973	54 493	62 639	Regional tuberculosis epidemiological centre, Nairobi	53						
						Survey team	102						
						Advisory services	115	3	3	3	12 310	57 616	63 393
7	7	7	57 973	54 493	62 639			3	3	3	61 078	57 616	63 393
								3	3	3	73 388	57 616	63 393
VENEREAL DISEASES AND TREPONEMATOSES													
						Treponematoses advisory team	125	4	4	4	94 383	56 771	58 529
BACTERIAL DISEASES													
			6 400	10 300	10 300	Cerebrospinal meningitis control	101						
						Meeting on cerebrospinal meningitis	146						
						Plague control	162						
			6 400	10 300	35 500								
PARASITIC DISEASES													
1	3			16 153	52 210	Bilharziasis advisory team	94						
						Epidemiological advisory team on onchocerciasis	131	2	2	2	17 013	36 914	40 188
						Ophthalmological advisory team on onchocerciasis	163						
			21 700	22 100	27 300	Trypanosomiasis survey	172	2			9 600		
						Trypanosomiasis course	179	2			30 600		
					30 200	Trypanosomiasis course	180						
1	3		21 700	38 253	109 710			6	2	2	57 213	36 914	40 188
VIRUS DISEASES													
2	3	3	26 368	32 946	39 754	Smallpox eradication	143						
LEPROSY													
						Evaluation team	171			3			48 664
PUBLIC HEALTH ADMINISTRATION													
1	1			33 705	58 674	Advisory services	136						20 000*
						Advisory services in public health planning	183						
	1	1			19 154	Health laboratory services	187						
1	2			33 705	77 828								20 000
VITAL AND HEALTH STATISTICS													
			10 000	7 400	20 000	Assistance to the Economic Commission for Africa	174						

\* Allocated by the UNICEF Executive Board.

AFRICA: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds					
Number of posts			Estimated obligations			Source of funds	Estimated obligations							
1965	1966	1967	1965		1966		1967	1965	1966	1967				
			US \$	US \$	US \$					US \$	US \$	US \$		
<u>Inter-country Programmes (continued)</u>														
NURSING														
4	4	4	44 656	52 722	56 062	Centre for post-basic nursing education (English language)					34 000*	107 000		
			4 209			Department of Nursing, University of Ghana								
1	3			15 289	44 540	Training in public health nursing								
2	4	4	25 134	56 638	56 622	Centre for post-basic nursing education (French language)								
6	9	11	73 999	124 649	157 224						34 000	107 000		
HEALTH EDUCATION														
			4 800			Seminar on health education								
	1				23 122	Advisory services								
	1		4 800		23 122									
MATERNAL AND CHILD HEALTH														
			15 914	15 914	15 914	Makerere College, University of East Africa					47 000*	50 600*	50 000	
			16 000	16 000		Training in paediatrics, Ibadan University						15 000*	48 000	
			13 000			Meeting of professors of paediatrics								
			10 000	10 000	10 000	Fellowships								
			54 914	41 914	25 914						47 000	65 600	98 000	
NUTRITION														
2	2	2	24 277	22 487	21 957	Joint FAO/WHO/CCTA Regional Food and Nutrition Commission for Africa								
4	7	8	31 107	66 009	82 830	Advisory services								
			6 000	5 000	18 000	Seminar on planning and evaluation of applied nutrition in Africa (FAO/WHO)	1	20 000		EPTA		234 000*	154 200	
						Fellowships								
6	9	10	61 384	93 496	122 787		1	20 000				234 000	154 200	
EDUCATION AND TRAINING														
				35 000		Seminar on medical education								
			16 000	16 000		Department of Preventive Medicine, University College of East Africa								
				1 700		Public health teaching								
	2				32 240	Training in epidemiology								
	2		16 000	52 700	32 240									
OTHER ACTIVITIES														
			2 000	2 000	2 000	Medical literature								
36	45	54	754 518	899 538	1 052 575	Total - INTER-COUNTRY PROGRAMMES	14	9 12	244 984	151 301	210 774	101 000	299 600	359 200

\* Allocated by the UNICEF Executive Board.

### THE AMERICAS : SUMMARY

	Regional Office						Field Activities						Total					
	Number of posts			Estimated obligations			Number of posts			Estimated obligations			Number of posts			Estimated obligations		
	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967
				US \$	US \$	US \$				US \$	US \$	US \$				US \$	US \$	US \$
Regular Budget .....	58	58	58	792 548	841 555	867 405	94	97	100	2 518 683	2 950 984	3 283 364	152	155	158	3 311 231	3 792 539	4 150 769
Technical Assistance:																		
Expanded Programme of Technical Assistance							93	90	89	1 211 116	1 345 236	1 483 592	93	90	89	1 211 116	1 345 236	1 483 592
United Nations Special Fund .....							8	6	6	503 254	397 575	213 675	8	6	6	503 254	397 575	213 675
Funds-in-trust .....										69 220						69 220		
Pan American Health Organization:																		
Regular funds .....	180	178	178	2 914 699	3 081 138	3 180 767	179	194	234	4 275 301	4 998 862	5 674 913	359	372	412	7 190 000	8 080 000	8 855 680
Special Malaria Fund .....							99	90	87	1 897 773	1 729 894	2 293 661	99	90	87	1 897 773	1 729 894	2 293 661
Community Water Supply Fund .....							18	18	8	378 943	371 332	227 961	18	18	8	378 943	371 332	227 961
Other funds .....							336	337	331	2 199 865	2 219 095	2 097 961	336	337	331	2 199 865	2 219 095	2 097 961
Other Extra-budgetary Funds .....										6 521 000	7 101 500	1 993 900				6 521 000	7 101 500	1 993 900
	238	236	236	3 707 247	3 922 693	4 048 172	827	832	855	19 575 155	21 114 478	17 269 027	1065	1068	1091	23 282 402	25 037 171	21 317 199
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THE AMERICAS: REGIONAL OFFICE

Regular Budget				Technical Assistance							Other Extra-budgetary Funds			
Number of posts			Estimated obligations			Number of posts			Estimated obligations			Estimated obligations		
1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967
			US \$	US \$	US \$				US \$	US \$	US \$			
<b>TECHNICAL SERVICES</b>														
<u>Communicable Diseases</u>														
						P6	1	1	1		14 530	14 530	PR	
						P5	1	1	1		12 143	12 433	PR	
						P5	1	1	1		12 143	12 433	PR	
						WL5	1	1	1		6 271	6 688	PR	
						WLA	1	1	1		5 596	5 972	PR	
						WLA	1	1	1		5 596	5 972	PR	
						WL3	2	2	2		9 792	10 440	PR	
<u>Environmental Health</u>														
						P5	1	1	1		12 143	12 433	PR	
						P4	1	1	1		10 379	10 639	PR	
						P4	1						PR	
						WL3	2	2	2		9 792	10 440	PR	
<u>Fellowships</u>														
2	2	2		18 295	18 775	P3	1	1	1		8 855	9 065	PR	
1	1	1		7 880	7 880	P3	1	1	1		8 855	9 065	PR	
1	1	1		7 100	7 300	P2								
1	1	1		5 181	5 531	WL6								
1	1	1		6 450	6 625	WL5	3	3	3		18 813	20 064	PR	
						WL5								
1	1	1		5 527	5 847	WL5	1	1	1		6 271	6 688	PR	
1	1	1		4 181	4 451	WLA								
						WLA	3	3	3		15 986	17 084	PR	
						WL3								
<u>Health Promotion</u>														
						P6	1	1	1		14 530	14 530	PR	
						P5	1	1	1		12 143	12 433	PR	
						P5	1	1	1		12 143	12 433	PR	
						P5	1	1	1		12 143	12 433	PR	
						P5	1	1	1		12 143	12 433	PR	
						P4	1	1	1		10 379	10 639	PR	
						WL4	1	1	1		5 596	5 972	PR	
						WL3	4	4	4		19 584	20 880	PR	
<u>Radiation and Isotopes</u>														
						P6	1	1	1		14 530	14 530	PR	
						WLA	1	1	1		5 596	5 972	PR	
<u>Health Statistics</u>														
						P5	1	1	1		12 143	12 433	PR	
						P4	1	1	1		10 379	10 639	PR	
						P3	2	2	2		17 710	18 130	PR	
1	1	1		7 880	7 880	P2	2	2	2		15 510	15 760	PR	
						P1	2	2	2		11 260	11 452	PR	
						P1	1	1	1		6 310	6 310	PR	
1	1	1		6 083	6 283	WL6								
						WL6	1	1	1		7 020	7 491	PR	
1	1	1		4 633	4 953	WLA	2	2	2		11 192	11 944	PR	
						WLA	1	1	1		5 596	5 972	PR	
						WL3	1	1	1		4 896	5 220	PR	

<sup>1</sup> For abbreviations, see page 306.

THE AMERICAS: REGIONAL OFFICE

Regular Budget				Technical Assistance					Other Extra-budgetary Funds			
Number of posts			Estimated obligations			Number of posts			Estimated obligations			Source of funds
1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967	
			US \$	US \$	US \$	US \$			US \$			
<u>Technical Services (continued)</u>												
<u>Malaria Eradication</u>												
						D1	1	1	1	14 530	14 530	PR
						P5	1	1	1	12 143	12 433	PR
						P5	1	1	1	12 143	12 433	PR
<u>Professional Education</u>												
						P5	1	1	1	12 143	12 433	PR
						P4	1	1	1	10 379	10 639	PR
						WL5	1	1	1	6 271	6 688	PR
						WL5	1	1	1	6 271	6 688	PR
						WL4	1	1	1	5 596	5 972	PR
<u>Library</u>												
1	1	1		7 123	7 320	P3	1	1	1	8 855	9 065	PR
						P2						
						WL6	1	1	1	7 020	7 491	PR
						WL5	1	1	1	6 271	6 688	PR
						WL4	1	1	1	4 794	5 140	PR
						WL3	2	2	2	9 792	10 440	PR
<u>Visual Aids</u>												
						P3	1	1	1	8 855	9 065	PR
						P2	1	1	1	7 755	7 880	PR
						P1	1	1	1	6 310	6 310	PR
						WL6	4	4	4	28 080	29 964	PR
ADMINISTRATION AND FINANCE												
<u>Office of the Chief</u>												
						D2	1	1	1	14 530	14 530	PR
						WL5	1	1	1	6 271	6 688	PR
<u>Budget and Finance</u>												
1	1	1		11 019	11 274	P5	1	1	1	12 143	12 433	PR
						P4	1	1	1	10 379	10 639	PR
						P4						
						P3	1	1	1	8 855	9 065	PR
						P3	1	1	1	8 855	9 065	PR
						P3	1	1	1	8 855	9 065	PR
						P2	1	1	1	7 755	7 880	PR
						P2	1	1	1	7 755	7 880	PR
						P2	4	4	4	31 020	31 520	PR
1	1	1		7 268	7 478	P2						
1	1	1		7 050	7 300	WL6	1	1	1	7 020	7 491	PR
2	2	2		12 217	13 017	WL6	2	2	2	14 040	14 982	PR
						WL5	1	1	1	6 271	6 688	PR
3	3	3		18 036	19 010	WL5	3	3	3	18 813	20 064	PR
						WL5	1	1	1	6 271	6 688	PR
4	4	4		20 293	21 413	WL4	2	2	2	11 192	11 944	PR
						WL3	2	2	2	9 792	10 440	PR
						WL3	1	1	1	4 896	5 220	PR

<sup>1</sup> For abbreviations, see page 308.



THE AMERICAS: REGIONAL OFFICE

Regular Budget						Technical Assistance					Other Extra-budgetary Funds			
Number of posts			Estimated obligations			Number of posts			Estimated obligations			Source of funds		
1965	1966	1967	1965			1966	1967	1965	1966	1967	1965		1966	1967
			US \$	US \$	US \$		US \$	US \$	US \$		US \$	US \$	US \$	
<u>Administration and Finance (continued)</u>														
<u>Administrative Management and Personnel</u>														
1	1	1		13 100	13 100									
						P5								
						P4	1	1	1	10 379	10 639	PR		
1	1	1		7 880	8 090	P3								
1	1	1		7 723	7 880	P2								
						P2	1							
2	2	2		12 267	13 067	WL6	1	1	1	7 020	7 491	PR		
						WL5	1	1	1	6 271	6 688	PR		
1	1	1		5 152	5 502	WL5								
3	3	3		14 179	15 139	WLA	2	2	2	11 192	11 944	PR		
1	1	1		5 260	5 580	WLA								
						WL3	1	1	1	4 896	5 220	PR		
<u>General Services</u>														
						P4	1	1	1	10 379	10 639	PR		
1	1	1		7 880	7 880	P2								
						P1	1	1	1	6 310	6 310	PR		
						WL6	2	2	2	14 040	14 982	PR		
						WLA	1	1	1	5 596	5 972	PR		
						WLA	1	1	1	5 596	5 972	PR		
						WLA	1	1	1	5 596	5 972	PR		
						WLA	2	2	2	9 792	10 440	PR		
						WLA	1	1	1	5 596	5 972	PR		
						WLA	1	1	1	5 596	5 972	PR		
						WLA	1	1	1	5 596	5 972	PR		
1	1	1		5 900	6 060	WLA								
1	1	1		5 900	6 060	WLA								
						WL3	1	1	1	4 896	5 220	PR		
						WL3	1	1	1	4 896	5 220	PR		
1	1	1		5 250	5 385	WL3								
						WL3	1	1	1	4 896	5 220	PR		
1	1	1		4 270	4 510	WL2	1	1	1	4 646	4 945	PR		
						WL2	1	1	1	4 646	4 945	PR		
<u>Supply Office</u>														
1	1	1		9 280	9 512	P3	1	1	1	8 855	9 065	PR		
2	2	2		12 620	12 620	P1								
						P1	1	1	1	6 310	6 310	PR		
						WL5	1	1	1	6 271	6 688	PR		
						WL5	1	1	1	6 271	6 688	PR		
1	1	1		5 900	6 060	WLA								
2	2	2		10 267	10 907	WLA	2	2	2	11 192	11 944	PR		
CONFERENCE AND TRANSLATION														
<u>Conference Services</u>														
						P3	1	1	1	8 855	9 065	PR		
						P1	1	1	1	6 310	6 310	PR		
						WL5	2	2	2	6 271	6 688	PR		
						WL4	1	1	1	5 596	5 972	PR		
						WL3	1	1	1	4 896	5 220	PR		

<sup>1</sup> For abbreviations, see page 308.

THE AMERICAS: REGIONAL OFFICE

Regular Budget					Technical Assistance					Other Extra-budgetary Funds							
Number of posts			Estimated obligations			Number of posts	Estimated obligations			Source of funds <sup>1</sup>	Estimated obligations						
1965	1966	1967	1965		1966		1967	1965	1966		1967	1965	1966	1967			
			US\$	US\$	US\$				US\$	US\$	US\$						
<u>Conference and Translation (continued)</u>																	
<u>Translation</u>																	
3	3	3		28 407	29 074												
1	1	1		8 545	8 755		P4	1	1	1		10 379	10 639	PR			
							P3	2	2	2		17 710	18 130	PR			
<u>Stenographic Pool</u>																	
1	1	1		5 720	6 070		WL5										
							WLA	1	1	1		5 596	5 972	PR			
							WL3	2	2	2		9 792	10 440	PR			
EDITORIAL SERVICES AND PUBLICATIONS <sup>2</sup>																	
							P4	1	1	1		10 379	10 639	PR			
1	1	1		9 678	9 870		P3	1	1	1		8 855	9 065	PR			
							P2	3	3	3		23 265	23 640	PR			
							P1	2	2	2		12 620	12 620	PR			
							WL6	1	1	1		7 020	7 491	PR			
							WL5	1	1	1		6 271	6 688	PR			
							WLA	2	2	2		11 192	11 944	PR			
1	1	1		5 900	6 060		WLA	1	1	1		6 271	6 688	PR			
							WLA	1	1	1		5 596	5 972	PR			
58	58	58		378 791	397 505	410 579	Total established posts					180	178	178	1 289 713	1 327 378	1 379 352
<u>Temporary staff</u>																	
			7 700	7 700	7 700						35 000	35 000	65 000				
<u>Travel</u>																	
			17 000	14 650	14 650	Duty					77 635	77 635	77 635				
<u>Other costs</u>																	
			29 791	31 791	31 791	Public information supplies and materials					28 705	29 705	29 705				
						Library acquisitions and binding					6 400	10 000	10 000				
<u>Common services</u>																	
			73 626	82 324	84 871	Space and equipment services					123 310	171 690	177 000				
			53 867	44 642	47 410	Other services					112 690	93 810	99 710				
			21 218	22 632	22 632	Supplies and materials					44 250	47 200	47 200				
			5 658	5 658	5 658	Fixed charges and claims					11 800	11 800	11 800				
			10 350	10 350	10 350	Acquisition of capital assets					15 000	15 000	24 042				
			194 547	224 303	231 764	<u>Other statutory staff costs</u>					649 143	730 864	754 621				

<sup>1</sup> For abbreviations, see page 308.

<sup>2</sup> This unit is shown under "Field and Other Programmes" in the PAHO budget, but in order to follow the pattern of the WHO budget is here shown under the Regional Office.

THE AMERICAS: REGIONAL OFFICE

Regular Budget					Technical Assistance				Source of funds	Other Extra-budgetary Funds			
Number of posts			Estimated obligations		Number of posts			Estimated obligations		Estimated obligations			
1965	1966	1967			1965	1966	1967			1965	1966	1967	
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$	
				<u>Add: Special items related to PAHO budget estimates</u>									
				Meetings of the Pan American Sanitary Conference and of the Directing Council				66 973	101 976	69 622			
				Meetings of the Executive Committee				19 080	19 080	19 080			
				Publications of PAHO:									
				PASB Bulletin				50 000	50 000	50 000			
				Statistical publications and reports				10 000	10 000	10 000			
				Special publications				45 000	45 000	51 000			
				Increase to Working Capital Fund				325 000	300 000	300 000			
				Audit costs				5 000	5 000	5 000			
58	58	58		Total - REGIONAL OFFICE	180 178	178	2 914 699	3 081 138	3 180 767				
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THE AMERICAS: SUMMARY OF FIELD ACTIVITIES

Regular Budget					Technical Assistance				Source of funds	Other Extra-budgetary Funds					
Number of posts			Estimated obligations			Estimated obligations									
1965	1966	1967	1965		1966	1967	1965	1966		1967					
			US \$	US \$	US \$				US \$	US \$	US \$				
17	21	25	249 209	430 930	445 730	Malaria	101	92	89	1 967 899	1 799 597	2 372 103	3 395 000	3 654 000	
3	3	4	57 301	79 872	87 510	Tuberculosis	2	2	2	37 969	50 467	44 309	97 000		
2	1	1	65 146	18 712	20 684	Venereal diseases and treponematoses	2	2	2	42 730	42 249	56 444			
3	3	3	46 948	59 941	72 952	Bacterial diseases	1	1	2	15 796	22 576	51 365			
2	2	2	41 196	41 622	43 068	Parasitic diseases	1	1	1	42 800	53 895	46 764			
			10 350		44 100	Virus diseases	6	6	6	115 991	118 261	117 353			
3	2	2	63 399	47 532	128 445	Leprosy	1	1	1	52 096	17 240	34 056	3 500		
1	1	1	37 628	85 022	136 919	Veterinary public health	168	174	169	820 529	1 085 627	1 108 383			
27	28	28	834 841	909 265	980 551	Public health administration	143	138	154	2 554 486	2 820 151	3 133 163	2 544 500	2 750 000	310 000
6	6	6	162 163	220 232	201 513	Vital and health statistics	10	10	5	225 675	253 315	185 568			
			18 600	20 500	30 700	Dental health	1	1	1	102 702	128 917	63 955			
11	10	10	232 760	214 227	207 615	Nursing	25	27	30	401 149	506 455	554 915	113 000	64 000	325 000
1	2	2	23 361	37 219	31 092	Social and occupational health	5	7	7	303 215	152 699	119 011	8 000	6 500	6 500
				10 000		Chronic and degenerative diseases	1	2		33 777	14 800	42 534			
3	3	3	58 540	58 769	62 023	Health education				1 700	9 800	8 400		38 000	
2	2	2	66 196	85 522	73 668	Maternal and child health	2	2	3	131 110	74 684	101 045	298 000	169 000	44 000
			21 100	10 000	36 780	Mental health	4	3	2	107 835	75 417	74 219			
4	4	3	106 663	140 642	183 645	Nutrition	179	181	188	1 419 025	1 574 020	1 696 241	62 000	151 000	211 400
			4 300	32 050	43 347	Radiation and isotopes	1	1	1	37 840	32 287	26 720			
3	3	3	116 225	135 979	130 442	Environmental health	75	77	79	1 644 328	1 797 275	1 749 787		269 000	1 097 000
6	6	5	302 757	312 948	322 580	Education and training	6	9	11	438 370	402 712	375 878			
						Other activities				38 450	29 550	29 550			
94	97	100	2 518 683	2 950 984	3 283 364	TOTAL	733	735	755	10 535 472	11 061 994	11 991 763	6 521 000	7 101 500	1 993 900

THE AMERICAS: REGIONAL ADVISERS

(For text, see page 130)

Regular Budget						Technical Assistance				Other Extra-budgetary Funds			
Number of posts		Estimated obligations				Number of posts	Estimated obligations			Source of funds	Estimated obligations		
1965	1966	1967	1965				1966	1967	1965		1966	1967	
		US\$	US\$	US\$		US\$	US\$	US\$		US\$	US\$	US\$	
Regional advisers in:													
1	1	1		11 150	11 400	Communicable diseases			P5				
2	2	2		18 720	19 172	Communicable diseases			P4				
1	1	1		12 979	13 100	Public health administration			P5				
1	1	1		9 567	9 793	Vital and health statistics			P4				
1	1	1		9 380	9 600	Nursing			P4				
1	1	1		9 097	9 360	Health education			P4				
1	1	1		11 420	11 420	Maternal and child health			P4				
1	1	1		14 530	14 530	Environmental health			P6				
1	1	1		11 781	12 095	Education and training (fellowships)			P5				
1	1	1		11 253	11 500	Education and training (professional education)			P5				
<u>Malaria Eradication</u>													
1	1	1		11 950	12 240	Epidemiologist			P5				
	1	1		10 650	10 910	Research officer			P5				
1	1	1		9 585	9 813	Programme officer			P4				
1	1	1		6 310	6 310	Operations analyst			P1				
<u>Clerical and Stenographic Pool</u>													
3	3	3		18 888	19 690	Administrative assistants			WL5				
1	1	1		5 152	5 502	Placement clerk			WL6				
3	3	3		14 807	15 607	Secretaries			WLA				
3	3	3		14 926	15 886	Clerk-stenographers			WLA				
1	1	1		4 780	5 100	Clerk			WLA				
1	1	1		4 395	4 665	Clerk			WL3				
26	27	27		216 363	221 320	Total established posts							
<u>Travel</u>													
				62 078	49 379	Duty							
<u>Common services</u>													
				30 964	36 986	Space and equipment services							
				25 943	22 048	Other services							
				9 532	10 168	Supplies and materials							
				2 542	2 542	Fixed charges and claims							
				4 650	4 650	Acquisition of capital assets							
				119 820	134 357	Other statutory staff costs							
26	27	27		471 892	481 450	Total - REGIONAL ADVISERS							

THE AMERICAS : ZONE OFFICES

(For text, see page 130)

Regular Budget					Technical Assistance					Other Extra-budgetary Funds			
Number of posts		Estimated obligations			Number of posts		Estimated obligations			Estimated obligations			
1965	1966	1967	1965		1966	1967	1965	1966	1967	Source of funds <sup>1</sup>	1965	1966	1967
		US\$	US\$	US\$			US\$	US\$	US\$		US\$	US\$	US\$
<b>CARACAS ZONE OFFICE</b>													
					D1	1	1	1		13 760	14 140		PR
					P5	1	1	1		11 836	12 126		PR
					CL6	1	1	1		7 342	7 659		PR
					CL5	1	1	1		6 572	6 678		PR
					CL5	1	1	1		4 980	5 216		PR
					CL3	1	1	1		3 423	3 564		PR
					CL1	1	1	1		1 284	1 284		PR
						7	7	7		47 534	49 197	50 667	
<b>Total established posts</b>													
<u>Travel</u>													
Duty													
										9 690	9 690	9 690	
<u>Common services</u>													
		199	213	213						1 625	1 260	1 260	
		795	853	853						8 630	9 135	9 135	
		292	313	313						1 365	2 070	2 070	
		40	43	43						313	333	333	
										637			
										21 165	22 459	22 901	
		1 326	1 422	1 422						90 959	94 144	96 056	
<b>Total - Caracas Zone Office</b>													
<b>MEXICO ZONE OFFICE</b>													
	1	1	1		D1	1	1	1		13 760	14 140		PR
			12 883	13 100	P5					4 997	5 172		PR
					ML8	1	1	1		4 527	4 662		PR
					ML7	2	2	2		5 276	5 518		PR
					ML5	1	1	1		2 485	2 605		PR
					ML3	1	1	1		2 365	2 565		PR
					ML1	1	1	1		1 943	2 043		PR
	1	1	1			8	8	8		33 961	35 353	36 705	
<b>Total established posts</b>													
<u>Travel</u>													
Duty													
		2 645	2 860	2 860						2 860	2 860	2 860	PR
<u>Common services</u>													
		415	315	322						8 472	9 000	9 450	PR
		1 661	1 260	1 290						8 115	7 425	7 425	PR
		610	462	473						4 471	2 070	2 070	PR
		83	63	65						405	405	405	PR
		6 088	8 110	7 002						12 084	12 195	11 960	
	1	1	1			8	8	8		70 368	69 308	70 875	
<b>Total - Mexico Zone Office</b>													

<sup>1</sup> For abbreviations, see page 308.



THE AMERICAS: ZONE OFFICES

Regular Budget				Technical Assistance							Other Extra-budgetary Funds			
Number of posts			Estimated obligations			Number of posts			Estimated obligations			Estimated obligations		
1965	1966	1967	1965	1966	1967	1965	1966	1967	Source of funds <sup>1</sup>	1965	1966	1967		
US \$	US \$	US \$	US \$	US \$	US \$	US \$	US \$	US \$		US \$	US \$	US \$		
<b>RIO DE JANEIRO ZONE OFFICE</b>														
						D1	1	1	1		13 760	14 140	PR	
						RLB	1	1	1		2 931	3 031	PR	
						RL6	2	2	2		5 633	5 792	PR	
						RL2	1	1	1		858	842	PR	
						RL2	1	1	1		998	1 078	PR	
							6	6	6		23 244	24 180	24 883	
<u>Travel</u>														
											2 500	2 500	2 500	PR
<u>Common services</u>														
	217	229	217				1 953	2 065	1 953				PR	
	868	914	868				7 955	8 226	7 955				PR	
	318	335	318				2 862	3 015	2 862				PR	
	44	46	44				400	414	400				PR	
								3 150						
							10 369	10 836	11 150					
	1 447	1 524	1 447				6	6	6		49 283	54 386	51 703	
<b>BUENOS AIRES ZONE OFFICE</b>														
						D1	1	1	1		13 760	14 140	PR	
						P5	1	1	1		11 836	12 126	PR	
						BAL7	1	1	1		3 975	4 055	PR	
						BAL6	2	2	2		6 955	7 115	PR	
						BAL5	2	2	2		5 510	5 670	PR	
						BAL5	1	1	1		2 638	2 718	PR	
						BAL3	1	1	1		1 938	2 018	PR	
						BAL3	1	1	1		1 784	1 864	PR	
							10	10	10		47 046	48 396	49 706	
<u>Travel</u>														
											6 000	6 000	6 000	PR
<u>Common services</u>														
	435	498	500				3 915	6 300	6 300				PR	
	1 740	1 990	2 002				15 660	20 295	20 457				PR	
	638	730	734				5 742	3 275	3 280				PR	
	87	99	100				783	292	293				PR	
							14 300						PR	
							21 249	22 241	22 643					
	2 900	3 317	3 336				10	10	10		114 695	106 799	108 679	

<sup>1</sup> For abbreviations, see page 308.





THE AMERICAS: COUNTRY SCHEDULES

Regular Budget					Project No.	Technical Assistance				Source of funds <sup>1</sup>	Other Extra-budgetary Funds				
Number of posts			Estimated obligations			Estimated obligations									
1965	1966	1967	1965			1966	1967	1965	1966		1967				
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$			
<b>ARGENTINA</b>															
(For text, see page 130)															
<b>MALARIA</b>															
				Eradication programme	0200	2	2	2	29 149	36 155	34 316	PM	172 000*	4 000*	
<b>TUBERCULOSIS</b>															
	9 600	10 200	10 200	Tuberculosis control	0400				3 400	2 800	2 800	PR			
<b>LEPROSY</b>															
	3 250	2 800	2 800	Leprosy control	0500										
<b>VETERINARY PUBLIC HEALTH</b>															
			6 800	Rabies control	0701										
<b>PUBLIC HEALTH ADMINISTRATION</b>															
		9 600	9 600	National health services	3100	1	1		6 600	24 440	27 156	PR			
				Health services - Tucumán	3102	3	3	3	41 716	48 944	60 108	EPTA	163 000*		
				- San Juan and Mendoza	3104	4	3	3	73 513	60 521	61 130	PR			
	12 400	13 500	15 200	Research in public health	3107				8 500	7 900		PR			
	8 600	11 900	11 900	National Institute of Microbiology	3301										
				Medical care services	4800	1	1		12 500	29 505	31 590	PR			
				Fellowships	3101				10 300	10 500	10 500	PR			
	21 000	35 000	36 700	Fellowships	3103										
						7	8	8	144 629	182 410	198 384		163 000		
<b>VITAL AND HEALTH STATISTICS</b>															
	9 900			Health statistics	3500					8 700	17 700	PR			
				Training of statistical personnel	6700					13 300	14 900	PR			
	9 900									22 000	32 600				
<b>NURSING</b>															
				Nursing education	6300	2	2	2	14 400	8 500	8 500	PR			
				Training of nursing personnel	6301	1	1	1	20 982	24 441	26 214	EPTA			
						3	3	3	29 256	20 595	20 890	PR			
						3	3	3	64 638	53 536	55 604				
<b>SOCIAL AND OCCUPATIONAL HEALTH</b>															
				Rehabilitation	4801			2			26 955	EPTA			

\* Allocated by the UNICEF Executive Board.  
<sup>1</sup> For abbreviations, see page 308.

## THE AMERICAS: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds				
Number of posts		Estimated obligations			Number of posts		Estimated obligations		Estimated obligations				
1965	1966	1967	1965		1966	1967	1965	1966	1967	Source of funds <sup>1</sup>	1965	1966	1967
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$	
<b>Argentina (continued)</b>													
MATERNAL AND CHILD HEALTH													
				4100									
				4101		9 286	9 900		PR	43 000*	51 000*		
		13 300		4102	1			29 105	PR				
		13 300			1	9 286	9 900	29 105		43 000	51 000		
MENTAL HEALTH													
				4300		9 100	3 400	5 100	PR				
				4301		12 500	3 750		PG				
						21 600	7 150	5 100					
ENVIRONMENTAL HEALTH													
				2200	1	1	1	19 096	PW				
				6400				6 400	PR				
					1	1	1	25 496					
								43 968					
								44 320					
EDUCATION AND TRAINING													
1	33 030	33 500	23 500	6100									
	17 300	13 000	16 500	6200									
1	50 330	46 500	40 000										
1	94 080	107 800	96 500		13	14	17	298 198		378 000	55 000		
<u>Total - ARGENTINA</u>													
<u>Total Estimated Government Contribution</u>											(20 230 000)	(22 430 000)	(22 630 000)
<b>BARBADOS</b>													
(For text, see page 133)													
PUBLIC HEALTH ADMINISTRATION													
				4801	1	1	1	4 842	EPTA				
								16 255					
								17 924					
NURSING													
				6300			1		PR		15 000*		
								11 805					
ENVIRONMENTAL HEALTH													
				2200	1	1	1	22 413	EPTA				
								22 329					
								23 453					
<u>Total - BARBADOS</u>											15 000		
<u>Total Estimated Government Contribution</u>											(100 000)	(100 000)	(100 000)

\* Allocated by the UNICEF Executive Board.  
<sup>1</sup> For abbreviations, see page 308.

THE AMERICAS: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance						Other Extra-budgetary Funds			
Number of posts		Estimated obligations			Number of posts		Estimated obligations			Estimated obligations				
1965	1966	1967	1965		1966	1967	1965	1966	1967	Source of funds <sup>1</sup>	1965	1966	1967	
		US\$	US\$	US\$			US\$	US\$	US\$		US\$	US\$	US\$	
<b>BOLIVIA</b>														
(For text, see page 133)														
<b>MALARIA</b>														
				Eradication programme	0200	4	4	4	64 054	71 744	73 137	PM	30 000*	
<b>TUBERCULOSIS</b>														
				Tuberculosis control	0400					3 500		PR		
<b>VIRUS DISEASES</b>														
				Smallpox vaccination	0300	1	1	1	13 653	12 147	14 603	EPTA		
<b>PUBLIC HEALTH ADMINISTRATION</b>														
1	1	1	13 464	15 408	16 412	National health services	3100	2	1	1	48 445	28 438	30 890	PR
			4 300	3 500	3 500	National plan for rural development Fellowships	3101	1	1	1	13 869	17 586	16 346	EPTA
1	1	1	17 764	18 908	19 912		3102	3	2	2	62 314	46 024	47 236	
<b>NUTRITION</b>														
				Nutrition programme	4201				8 322			PR		
<b>ENVIRONMENTAL HEALTH</b>														
				Water supplies	2200				4 730	3 400	3 400	PW		
1	1	1	17 764	18 908	19 912	Total - BOLIVIA	8	7	7	153 073	136 815	138 376	30 000	
											(530 000)	(460 000)	(360 000)	
<b>BRAZIL</b>														
(For text, see page 134)														
<b>MALARIA</b>														
			12 000	70 278	13 350	Eradication programme	0200	14	13	13	334 785	241 549	435 814	PM
						Eradication programme, São Paulo	0201	1	1	1	16 815	18 384	19 166	PM
						Training centre for malaria eradication, São Paulo	0202				5 000	5 000	25 000	PM
			12 000	70 278	13 350		15	14	14	356 600	264 933	479 980		
<b>PARASITIC DISEASES</b>														
						Bilharziasis	0900				2 700	10 200	10 200	PR

\* Allocated by the UNICEF Executive Board.

<sup>1</sup> For abbreviations, see page 308.

THE AMERICAS: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance						Other Extra-budgetary Funds		
Number of posts			Estimated obligations		Number of posts			Estimated obligations	Source of funds	Estimated obligations			
1965	1966	1967			1965	1966	1967			1965	1966	1967	
			US \$	US \$	US \$				US \$	US \$	US \$		
<u>Brazil</u> (continued)													
VIRUS DISEASES													
Smallpox eradication													
			2 000			2 000							
National virus laboratory services													
Yellow fever laboratory													
			2 000			2 000							
VETERINARY PUBLIC HEALTH													
Rabies control													
			6 800	10 200		8 800							
Veterinary medicine education													
			6 800	10 200		8 800							
PUBLIC HEALTH ADMINISTRATION													
Epidemiology													
National health planning													
Health services - North-eastern states													
3	3	3	56 134	58 027		64 744							
			3 200										
- São Paulo													
National food and drug services													
			7 440	10 500		10 500							
Medical care services													
Fellowships													
3	3	3	66 774	68 527		75 244							
VITAL AND HEALTH STATISTICS													
Health statistics													
1	1	1	16 707	51 536		41 521							
DENTAL HEALTH													
Dental health education													
NURSING													
Nursing													
1	1	1	32 235	20 793		19 493						325 000	
Nursing education, Recife													
Training of nursing auxiliaries													
Nursing education, Fortaleza													
1	1	1	32 235	20 793		19 493							
SOCIAL AND OCCUPATIONAL HEALTH													
Rehabilitation													
			6 400	5 100									
Training in orthopaedic brace making													
			6 400	5 100									
MATERNAL AND CHILD HEALTH													
Paediatric education, Recife													

\* Allocated by the UNICEF Executive Board.

<sup>1</sup> For abbreviations, see page 308.



THE AMERICAS: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations		Number of posts			Estimated obligations	Estimated obligations			
1965	1966	1967			1965	1966	1967		1965	1966	1967	
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<b>BRITISH HONDURAS</b>												
(For text, see page 137)												
MALARIA												
				Eradication programme	0200		500	500	500	PM		
PUBLIC HEALTH ADMINISTRATION												
1	1	1	22 078	Health services	3100							23 000*
			30 319	Fellowships	3101		4 300	12 600	12 600	PR		310 000
1	1	1	22 078				4 300	12 600	12 600			333 000
			30 319									
1	1	1	13 070	Nursing education	6300							
			17 528									
			16 216									
ENVIRONMENTAL HEALTH												
				Water supplies	2200		3 200	3 400	3 400	PW		
2	2	2	35 148				8 000	16 500	16 500			333 000
			47 847									(127 378)
			48 917									(147 628)
Total - BRITISH HONDURAS												
<u>Total Estimated Government Contribution</u>												
(167 428)												
<b>CANADA</b>												
(For text, see page 137)												
PUBLIC HEALTH ADMINISTRATION												
			3 200	Consultants in specialized fields of public health	3100							
			10 000	Fellowships	3101							
			13 200									
			13 400									
			13 400									
Total - CANADA												
<b>CHILE</b>												
(For text, see page 138)												
TUBERCULOSIS												
				Tuberculosis control	0400		6 600	6 800	3 500	PR		42 000*

\* Allocated by the UNICEF Executive Board.  
 1 For abbreviations, see page 308.

THE AMERICAS: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts		Estimated obligations			Number of posts		Estimated obligations		Estimated obligations			
1965	1966	1967	1965		1966	1967	Source of funds <sup>1</sup>	1965	1966	1967		
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<u>Chile (continued)</u>												
VENEREAL DISEASES AND TREPONEMATOSES												
				Venereal disease control	0600	9 800	8 600	6 900	PR			
VETERINARY PUBLIC HEALTH												
		8 500		Veterinary medicine education	6500			8 500	PR			
PUBLIC HEALTH ADMINISTRATION												
			7 000	Health services	3100	{ 1 1 1	24 040	27 301	28 852	PR	64 000*	310 000
	4 900	6 500	6 500	Microbiology centre	3301	{ 1 1	9 600	14 400		EPTA		
	4 300	3 500	3 500	Fellowships	3101							
				Fellowships	3102		8 600	8 400	10 500	PR		
	9 200	10 000	17 000			2 2 1	42 240	50 101	39 352		64 000	310 000
DENTAL HEALTH												
	10 200	7 800	9 500	Dental education	6600							
NURSING												
1	29 343			National planning for nursing	3200						56 000*	
SOCIAL AND OCCUPATIONAL HEALTH												
				Institute of Occupational Health	4601	1	176 489	22 000	10 000	UNSP		
				Rehabilitation centre	4801	2 1	37 954	12 046		EPTA		
						3 1	214 443	34 046	10 000			
CHRONIC AND DEGENERATIVE DISEASES												
		10 000		Cancer	4802		8 200	6 200	16 200	PR		
HEALTH EDUCATION												
				Health teaching in schools	3400		1 700	6 300	4 900	PR		
MENTAL HEALTH												
		10 000		Mental health	4300				10 000	PR		
NUTRITION												
	6 000	8 300	10 000	Nutrition	4200						16 000	
RADIATION AND ISOTOPES												
				Training in the medical use of radioisotopes	6201		1 600	1 600	1 600	PR		

\* Allocated by the UNICEF Executive Board.

<sup>1</sup> For abbreviations, see page 308.



THE AMERICAS: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds				
Number of posts			Estimated obligations		Number of posts			Estimated obligations	Estimated obligations				
1965	1966	1967			1965	1966	1967		1965	1966	1967		
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$	
<b>Chile (continued)</b>													
ENVIRONMENTAL HEALTH													
		32 300	27 400	2200		3 200	3 400	3 400	PW				
		32 300	27 400	6400		3 200	3 400	3 400					
EDUCATION AND TRAINING													
	13 400	11 000	11 000	6100									
	13 400	11 000	11 000	6200		12 800	11 900	11 900	PR				
1	68 143	97 900	74 900		5	3	1	300 583	128 947	116 252	162 000	16 000	310 000
<u>Total - CHILE</u>													
<u>Total Estimated Government Contribution</u>											(266 717)	(266 413)	(266 413)
<b>COLOMBIA</b>													
(For text, see page 139)													
MALARIA													
				0200	12	12	12	208 304	214 746	212 627	PM	252 000*	349 000*
LEPROSY													
				0500				1 700	1 400	1 400	PR		
PUBLIC HEALTH ADMINISTRATION													
		10 000		3100	1	1	1	13 500	17 100	27 300	PR	375 000*	138 000*
				3301	7	6	6	78 784	72 716	75 540	EPTA		
				3101				38 000	38 800	38 800	PR		
				3102				16 300	25 200	23 800	PR		
	31 605	7 000	7 000		8	7	7	146 584	153 816	165 440		375 000	138 000
	31 605	17 000	7 000										
DENTAL HEALTH													
				6600				9 900	11 400	7 900	PR		
NUTRITION													
				4200				4 700	9 300	4 400	PR		
ENVIRONMENTAL HEALTH													
				2200	1	1	1	21 136	22 208	22 560	PW		
				2300	1	1	1	12 760	13 452	13 730	PR		
				6400				9 600	9 600	9 600	PR		
					2	2	2	33 896	45 260	45 890			

\* Allocated by the UNICEF Executive Board.

<sup>1</sup> For abbreviations, see page 308.



THE AMERICAS: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations		Number of posts			Estimated obligations	Source of funds <sup>1</sup>	Estimated obligations		
1965	1966	1967			1965	1966	1967			1965	1966	1967
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<b>CUBA</b>												
(For text, see page 141)												
<b>MALARIA</b>												
4	3	3	64 1,3	65 844	62 329	Eradication programme	0200				125 000*	
<b>PUBLIC HEALTH ADMINISTRATION</b>												
				32 500	33 500	Public health services	3100	4 4 4	55 589	1 000 64 411	64 203	PR EPTA
			14 600	11 900	15 400	Fellowships	3101	4 4 4	55 589	65 411	64 203	
			14 600	44 400	48 900							
<b>NURSING</b>												
						Nursing education	6300	1 1 1	11 087	15 113	13 837	EPTA
<b>NUTRITION</b>												
						Nutrition	4200	1 1 1	8 473	14 312	17 284	EPTA
<b>ENVIRONMENTAL HEALTH</b>												
			2 511			Water supplies	2200			5 100	5 100	PR
			2 511			<u>Aedes aegypti</u> eradication	2300	5 4 4	89 796	85 103	86 300	PR
								5 4 4	89 796	90 203	91 400	
4	3	3	81 304	110 244	111 229	Total - CUBA		11 10 10	164 945	185 039	186 724	125 000
										(5 365 727) (5 365 727) (4 615 727)		
<u>Total Estimated Government Contribution</u>												
<b>DOMINICAN REPUBLIC</b>												
(For text, see page 142)												
<b>MALARIA</b>												
						Eradication programme	0200	7 5 4	124 619	102 219	84 727	PM
<b>TUBERCULOSIS</b>												
						Tuberculosis control	0400	1 1 1	12 789	17 211	16 031	EPTA
<b>VENEREAL DISEASES AND TREPONEMATOSIS</b>												
						Yaws eradication	0600	1 1 1	12 580	17 556	18 278	PR

\* Allocated by the UNICEF Executive Board.

<sup>1</sup> For abbreviations, see page 308.

THE AMERICAS: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds				
Number of posts			Estimated obligations		Number of posts			Source of funds <sup>1</sup>	Estimated obligations				
1965	1966	1967			1965	1966	1967		1965	1966	1967		
			US \$	US \$	US \$								
<b>Dominican Republic (continued)</b>													
PUBLIC HEALTH ADMINISTRATION													
1	1	1	8 300	15 456	24 371	Public health services	3100	{ 4 2 3 1 1 1	75 551 11 096	65 196 13 904	72 647 14 584	PR EPTA	39 000*
1	1	1	8 300	15 456	24 371			5 3 4	86 647	79 100	87 231		39 000
DENTAL HEALTH													
			3 200		3 400	Dental education	6600						
NURSING													
1	1	1	25 984	32 052	30 772	Nursing education	6300						
NUTRITION													
1	1		13 245	23 393		Nutrition	4200				21 740	PR	
ENVIRONMENTAL HEALTH													
						Water supplies	2200	{ 1 1 1		17 656	18 278	PR PW PR	
						<u>Aedes aegypti</u> eradication	2300	1 1 2	12 580	16 056	25 653		
								2 2 3	29 631	33 712	43 931		
EDUCATION AND TRAINING													
			8 600		10 200	Medical education	6200						
3	3	2	59 329	70 901	68 743	Total - DOMINICAN REPUBLIC		16 12 14	266 266	249 798	271 938		191 000 254 000
						<u>Total Estimated Government Contribution</u>							(1 684 000) (1 500 000) (1 350 000)
<b>ECUADOR</b>													
(For text, see page 143)													
MALARIA													
						Eradication programme	0200	{ 1 1 1 6 5 4	20 727 101 856	19 491 96 722	21 870 74 324	EPTA PM	80 000* 192 000*
								7 6 5	122 583	116 213	96 194		80 000 192 000
BACTERIAL DISEASES													
						Plague control	0900	{ 1 1 1	2 796	14 076	16 065 6 800	EPTA PR	
								1 1 1	2 796	14 076	22 865		

\* Allocated by the UNICEF Executive Board.

<sup>1</sup> For abbreviations, see page 308.

THE AMERICAS: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance						Other Extra-budgetary Funds		
Number of posts			Estimated obligations			Number of posts			Estimated obligations				
1965	1966	1967	1965		1966	1967	1965	1966	1967	Source of funds <sup>1</sup>	1965	1966	1967
			US\$	US\$	US\$						US\$	US\$	US\$
<b>Ecuador (continued)</b>													
<b>LEPROSY</b>													
						0500							3 500*
<b>PUBLIC HEALTH ADMINISTRATION</b>													
5	5	5	90 300	75 126	81 201	3100	{ 1 1 1	19 700	32 805	32 093	PR		
							{ 1 1 1	18 577	19 425	19 817	EPTA		
						3102	1 1 1	14 440	27 426	28 127	PR	21 500*	
						3301		15 600	13 000	13 000	PR		
						3101		14 600	23 800	19 600	PR		
5	5	5	90 300	75 126	81 201		2 3 3	82 917	116 456	112 637		21 500	
<b>NURSING</b>													
1	1	1	13 026	11 136	11 955	6300		10 300	7 000	7 000	PR		
<b>NUTRITION</b>													
						4200		8 000		14 700	PR		32 000*
													40 000
<b>ENVIRONMENTAL HEALTH</b>													
						2200	{	4 800			PW		
									5 100	5 100	PR		
								4 800	5 100	5 100			
6	6	6	103 326	86 262	93 156		10 10 9	231 396	258 845	258 496		105 000	224 000
													40 000
<b>Total - ECUADOR</b>													
<b>Total Estimated Government Contribution</b>													
<b>EL SALVADOR</b>													
(For text, see page 144)													
<b>MALARIA</b>													
5	5	5	71 886	94 182	93 245	0200	2 1 1	57 993	33 539	33 787	PM	153 000*	59 000*
<b>PUBLIC HEALTH ADMINISTRATION</b>													
						3100	{ 2 1 1	36 090	38 701	39 452	PR	128 000*	
							{ 2 1 1	31 478	15 513	35 916	EPTA		
			4 300	3 500	3 500	3101							
						3102		4 300			PR		
			4 300	3 500	3 500		4 2 2	71 868	54 214	75 368		128 000	

\* Allocated by the UNICEF Executive Board.  
<sup>1</sup> For abbreviations, see page 308.

THE AMERICAS: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance						Other Extra-budgetary Funds				
Number of posts			Estimated obligations			Number of posts			Estimated obligations			Source of funds			
1965	1966	1967	1965		1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967
	US\$	US\$	US\$			US\$	US\$	US\$				US\$	US\$	US\$	
<b>El Salvador (continued)</b>															
ENVIRONMENTAL HEALTH															
Water supplies															
				2200	{ 1 1 1	17 896	18 768								
						13 000									
						30 896	18 768	19 120							
5	5	5	76 186	97 682	96 745	7	4	4	160 757	106 521	128 275	281 000	59 000		
<u>Total - EL SALVADOR</u>												<u>(21 004 880) (21 002 880) (22 502 880)</u>			
<u>Total Estimated Government Contribution</u>															
<b>FRENCH ANTILLES AND GUIANA</b>															
(For text, see page 145)															
MALARIA															
Eradication programme															
				0200	1	13 263	2 000	2 000							
PUBLIC HEALTH ADMINISTRATION															
Fellowships															
				3101		1 800	1 800	3 600							
				3102		4 300	4 900	3 500							
						6 100	6 700	7 100							
ENVIRONMENTAL HEALTH															
Aedes aegypti eradication															
				2300	1 1 1	6 251	9 665	11 513							
<u>Total - FRENCH ANTILLES AND GUIANA</u>												<u>(96 000) (96 000) (96 000)</u>			
<u>Total Estimated Government Contribution</u>															
<b>GUATEMALA</b>															
(For text, see page 145)															
MALARIA															
Eradication programme															
				0200	3 3 3	67 731	64 683	60 242				407 000*	181 000*		
VETERINARY PUBLIC HEALTH															
Veterinary medicine education															
				6500		7 800	8 600	7 200							

\* Allocated by the UNICEF Executive Board.  
 1 For abbreviations, see page 308.

THE AMERICAS: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance						Other Extra-budgetary Funds										
Number of posts			Estimated obligations			Number of posts			Estimated obligations			Source of funds <sup>1</sup>									
1965	1966	1967	1965		1966	1967	1965	1966	1967	1965	1966		1967								
			US\$	US\$	US\$	Guatemala (continued)						US\$	US\$	US\$							
PUBLIC HEALTH ADMINISTRATION																					
3	3	3	53 512	58 681	59 468	National health services	3100						PR	64 000*							
						Public health laboratories	3300	{	1	1	1	12 800	10 500	9 800							
												18 804	23 196	21 980							
												16 865									
3	3	3	53 512	58 681	59 468							48 469	33 696	31 780		64 000					
						ENVIRONMENTAL HEALTH															
						Rural sanitation	2101		1	1	1	18 804	23 196	21 980	EPTA						
						Water supplies	2200					4 800	5 100	5 100	PW						
												23 604	28 296	27 080							
3	3	3	53 512	58 681	59 468	Total - GUATEMALA						5	5	5	147 604	135 275	126 302	471 000	181 000		
						Total Estimated Government Contribution													(1 650 000)	(1 700 000)	(1 700 000)
HAITI																					
(For text, see page 146)																					
MALARIA																					
						Eradication programme	0200		6	7	7	109 009	126 733	127 111	PM	228 000*	49 000*				
VENEREAL DISEASES AND TREPONEMATOSES																					
1			9 666	3 400	3 400	Yaws eradication	0600														
PUBLIC HEALTH ADMINISTRATION																					
						National health services	3100	{	3	3	3	32 699	47 729	54 102	EPTA						
						Public health laboratory	3300		2	1	1	10 361	7 513	7 663	PR						
						Fellowships	3101		1	1		26 796	26 168	8 300	PR						
						Fellowships	3102					4 300	4 900	4 900	PR						
			4 300	3 500	7 000							74 156	86 310	74 965							
			4 300	3 500	7 000	NUTRITION															
						Nutrition programme	4200		1	1	1	25 426	31 068	31 420	PR						
ENVIRONMENTAL HEALTH																					
						Water supplies	2200	{	1	1	1	3 200	3 400	3 400	PW						
												13 080	16 556	17 278	PR						
												16 280	19 956	20 678							
1			13 966	6 900	10 400	Total - HAITI						14	14	13	224 871	264 067	254 174	228 000	49 000		
						Total Estimated Government Contribution													(1 849 956)	(1 404 956)	(1 144 956)

\* Allocated by the UNICEF Executive Board.  
<sup>1</sup> For abbreviations, see page 308.

THE AMERICAS: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance						Other Extra-budgetary Funds						
Number of posts			Estimated obligations			Number of posts			Estimated obligations			Source of funds <sup>1</sup>					
1965	1966	1967	1965		1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967		
US \$			US \$			US \$			US \$			US \$					
<b>HONDURAS</b>																	
(For text, see page 146)																	
MALARIA																	
			Eradication programme			0200	1	1	1	20 653	23 588	23 607	PM	48 000*	137 000*		
			PUBLIC HEALTH ADMINISTRATION														
			National health services			3100	{	3	3	3		1 000	1 000	PR			
			Fellowships			3101					44 627	55 373	51 895	EPTA			
			Fellowships			3102					6 000	14 000	14 000	PR			
							3	3	3	50 627	70 373	66 895					
			NURSING														
			Nursing education			6300			1			11 805	PR				
			NUTRITION														
			Nutrition programme			4200								17 000*			
			ENVIRONMENTAL HEALTH														
			Water supplies			2200	{			3 200	3 400	3 400	PW				
												5 100	5 100		PR		
												3 200	8 500	8 500			
			Total - HONDURAS				4	4	5	74 480	102 461	110 807		65 000	137 000		
			<u>Total Estimated Government Contribution</u>											(12 073 600)	(13 469 600)	(15 041 400)	
<b>JAMAICA</b>																	
(For text, see page 147)																	
PUBLIC HEALTH ADMINISTRATION																	
			Public health services			3100					7 900	7 900	PR				
			Health legislation			3101				1 600			PR				
										1 600	7 900	7 900					
			NURSING														
			Nursing education			6300	1	1	1	21 991	18 095	18 390	PR				
			Advanced nursing education, University of the West Indies			6301											
							1	1	1	21 991	18 095	18 390					

\* Allocated by the UNICEF Executive Board.  
<sup>1</sup> For abbreviations, see page 308.



THE AMERICAS: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance			Other Extra-budgetary Funds						
Number of posts			Estimated obligations		Number of posts			Source of funds	Estimated obligations					
1965	1966	1967			1965	1966	1967		1965	1966	1967			
			US \$				US \$				US \$			
<b>Jamaica (continued)</b>														
<b>MENTAL HEALTH</b>														
	10	700		Mental health	4300	1		21 056	13 700	PR				
<b>ENVIRONMENTAL HEALTH</b>														
				Rural water supplies	2200	1	1	13 104	18 396	17 180	EPTA			95 000
				Training of sanitary inspectors	6401	1	1	13 104	18 396	17 180				95 000
<b>EDUCATION AND TRAINING</b>														
	1	1	18 400	16 049	16 438	Department of Preventive Medicine, University of the West Indies		6 300	4 900	PR				
	2	3	75 504	65 723	67 385	Total - JAMAICA		36 695	71 747	62 070				95 000
<u>Total Estimated Government Contribution</u>											(200 000)	(200 000)	(200 000)	
<b>MEXICO</b>														
(For text, see page 148)														
<b>MALARIA</b>														
				Eradication programme	0200	4	4	64 786	66 614	73 669	EPTA	890 000*	2 000 000*	
				Eradication in problem areas	0201	2	2	75 168	72 518	73 645	PM			
						6	6	139 954	139 132	222 314	PM	890 000	2 000 000	
<b>TUBERCULOSIS</b>														
	1	1	16 548	25 368	23 797	Tuberculosis control		2 500	2 500	3 600	EPTA	55 000*		
<b>LEPROSY</b>														
	1		10 268			Leprosy control								
<b>VETERINARY PUBLIC HEALTH</b>														
			7 700	6 900	10 300	Veterinary medicine education								
<b>PUBLIC HEALTH ADMINISTRATION</b>														
	4	4	76 946	74 403	90 948	State health services		21 010			PR			
			4 300	3 500	7 000	Public health laboratories		14 900			PR			
						Fellowships		8 600	14 000	10 500	PR			
	4	4	81 246	77 903	97 948	Fellowships		44 510	14 000	10 500				

\* Allocated by the UNICEF Executive Board.

<sup>1</sup> For abbreviations, see page 308.

THE AMERICAS: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds				
Number of posts		Estimated obligations			Number of posts		Estimated obligations		Estimated obligations				
1965	1966	1967	1965		1966	1967	1965	1966	1967	1965	1966	1967	
	US \$	US \$	US \$				US \$	US \$	US \$		US \$	US \$	US \$
<u>Mexico (continued)</u>													
VITAL AND HEALTH STATISTICS													
				3500	1	1	6 400	6 400		EPTA			
Health statistics													
NURSING													
				6300	2	2	34 777	35 590	47 985	PR			
Nursing education													
SOCIAL AND OCCUPATIONAL HEALTH													
				4600			1 600	1 700	1 700	PR			
Industrial hygiene													
NUTRITION													
				4200			4 600	4 600	4 800	EPTA			
Nutrition													
ENVIRONMENTAL HEALTH													
		1 400	5 600	2200	1	1	18 596	19 468		PW			
Water supplies													
	15 001	2 800	7 000	6400	1	1		17 150	19 866	PR			
Sanitary engineering education													
	15 001	4 200	12 600		1	2	18 596	36 618	39 486	PR			
EDUCATION AND TRAINING													
	7 500	6 900	6 900	6100									
School of Public Health													
	13 400	12 100	12 100	6200									
Medical education													
	20 900	19 000	19 000										
6	5	6			11	11	252 937	240 540	330 385		945 000	2 000 000	
Total - MEXICO													
<u>Total Estimated Government Contribution</u>											(30 230 000)	(42 230 000)	(45 230 000)
NETHERLANDS ANTILLES													
(For text, see page 149)													
PUBLIC HEALTH ADMINISTRATION													
		3 500	3 500	3101			4 300	4 900	3 500	PR			
Fellowships													
		3 500	3 500	3102			4 300	4 900	3 500				
Fellowships													
		3 500	3 500				4 300	4 900	3 500				
Total - NETHERLANDS ANTILLES													

<sup>1</sup> For abbreviations, see page 308.

## THE AMERICAS: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance					Other Extra-budgetary Funds			
Number of posts			Estimated obligations			Number of posts			Estimated obligations				
1965	1966	1967	1965		1966	1967	1965	1966	1967	Source of funds <sup>1</sup>	1965	1966	1967
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$	
<b>NICARAGUA</b>													
(For text, see page 149)													
<b>MALARIA</b>													
				Eradication programme	0200	3	3	3		PM	467 000*		
4		76 780	83 560				64 917	54 340	53 628				
<b>PUBLIC HEALTH ADMINISTRATION</b>													
				Public health services	3100	{				PR	164 000*	42 000*	
1		25 662	25 365			2	2	2	3 400	10 500	9 800		
				Fellowships	3101	{			19 931	29 469	32 858		
1		25 662	25 365			2	2	2	8 600	10 500			
							31 931	50 469	42 658		164 000	42 000	
<b>ENVIRONMENTAL HEALTH</b>													
				Water supplies	2200	{				PR			
				Sanitary engineering education	6400	1			18 021	5 100	5 100		
							5 900			PR			
						1			23 921	5 100	10 200		
										PR			
1		25 662	102 145			6	5	5	120 769	109 909	106 486		
											631 000	42 000	
<b>Total - NICARAGUA</b>											(1 737 523)	(1 833 033)	(1 860 343)
<b>Total Estimated Government Contribution</b>													
<b>PANAMA</b>													
(For text, see page 150)													
<b>MALARIA</b>													
				Eradication programme	0200	2	2	2		PM	58 000*	111 000*	
							43 497	39 768	36 288				
<b>PUBLIC HEALTH ADMINISTRATION</b>													
				National health services	3100	{				PR			
		12 000	17 500			2	2	2	14 900	25 100	14 600		
				Fellowships	3101	{			37 796	39 604	40 772		
		12 000	17 500			2	2	2	52 696	64 704	55 372		
<b>DENTAL HEALTH</b>													
				Dental education	6600								
		3 200	5 100										
<b>NUTRITION</b>													
				Nutrition programme	11							35 000*	

<sup>1</sup> Allocated by the UNICEF Executive Board.  
For abbreviations, see page 308.

THE AMERICAS: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations		Number of posts			Source of funds <sup>1</sup>	Estimated obligations			
1965	1966	1967			1965	1966	1967		1965	1966	1967	
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<u>Panama (continued)</u>												
ENVIRONMENTAL HEALTH												
				2200	{	3 200	3 400	6 800 3 400	PR PW		89 000*	
						3 200	3 400	10 200			89 000	
	15 200	17 500	22 600		4 4 4	99 393	107 872	101 860		58 000	235 000	
<u>Total - PANAMA</u>												
<u>Total Estimated Government Contribution</u>										(14 207 000)	(14 807 000)	(16 107 000)
<b>PARAGUAY</b>												
(For text, see page 150)												
MALARIA												
				0200	6 5 5	79 967	77 768	81 121	PM		265 000*	
LEPROSY												
		2 800		0500		3 400		5 600	PR			
PUBLIC HEALTH ADMINISTRATION												
				3100	{ 1	11 755			PR			
	4 300	7 000	7 000	3101	{ 5 5 5	52 624	75 376	83 493	EPTA	244 000*	97 000*	
				3102		17 200	11 200	13 300	PR			
	4 300	7 000	7 000		6 5 5	81 579	86 576	96 793		244 000	97 000	
MATERNAL AND CHILD HEALTH												
				20						36 000*		
NUTRITION												
				4200		6 000	3 500	3 500	PR		41 000*	18 000
ENVIRONMENTAL HEALTH												
				2200		3 200	3 400	3 400	PW			
EDUCATION AND TRAINING												
				6200		9 200			PR			
	4 300	9 800	7 000		12 10 10	183 346	171 244	190 414		280 000	403 000	18 000
<u>Total - PARAGUAY</u>												
<u>Total Estimated Government Contribution</u>										(3 408 000)	(3 998 000)	(4 358 000)

\* Allocated by the UNICEF Executive Board.

<sup>1</sup> For abbreviations, see page 308.

THE AMERICAS: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds				
Number of posts			Estimated obligations		Number of posts			Source of funds <sup>1</sup>	Estimated obligations				
1965	1966	1967			1965	1966	1967		1965	1966	1967		
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$	
<b>PERU</b>													
(For text, see page 151)													
<b>MALARIA</b>													
				Eradication programme	0200	6	5	4	111 549	107 422	76 124	PM	278 000*
<b>BACTERIAL DISEASES</b>													
1	1	1	5 752	8 119	10 000	Plague control	0900		8 200	6 800	3 400	PR	
<b>VETERINARY PUBLIC HEALTH</b>													
			3 200	8 600	8 600	Veterinary medicine education	6500						
<b>PUBLIC HEALTH ADMINISTRATION</b>													
						National health services	3100	{ 1	10 850	5 100	5 100	PR	
						Andean region development programme	3102	{ 3 3 3	41 961	45 539	46 233	EPTA	32 000*
						Studies on promotion of rural health and agriculture	3104		1 500	1 500	1 500	EPTA	34 000*
			4 300	9 800	9 800	Fellowships	3101		16 000			PR	
			4 300	9 800	9 800	Fellowships	3103		28 300	23 100	23 100	PR	
<b>DENTAL HEALTH</b>													
						Dental education	6600				3 400	PR	
<b>NURSING</b>													
2	2	2	26 444	28 032	28 404	Nursing education	6300		10 100	27 100	22 200	PR	
<b>MATERNAL AND CHILD HEALTH</b>													
						Infantile diarrhoea and malnutrition	4101		37 978			PG	143 000*
<b>NUTRITION</b>													
						Nutrition	4200				11 805	PR	
<b>ENVIRONMENTAL HEALTH</b>													
			7 500			Water supplies	2200	{ 1 1 1	15 405	15 695	17 039	EPTA	
			7 500			Sanitary engineering education	5400		12 800	10 200	10 200	PW	
								{ 1 1 1	28 205	25 895	27 239		
<b>EDUCATION AND TRAINING</b>													
						School of Public Health	6100		11 300	11 600	15 100	PR	
						Medical education	6200			7 000	7 000	PR	
									11 300	18 600	22 100		
3	3	3	47 196	54 551	56 804	Total - PERU		11 9 9	305 943	261 056	242 201		453 000 98 000
										<u>Total Estimated Government Contribution</u>			(1 008 000) (1 015 000) (1 030 000)

\* Allocated by the UNICEF Executive Board.

<sup>1</sup> For abbreviations, see page 308.

THE AMERICAS : COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds					
Number of posts			Estimated obligations		Number of posts			Source of funds	Estimated obligations					
1965	1966	1967			1965	1966	1967		1965	1966	1967			
US \$	US \$	US \$	US \$	US \$	US \$	US \$	US \$	US \$	US \$	US \$				
<b>SURINAM</b>														
(For text, see page 152)														
MALARIA														
				0200	6	6	5	102 833	116 720	99 180	PM	7 000*		
PUBLIC HEALTH ADMINISTRATION														
				3100					11 000	9 600	PR			
				3101				3 400	6 300	3 500	PR			
								3 400	17 300	13 100				
ENVIRONMENTAL HEALTH														
				2200				3 200	3 400	3 400	PW			
				2300	1	1	1	12 962	15 098	14 374	PR EPTA			
					1	1	1	16 102	21 898	24 674				
					7	7	6	122 335	155 918	136 954		7 000		
Total - SURINAM														
<u>Total Estimated Government Contribution</u>														
												(480 000)	(480 000)	(480 000)
<b>TRINIDAD AND TOBAGO</b>														
(For text, see page 153)														
VENEREAL DISEASES AND TREPONEMATOSES														
				0600					1 700		PR			
PUBLIC HEALTH ADMINISTRATION														
				3300				4 300	3 500	3 500	PR			
				4800	2	1	1	13 690	1 400	13 910	PR EPTA			
	3 500		10 500	3102				10 300	7 000	7 000	PR			
				3103				28 290*	25 810	29 970				
	3 500		10 500		2	1	1							
NURSING														
				3200					8 200	13 100	PR			
CHRONIC AND DEGENERATIVE DISEASES														
				4201	1			19 077			PG			

\* Allocated by the UNICEF Executive Board.  
 1 For abbreviations, see page 308.

THE AMERICAS: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds		
Number of posts			1967		Number of posts			Source of 1 funds	Estimated obligations		
1965	1966	1967			1965	1966	1967		1965	1966	1967
US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<b>Trinidad and Tobago (continued)</b>											
NUTRITION											
				4200	1	1	6 000	12 363	13 856	PR	
ENVIRONMENTAL HEALTH											
				2200	1	1	12 580	17 056	17 778	PW	
		3 500	10 500								
Total - TRINIDAD AND TOBAGO											
					4	3	65 947	65 129	74 684		
<u>Total Estimated Government Contribution</u>											
											(100 000) (100 000)
<b>UNITED STATES OF AMERICA</b>											
(For text, see page 153)											
PUBLIC HEALTH ADMINISTRATION											
14 400	15 300	15 300		3100							
				3101			25 000	25 000	25 000	PR	
10 000	10 000	10 000		3103							
							25 000	25 000	25 000		
24 400	25 300	25 300									
ENVIRONMENTAL HEALTH											
				2300	1	1	11 080	16 290	17 278	PR	
Aedes aegypti eradication											
EDUCATION AND TRAINING											
				3102			5 000	5 000	5 000	PR	
24 400	25 300	25 300			1	1	41 080	46 290	47 278		
Total - UNITED STATES OF AMERICA											
<b>URUGUAY</b>											
(For text, see page 153)											
BACTERIAL DISEASES											
		3 400		0901							
Haemorrhagic fever											
PARASITIC DISEASES											
				0900		1	4 900	5 100	23 400	PR	
Chagas' disease											
						1	4 900	5 100	23 400	EPTA	

<sup>1</sup> For abbreviations, see page 308.

THE AMERICAS: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds				
Number of posts			Estimated obligations		Number of posts			Source of funds <sup>1</sup>	Estimated obligations				
1965	1966	1967			1965	1966	1967		1965	1966	1967		
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$	
<u>Uruguay (continued)</u>													
LEPROSY													
	1 615	1 400	1 400	Leprosy control	0500								
VETERINARY PUBLIC HEALTH													
		8 800	8 800	Veterinary medicine education	6500								
PUBLIC HEALTH ADMINISTRATION													
				National health services	3100	{ 1 1 1	12 731	14 745	14 990	PR			
				Medical care and hospital administration	4800	{ 3 2 1	44 310	35 445	18 579	EPTA			
	14 300	7 000	7 000	Fellowships	3101	{ 1 1		28 500	21 500	PR			
	14 300	7 000	7 000	Fellowships	3102			13 602	23 227	EPTA			
							10 300	2 800	2 800	PR			
							67 341	95 092	81 096				
VITAL AND HEALTH STATISTICS													
	10 000	11 700	1 700	Health statistics	3500								
DENTAL HEALTH													
				Dental education	6600			4 800	4 800	PR			
CHRONIC AND DEGENERATIVE DISEASES													
				Chronic diseases	4801		6 500	8 600	8 600	PR			
RADIATION AND ISOTOPES													
		15 000	10 250	Radiation protection	4500								
ENVIRONMENTAL HEALTH													
				Water supplies	2200		3 200	3 400	3 400	FW			
EDUCATION AND TRAINING													
				Training of health personnel	6100		11 700	12 000	22 405	PR			
				Medical education	6200		11 600	10 950	10 950	PR			
							23 300	22 950	33 355				
	25 915	47 300	29 150	Total - URUGUAY		4 4 5	105 241	139 942	154 651				
<u>Total Estimated Government Contribution</u>											(200 000)	(200 000)	(250 000)

<sup>1</sup> For abbreviations, see page 308.



THE AMERICAS: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds					
Number of posts			Estimated obligations			Number of posts	Estimated obligations			Source of funds <sup>1</sup>	Estimated obligations			
1965	1966	1967	1965		1966		1967	1965	1966		1967	1965	1966	1967
			US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<b>VENEZUELA</b>														
(For text, see page 155)														
<b>TUBERCULOSIS</b>														
			6 800			Tuberculosis control	0400							
<b>BACTERIAL DISEASES</b>														
						Plague investigation	0900	4 800						
						Diarrhoeal diseases	0902		1 700		1 700			
								4 800	1 700		1 700			
<b>PARASITIC DISEASES</b>														
						Helminthiasis	0901		5 100					
<b>VIRUS DISEASES</b>														
						National Institute of Hygiene	3301	5 900	5 900		3 100			
<b>PUBLIC HEALTH ADMINISTRATION</b>														
			10 200	5 100	6 800	Consultant services in health	3100			8 500	8 500			
1	1	1	18 988	23 416	22 199	Medical care services	4800							
			8 600	7 000	10 500	Fellowships	3101	22 300	18 200		21 700			
						Fellowships	3102							
1	1	1	37 788	35 516	39 499			22 300	26 700		30 200			
<b>NURSING</b>														
						Nursing education	6300	8 600	7 000		7 000			
							{ 1 1 1	10 200	6 800		19 800			
							1 1 1	18 800	13 800		26 800			
<b>SOCIAL AND OCCUPATIONAL HEALTH</b>														
						Industrial hygiene	4600	7 500	10 000		3 100			
1	2	2	16 961	32 119	31 092	Rehabilitation	4801							
								7 500	10 000		3 100			
1	2	2	16 961	32 119	31 092									
<b>MENTAL HEALTH</b>														
						Mental health	4300	18 130	23 728		23 519			
							{ 2 2 2	4 300	4 900		4 900			
							2 2 2	22 430	28 628		28 419			
<b>NUTRITION</b>														
						Nutrition programme	4200			4 300	9 100		18 105	

<sup>1</sup> For abbreviations, see page 308.

THE AMERICAS: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Source of funds <sup>1</sup>	Other Extra-budgetary Funds				
Number of posts		Estimated obligations			Number of posts		Estimated obligations			Estimated obligations				
1965	1966	1967	1965		1966	1967	1965	1966		1967	1965	1966	1967	
							US\$	US\$	US\$		US\$	US\$	US\$	
<b>Venezuela (continued)</b>														
<b>ENVIRONMENTAL HEALTH</b>														
				2100				3 100	4 800	PR		180 000*	205 000	
			12 000	2200	{	1			18 805	PR				
				2300	{	2	16 000	17 000	17 000	PW				
1	1		19 669	2400	{	2	53 592	35 330	35 960	PR				
				6400	{	5	6 300			PR				
					{	5	207 155	195 915	117 895	UNSF				
							69 220			FT				
1	1		19 669			8	345 967	257 645	194 460			180 000	205 000	
<b>EDUCATION AND TRAINING</b>														
1	2	1	20 358	6100										
			41 941	6200	1	1	12 220	22 356	23 078	PR				
1	2	1	20 358		1	1	12 220	22 356	23 078					
3	6	5	81 907		13	11	444 217	380 929	328 962			180 000	205 000	
			129 245											
			127 487											
<b>Total - VENEZUELA</b>												180 000	205 000	
<b>Total Estimated Government Contribution</b>												(55 290 296)	(54 187 627)	(54 206 870)
<b>WEST INDIES</b>														
(For text, see page 156)														
<b>PUBLIC HEALTH ADMINISTRATION</b>														
				4800					3 400	PR				
				4802		1	18 000		27 860	EPTA				
				3101			8 600	8 400	8 400	PR				
			6 800	3102										
			9 800			1	26 600	11 800	36 260					
			16 800											
<b>NURSING</b>														
1	1	1	25 673	3200				14 000		PR				
			21 826	6300	1	1	27 701	28 005	27 890	PR				
1	1	1	25 673		1	1	27 701	42 005	27 890					
			21 826											
			21 614											
<b>MATERNAL AND CHILD HEALTH</b>														
				4101								40 000*		
<b>NUTRITION</b>														
			6 000	4200										

\* Allocated by the UNICEF Executive Board.  
<sup>1</sup> For abbreviations, see page 308.

THE AMERICAS: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds					
Number of posts			Estimated obligations		Number of posts			Estimated obligations	Source of funds <sup>1</sup>	Estimated obligations				
1965	1966	1967			1965	1966	1967			1965	1966	1967		
			US \$				US \$				US \$			
<b>West Indies (continued)</b>														
<b>ENVIRONMENTAL HEALTH</b>														
				2200	1		18 696							
					7	7	34 050	36 400	40 800	PW EPTA				
					8	7	52 746	36 400	40 800					
1	1	1	38 473		9	8	107 047	90 205	104 950		40 000			
<b>INTER-COUNTRY PROGRAMMES</b>														
(For text, see page 157)														
<b>MALARIA</b>				AMRO										
			17 000	0200	5	5	96 263	109 101	168 262	PM				
				0201	3	1	41 432	18 432	15 650	PM				
				0204	1	1	26 132	27 351	27 816	PM				
				0211			32 825		96 208	PM				
				0214					35 000	PM				
				0215		1			21 000	PM				
				0216					108 000	PM				
				0217					50 000	PM				
			17 000		9	7	196 652	154 884	521 936					
<b>TUBERCULOSIS</b>														
			10 200	0400										
			21 909	0403	1	1	12 680	17 656	18 378	PR				
			24 353	0404										
			34 104		1	1	12 680	17 656	18 378					
			44 304											
			53 513											
<b>VENEREAL DISEASES AND TREPONEMATOSES</b>														
			8 727	0600	1	1	20 350	14 393	31 266	PR				
			15 312	0607										
			17 284											
			46 753											
			55 480		1	1	20 350	14 393	31 266					
			6 800	0900										
			6 800	0907										
			13 084											
			19 884											

<sup>1</sup> For abbreviations, see page 308.





THE AMERICAS : COUNTRY SCHEDULES

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Regular Budget				Project No.	Technical Assistance						Other Extra-budgetary Funds		
Number of posts		Estimated obligations			Number of posts		Estimated obligations			Estimated obligations			
1965	1966	1967	1965		1966	1967	1965	1966	1967	Source of funds <sup>1</sup>	1965	1966	1967
		US \$	US \$	US \$				US \$	US \$	US \$			
				<u>Inter-country Programmes (continued)</u>									
				AMRO									
				NURSING									
				Nursing - Zone I									
				- Zone II									
				- Zone III									
				- Zone IV									
				- Zone VJ									
				Courses on nursing administration and supervision, Zone I									
				Nursing education									
				Programmed instruction for nursing auxiliaries									
15 200	19 400	15 900											
15 200	19 400	15 900											
				SOCIAL AND OCCUPATIONAL HEALTH									
				Industrial hygiene									
				Manganese poisoning									
				Rehabilitation									
				CHRONIC AND DEGENERATIVE DISEASES									
				Data on chronic diseases									
				HEALTH EDUCATION									
				Health education, Caribbean area									
1 1 1	17 344	17 147	18 955										
1 1 1	17 344	17 147	18 955										
				Community development training centre									
				MATERNAL AND CHILD HEALTH									
				Guides for maternal and child health services and planning									
				Training in clinical and social paediatrics									
				Midwifery training									
				Social paediatrics									
25 000	30 600	30 600											
25 000	30 600	30 600											
				MENTAL HEALTH									
				Mental health, inter-zone									
				Seminar on mental health, Zone I									
				Mental health in Latin America									
				Seminar on teaching psychiatry									
10 400			36 780										
10 400			36 780										

\* Allocated by the UNICEF Executive Board.

<sup>1</sup> For abbreviations, see page 308.



THE AMERICAS : COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds					
Number of posts			Estimated obligations		Number of posts			Source of funds <sup>1</sup>	Estimated obligations					
1965	1966	1967			1965	1966	1967		1965	1966	1967			
			US \$	US \$	US \$				US \$	US \$	US \$			
<u>Inter-country Programmes (continued)</u>														
AMRO														
<u>Environmental Health (continued)</u>														
<u>Aedes aegypti eradication - inter-zone</u>														
			2300	2	2	2	63 037	54 414	55 161	FR				
				{	1	1	1	18 080	21 556	22 278	FR			
					4	4	4	59 592	61 688	63 119	EPTA			
					2	2	2	30 599	26 952	27 775	FR			
Public health aspects of housing and urbanization														
			4708								17 200	FR		
Sanitary engineering training														
			6400	1	2	2	43 396	62 503	63 822	FR				
Sanitary engineering training, Zone III														
			6403				2 100	16 800	16 800	FR				
Training of sanitary inspectors, Zone III														
			6407				23 400			FR				
2	1	1	70 615	58 999	34 050	30	36	36	630 116	755 540	826 049			
<u>EDUCATION AND TRAINING</u>														
			9 500	19 800	14 300				11 500			FR		
					23 800				21 590			FR		
Schools of public health														
Seminars for schools of public health														
										13 775		FR		
Seminar on integration of teaching of public health and preventive medicine														
Continued training in public health														
					10 500	1	2	2	13 080	22 836	24 007	FR		
Travelling seminar on schools of public health														
			6 000	9 800	9 800				3 500			PG		
Medical education - inter-zone														
						{	1	2	38 950	17 584	30 695	FR		
								6 400	11 700	11 700	FR			
								13 900	6 800	6 800	FR			
								1 700	17 000	17 000	FR			
								8 500	9 800	9 800	FR			
Training of medical librarians														
			24 300	19 400	19 400		1	1	2 000	14 395	17 464	FR		
Teaching methods and administrative organization of medical schools														
Research training institutions in health sciences														
						1	2	2	14 650			PG		
									22 680	36 783	38 169	FR		
			39 800	49 000	77 800	2	6	7	158 450	150 673	155 635			
<u>OTHER ACTIVITIES</u>														
Co-ordination of international research														
						3110			38 450	29 550	29 550	FR		
<u>Total - INTER-COUNTRY PROGRAMMES</u>														
15	15	15	554 922	697 860	996 127	435	457	470	4 403 647	5 072 451	5 711 152	21 000	69 000	156 000

<sup>1</sup> For abbreviations, see page 308.



### SOUTH-EAST ASIA : SUMMARY

	Regional Office					Field Activities					Total							
	Number of posts			Estimated obligations			Number of posts			Estimated obligations								
	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967						
			US \$	US \$	US \$		US \$	US \$	US \$		US \$	US \$	US \$					
Regular budget .....	95	95	95	505 370	532 820	570 319	236	242	224	3 398 863	3 814 721	4 132 716	331	337	319	3 904 233	4 347 541	4 703 035
Technical Assistance:																		
Expanded Programme of Technical Assistance							78	82	98	1 162 447	1 269 784	1 505 660	78	82	98	1 162 447	1 269 784	1 505 660
United Nations Special Fund .....							1	1		326 431	337 887		1	1		326 431	337 887	
Other Extra-budgetary Funds .....										3 663 650	5 326 000	1 765 000				3 663 650	5 326 000	1 765 000
	95	95	95	505 370	532 820	570 319	315	325	322	8 551 391	10 748 392	7 403 376	410	420	417	9 056 761	11 281 212	7 973 695

SOUTH-EAST ASIA : REGIONAL OFFICE

(For text, see page 168)

Regular Budget						Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations			Number of posts			Estimated obligations				
1965	1966	1967	1965			1966	1967	1965	1966	1967	Source of funds	1965	1966
			US\$	US\$	US\$					US\$	US\$	US\$	
<b>OFFICE OF THE REGIONAL DIRECTOR</b>													
1	1	1		17 900	17 900	Regional Director							UG
1	1	1		2 249	2 455	Secretary							ND5
1	1	1		1 965	2 127	Clerk-stenographer							ND4
<b>PUBLIC INFORMATION</b>													
1	1	1		9 076	9 320	Public information officer							P4
1	1	1		4 850	5 048	Information officer							P1
2	2	2		3 739	3 968	Clerk-stenographers							ND4
1	1	1		1 371	1 491	Clerk-typist							ND3
<b>HEALTH SERVICES</b>													
1	1	1		14 979	15 020	Director							D2
1	1	1		3 196	3 451	Administrative assistant							ND6
2	2	2		4 496	4 911	Technical assistants							ND5
1	1	1		2 863	2 969	Secretary							ND5
1	1	1		2 124	2 203	Clerk							ND4
<b>Fellowships</b>													
1	1	1		3 704	3 979	Administrative assistant							ND6
1	1	1		2 001	2 203	Record clerk							ND4
2	2	2		2 503	2 733	Clerk-typists							ND3
<b>Reports and Documents</b>													
1	1	1		9 438	9 659	Reports officer							P3
1	1	1		3 616	3 887	Administrative assistant							ND6
1	1	1		2 656	2 877	Library assistant							ND5
1	1	1		2 645	2 867	Technical information assistant							ND5
1	1	1		1 840	1 999	Junior assistant							ND4
2	2	2		3 753	4 073	Clerk-stenographers							ND4
2	2	2		2 524	2 756	Clerk-typists							ND3
1	1	1		1 081	1 191	Stores clerk							ND3
<b>ADMINISTRATION AND FINANCE</b>													
1	1	1		12 071	12 357	Administration and finance officer							P5
1	1	1		10 390	10 650	Administration and finance officer							P4
1	1	1		3 483	3 750	Administrative assistant							ND6
2	2	2		3 332	3 616	Clerk-stenographers							ND4
<b>Budget and Finance</b>													
1	1	1		7 513	7 723	Budget and finance officer							P3
1	1	1		6 220	6 405	Accountant							P2
1	1	1		6 548	6 738	Budget officer							P2
2	2	2		6 126	6 627	Administrative assistants							ND6
5	5	5		12 778	13 746	Assistant accountants							ND5
1	1	1		2 327	2 537	Senior assistant							ND5
6	6	6		11 153	12 025	Accounts clerks							ND4
2	2	2		3 237	3 537	Clerk-stenographers							ND4
3	3	3		3 282	3 612	Clerk-typists							ND3

## SOUTH-EAST ASIA: REGIONAL OFFICE

Regular Budget					Technical Assistance				Other Extra-budgetary Funds				
Number of posts					Number of posts			Source of funds	Estimated obligations				
1965	1966	1967			1965	1966	1967		1965	1966	1967		
			US \$	US \$	US \$		US \$	US \$	US \$		US \$	US \$	US \$
<u>Administration and Finance (continued)</u>													
<u>Personnel</u>													
1	1	1		8 388	8 598								
1	1	1		3 759	4 002								
2	2	2		4 943	5 372								
2	2	2		3 295	3 508								
1	1	1		1 658	1 810								
1	1	1		1 315	1 433								
<u>Administrative Services</u>													
1	1	1		7 880	7 880								
2	2	2		6 358	6 869								
1	1	1		2 863	2 969								
1	1	1		1 515	1 659								
1	1	1		2 124	2 203								
2	2	2		3 355	3 549								
1	1	1		1 381	1 523								
1	1	1		1 854	2 014								
1	1	1		1 579	1 727								
1	1	1		1 437	1 555								
1	1	1		981	1 086								
1	1	1		1 203	1 317								
2	2	2		2 758	2 999								
1	1	1		1 075	1 185								
1	1	1		1 081	1 190								
8	8	8		9 447	10 356								
				16 725	17 851								
<u>Supply Services</u>													
1	1	1		6 532	6 722								
1	1	1		2 406	2 620								
1	1	1		1 957	2 120								
3	3	3		5 122	5 313								
95	95	95		269 580	296 098	311 840							
Total established posts													
<u>Temporary staff</u>													
10 390 8 000 8 000													
<u>Travel</u>													
8 000 8 000 8 000													
Duty													
<u>Other costs</u>													
6 000 6 000 6 000													
Public information supplies and materials													
<u>Common services</u>													
20 979 22 019 23 277													
24 659 25 720 27 922													
19 234 19 565 20 572													
1 134 1 195 1 195													
14 024 13 400 11 701													
Acquisition of capital assets													
131 370 132 823 151 812													
<u>Other statutory staff costs</u>													
95 95 95 505 370 532 820 570 319													
Total - REGIONAL OFFICE													
-----													

SOUTH-EAST ASIA: SUMMARY OF FIELD ACTIVITIES

Regular Budget					Technical Assistance				Source of funds	Other Extra-budgetary Funds					
Number of posts			Estimated obligations			Estimated obligations									
1965	1966	1967	1965		1966	1967	1965	1966		1967					
			US \$	US \$	US \$				US \$	US \$	US \$				
76	73	70	1 018 440	1 079 528	1 080 170	Malaria				148 000	324 000	54 000			
11	10	7	139 430	141 024	157 718	Tuberculosis	19	20	28	273 562	307 339	344 924	928 500	941 000	30 000
			2 300	29 100		Veneral diseases and treponematoses									
4	4	3	49 216	74 323	79 552	Bacterial diseases				7 200					
4	4	3	49 740	57 436	58 928	Parasitic diseases	2	2	2	21 428	25 220	30 392			
5	5	3	90 480	91 130	102 823	Virus diseases	2	3	2	36 148	50 970	46 320	199 000	199 000	
11	11	9	168 300	185 680	165 415	Leprosy				4 000			295 500	275 000	169 000
				3 600		Veterinary public health						3 600			
56	59	60	800 827	856 166	956 319	Public health administration	16	12	18	198 290	197 459	253 243	1 481 800	1 597 000	203 000
8	9	7	118 015	152 474	159 357	Vital and health statistics	8	8	9	70 729	81 404	96 793			
			14 550			Dental health		2	3			23 894	54 601		
14	15	13	207 161	192 456	232 963	Nursing	14	14	18	186 241	175 816	251 504			
2	3	2	22 195	42 400	30 645	Social and occupational health	1	2	1	8 376	18 735	14 823	26 000	26 000	
			2 200			Chronic and degenerative diseases									
5	6	7	55 879	87 323	150 830	Health education	1	2	2	14 234	24 345	35 532			
13	14	10	153 960	206 067	162 976	Maternal and child health	2	2	2	15 108	18 824	24 899	451 550	862 000	86 000
2	3	3	29 409	48 827	34 296	Mental health				7 200	5 800	17 500			
3	3	3	53 568	65 072	74 124	Nutrition					5 800			1 002 000	1 223 000
2	2	3	38 201	60 184	67 993	Radiation and isotopes	1	2	1	17 850	33 007	20 834			
8	8	9	159 044	164 817	196 188	Environmental health	4	4	3	363 834	375 399	57 345			
12	13	12	223 948	271 514	404 119	Education and training	9	10	9	264 678	263 659	253 345	133 300	100 000	
			2 000	5 600	18 300	Other activities									
236	242	224	3 398 863	3 814 721	4 132 716	TOTAL	79	83	98	1 488 878	1 607 671	1 505 660	3 663 650	5 326 000	1 765 000

SOUTH-EAST ASIA: REGIONAL ADVISERS

(For text, see page 168)

Regular Budget							Technical Assistance					Other Extra-budgetary Funds				
Number of posts			Estimated obligations				Number of posts			Estimated obligations			Estimated obligations			
1965	1966	1967	1965	1966	1967		1965	1966	1967	1965	1966	1967	1965	1966	1967	
			US\$	US\$	US\$				US\$	US\$	US\$					
						Regional advisers in:										
1	1	1		11 191	11 440	Tuberculosis	P5									
2	2	2		21 474	21 994	Communicable diseases	P5									
3	3	3		38 235	39 460	Public health administration	P6									
1	1	1		10 737	10 997	Public health administration	P5									
1	1	1		11 148	11 399	Public health administration (community development)	P5									
1	1	1		9 493	9 717	Community development officer	P4									
1	1	1		10 737	10 997	Public health officer	P5									
1	1	1		10 173	10 433	Laboratory services	P4									
1	1	1		11 684	11 974	Vital and health statistics	P5									
1	1	1		7 548	7 758	Statistician	P3									
2	2	2		18 691	19 175	Nursing	P4									
1	1	1		9 935	10 195	Health education	P4									
1	1	1		12 168	12 450	Maternal and child health	P5									
1	1	1		9 678	9 913	Nutrition	P4									
1	1	1		11 399	11 640	Environmental health	P5									
1	1	1		10 823	11 083	Sanitary engineering	P5									
1	1	1		12 071	12 357	Education and training	P5									
						<u>Malaria Eradication</u>										
1	1	1		11 520	11 781	Malaria adviser	P5									
3	3	3		31 578	32 330	Malariaologists	P4									
1	1	1		8 951	9 200	Entomologist	P4									
1	1	1		9 659	9 892	Sanitary engineer	P4									
1	1	1		3 196	3 452	Administrative assistant	ND6									
1	1	1		2 228	2 434	Reports assistant	ND5									
1	1	1		2 536	2 753	Statistical assistant	ND5									
1	1	1		1 527	1 674	Draughtsman	ND4									
						<u>Stenographic Pool</u>										
24	24	24		44 601	47 867	Clerk-stenographers	ND4									
1	1	1		1 499	1 555	Computer typist	ND3									
56	56	56	291 991	344 480	355 920	Total established posts										
						<u>Travel</u>										
			47 700	44 500	44 500	Duty										
						<u>Common services</u>										
			12 321	12 981	13 723	Space and equipment services										
			13 601	14 280	15 578	Other services										
			11 296	11 535	12 128	Supplies and materials										
			666	705	705	Fixed charges and claims										
			8 236	7 900	6 899	Acquisition of capital assets										
			206 181	242 603	247 452	<u>Other statutory staff costs</u>										
56	56	56	591 992	678 984	696 905	Total - REGIONAL ADVISERS										

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SOUTH-EAST ASIA: WHO REPRESENTATIVES

(For text, see page 168)

Regular Budget					Technical Assistance				Other Extra-budgetary Funds							
Number of posts			Estimated obligations			Source of funds	Estimated obligations									
1965	1966	1967	1965		1966		1967	1965	1966	1967						
			US \$	US \$	US \$				US \$	US \$	US \$					
1	1	1		13 100	13 100							Medical officer	P6			
6	6	6		74 830	76 155							Medical officers	P5			
1	1	1		3 869	4 052							Administrative assistant	BK9			
1	1	1		2 225	2 348							Clerk-stenographer	BK7			
1	1	1		1 529	1 583							Clerk-stenographer	COL6			
1	1	1		1 336	1 377							Senior clerk	DJ6			
1	1	1		1 232	1 262							Clerk-stenographer	DJ5			
1	1	1		1 125	1 157							Clerk-typist	DJ5			
1	1	1		2 756	2 756							Clerk-stenographer	KA7			
1	1	1		2 274	2 274							Clerk-stenographer	KE7			
1	1	1		2 086	2 086							Clerk-stenographer	KE6			
1	1	1		1 744	2 044							Clerk-stenographer	ND4			
1	1	1		2 803	2 879							Clerk-stenographer	RN5			
				4 048	4 176							Custodial staff				
18	18	18	112 259	114 957	117 249	Total established posts										
<u>Travel</u>																
			9 000	9 000	9 000	Duty										
<u>Common services</u>																
			2 900	2 900	2 900	Space and equipment services										
			15 300	15 300	15 300	Other services										
			2 500	3 000	3 000	Supplies and materials										
			1 800	1 800	1 800	Acquisition of capital assets										
			100 004	82 349	78 701	<u>Other statutory staff costs</u>										
18	18	18	243 763	229 306	227 950	Total - WHO REPRESENTATIVES										

## SOUTH-EAST ASIA: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds					
Number of posts			Estimated obligations			Number of posts			Estimated obligations					
1965	1966	1967	1965		1966	1967	1965	1966	1967	Source of funds	1965	1966	1967	
	US\$	US\$	US\$			US\$	US\$	US\$			US\$	US\$	US\$	
<b>AFGHANISTAN</b>														
(For text, see page 168)														
<b>MALARIA</b>														
11	11	11	132 686	130 947	134 844	Eradication programme	11					148 000*	268 000*	
<b>TUBERCULOSIS</b>														
						Advisory services	33	1	1	3	21 164	14 879	33 389	EPTA
<b>VIRUS DISEASES</b>														
1	1	1	9 115	18 472	8 965	Trachoma control	44							
						Communicable disease control (smallpox eradication)	54	1	1	1	12 496	15 093	19 970	EPTA
1	1	1	9 115	18 472	8 965			1	1	1	12 496	15 093	19 970	
<b>LEPROSY</b>														
			500	5 100	1 000	Leprosy control	43							
<b>PUBLIC HEALTH ADMINISTRATION</b>														
5	5	5	87 074	88 818	87 907	Rural health	26	3	3	4	39 279	39 014	54 910	EPTA
			3 485		6 800	Institute of Public Health, Kabul	31							
				5 100		Development of basic health services	59							
						Fellowships (vaccine production)	200							
5	5	5	90 559	93 918	94 707			3	3	4	39 279	39 014	54 910	
<b>NURSING</b>														
						Advisory services	35	4	4	4	47 234	44 059	52 692	EPTA
<b>HEALTH EDUCATION</b>														
1	1	1	14 771	18 929	20 820	Health education	24							
<b>MATERNAL AND CHILD HEALTH</b>														
						Paediatric and obstetric services and teaching programme	50							
						Provincial maternal and child health services and training	56	1	1	1	9 413	13 624	19 699	EPTA
								1	1	1	9 413	13 624	19 699	
<b>MENTAL HEALTH</b>														
				5 500		Fellowships	200							
<b>RADIATION AND ISOTOPES</b>														
1	1	1	9 100	15 139	14 064	Training of radiographers	51							

\* Allocated by the UNICEF Executive Board.





SOUTH-EAST ASIA: COUNTRY SCHEDULES

Regular Budget					Project No.	Technical Assistance					Other Extra-budgetary Funds			
Number of posts		Estimated obligations				Number of posts	Estimated obligations			Source of funds	Estimated obligations			
1965	1966	1967	1965				1966	1967	1965		1966	1967		
		US \$	US \$	US \$			US \$	US \$	US \$			US \$	US \$	US \$
<u>Burma</u> (continued)														
PUBLIC HEALTH ADMINISTRATION														
					44	1		10 902		7 200	EPTA			
					74									
					77							51 000*	14 000	
					201			9 800	10 800		EPTA			
						1		20 702	10 800	7 200		51 000	14 000	
VITAL AND HEALTH STATISTICS														
2	2	1	38 168	32 194	20 292									
DENTAL HEALTH														
			2 850			81								
						83	1			19 229	EPTA			
			2 850				1			19 229				
NURSING														
			1 800			40								
						56	1	2	2	9 257	21 728	30 137	EPTA	
			1 800				1	2	2	9 257	21 728	30 137		
HEALTH EDUCATION														
1	1			13 675	19 208	60								
				2 200	1 760	66								
1	1			15 875	20 968									
MATERNAL AND CHILD HEALTH														
1	1	1	20 418	23 041	14 709	6						173 000*	235 000*	
1	1	1	20 418	23 041	14 709	67						173 000	235 000	
MENTAL HEALTH														
1	1	1	8 575	10 798	4 677	37								
						201			5 800	17 500	EPTA			
1	1	1	8 575	10 798	4 677				5 800	17 500				
NUTRITION														
						201			5 800		EPTA			
RADIATION AND ISOTOPES														
						201		3 000			EPTA			

\* Allocated by the UNICEF Executive Board.



## SOUTH-EAST ASIA: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Source of funds	Other Extra-budgetary Funds		
Number of posts			Estimated obligations		Number of posts			Estimated obligations		Estimated obligations		
1965	1966	1967			1965	1966	1967			1965	1966	1967
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<u>Ceylon</u> (continued)												
PUBLIC HEALTH ADMINISTRATION												
		3 600	6 000	38								
				74	1	1	1	14 300	15 400	15 400	EPTA	
			5 100	76	1			8 200	3 600	3 600	EPTA	
	6 000	4 200		77								
				200						6 700	EPTA	
	6 000	7 800	11 100	201								
					2	1	1	22 500	19 000	25 700		
VITAL AND HEALTH STATISTICS												
				45	1	1	1	12 490	8 714	12 655	EPTA	
NURSING												
2	2	19 974	24 573	53								
SOCIAL AND OCCUPATIONAL HEALTH												
				63		1		2 000	5 100		EPTA	
CHRONIC AND DEGENERATIVE DISEASES												
	2 200			200								
HEALTH EDUCATION												
			5 100	72								
MATERNAL AND CHILD HEALTH												
				4								25 600*
												86 000
MENTAL HEALTH												
1	1		18 267	37								
NUTRITION												
		2 400		3								107 000*
		2 400		200								107 000
RADIATION AND ISOTOPES												
				71		1		8 400			EPTA	

\* Allocated by the UNICEF Executive Board.

SOUTH-EAST ASIA: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations		Number of posts			Source of funds	Estimated obligations			
1965	1966	1967			1965	1966	1967		1965	1966	1967	
			US \$	US \$	US \$					US \$	US \$	US \$
<b>Ceylon (continued)</b>												
ENVIRONMENTAL HEALTH												
1	1	1	20 191	13 569	21 775	64						
					3 600	200						
1	1	1	20 191	13 569	25 375							
EDUCATION AND TRAINING												
3	3	2	43 908	56 224	31 830	47						
						201				3 600	EPTA	
3	3	2	43 908	56 224	31 830					3 600		
8	9	5	149 755	193 502	160 371		5	6	4	58 418	66 434	72 347
Total - CEYLON												
<u>Total Estimated Government Contribution</u>												
INDIA												
(For text, see page 174)												
MALARIA												
6	6	6	237 602	236 373	239 365	153						
TUBERCULOSIS												
						28						100 000*
						53	5	5	4	90 566	97 697	56 851
						103	6	4	8	75 156	62 189	104 451
			4 800			225				2 200	3 600	751 000*
						201						745 000*
			4 800				11	9	12	167 922	163 486	161 302
VENEREAL DISEASES AND TREPONEMATOSES												
			2 300			219						851 000
												845 000
BACTERIAL DISEASES												
				5 400	2 100	173						
				2 400		200						
				7 800	2 100							

\* Allocated by the UNICEF Executive Board.



SOUTH-EAST ASIA : COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Source of funds	Other Extra-budgetary Funds			
Number of posts			Estimated obligations			Number of posts				Estimated obligations			
1965	1966	1967	1965		1966	1967	1965	1966		1967	1965	1966	1967
			US \$	US \$	US \$		US \$	US \$	US \$		US \$	US \$	US \$
<u>India</u> (continued)													
SOCIAL AND OCCUPATIONAL HEALTH													
1	2	1	4 674	28 537	14 398	194					26 000*	26 000*	
Medical rehabilitation													
HEALTH EDUCATION													
1	1	1	10 768	13 073	19 683	108	1	2	2	14 234	24 345	35 532	EPTA
1	1	1	7 076	14 092	14 949	180							
Health education													
Health education in schools													
Training in health education													
2	2	2	17 844	27 165	34 632	190	1	2	2	14 234	24 345	35 532	
MATERNAL AND CHILD HEALTH													
7	7	3	69 006	92 631	53 581	114							90 500*
Paediatric education													
MENTAL HEALTH													
			5 000			220							
Seminar on teaching of psychiatry at undergraduate level													
NUTRITION													
1	1	1	11 704	14 118	16 106	181							878 000*
Applied nutrition programme													
RADIATION AND ISOTOPES													
	1			15 300	11 217	187							
			9 178	6 680	22 000	192							
Training of technicians (radiographers)													
Radiation medicine centre, Bombay													
	1		9 178	21 980	33 217	195							
Course in radiological physics, Bombay													
ENVIRONMENTAL HEALTH													
			11 056	10 200		170	1	1		231 231	197 887		UNSP
			13 356	15 400	10 300	176				95 200	140 000		UNSP
Survey of water supply resources of Greater Calcutta													
Central Public Health Engineering Research Institute, Nagpur													
						210	1	1	1	17 700	8 961	25 828	EPTA
						211		1	1		8 945	9 975	EPTA
Public health engineering education													
Environmental health (states undesignated)													
			17 700		6 800	224							
Course for water treatment plant operating staff													
					10 200	226							
Water pollution control programme													
			3 700			227							
Rural water supplies													
						200							
			45 812	25 600	27 300		2	3	2	344 131	355 793	35 803	
Fellowships													
EDUCATION AND TRAINING													
			17 820	20 500	30 700	91							133 300*
Training in preventive and social medicine													
						111							100 000*
Medical education													
						183	3	3	3	141 000	137 600	137 600	EPTA
Medical education, Gujarat													
			6 400		5 100	199	1	1		10 222	12 920		EPTA
Training of electro-medical technicians													
			1 000			221							
Seminars and workshops on medical education													
						200							
Fellowships													
			25 220	20 500	35 800		4	4	3	151 222	150 520	137 600	

\* Allocated by the UNICEF Executive Board.

<sup>1</sup> UNSP = United Nations Special Fund.

SOUTH-EAST ASIA: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds				
Number of posts			Estimated obligations		Number of posts			Source of funds	Estimated obligations				
1965	1966	1967			1965	1966	1967		1965	1966	1967		
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$	
<u>India (continued)</u>													
OTHER ACTIVITIES													
		3 600	16 300	222									
		Drug laboratory techniques and biological standardization											
37	41	37			28	30	33	788 528	860 626	577 132	2 652 400	3 715 000	1 223 000
		723 529	814 650										
		886 094											
Total - INDIA													
<u>Total Estimated Government Contribution</u>													
<b>INDONESIA</b>													
(For text, see page 178)													
MALARIA													
13	8	6		32.01									
	1	1		32.02									
		131 786	123 091										
		3 000	21 210										
13	9	7											
		134 786	144 301										
		115 204											
TUBERCULOSIS													
5	5	2		50									
		64 981	68 941										
		59 992											
VENEREAL DISEASES AND TREPONEMATOSIS													
			20 400	1									
Yaws control													
LEPROSY													
1	1	1		9									
		25 626	16 275										
		22 166											
PUBLIC HEALTH ADMINISTRATION													
		7 300		29									
		34 900	3 400	40									
1	1	1		55									
		5 255	14 641	60									
1	1	1		67									
		5 255	20 141										
		16 155	14 956										
2	3	3											
		52 710	54 337										
		54 234											
VITAL AND HEALTH STATISTICS													
			6 700	200									
Fellowships													
NURSING													
1	1	1		41									
		15 293	12 615										
		18 161											
Nursing education													
(15 729 757)(12 244 247)(11 938 821)													





## SOUTH-EAST ASIA: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds				
Number of posts			Estimated obligations		Number of posts			Source of funds	Estimated obligations				
1965	1966	1967			1965	1966	1967		1965	1966	1967		
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$	
<b>MONGOLIA</b>													
(For text, see page 180)													
TUBERCULOSIS													
				Tuberculosis control	3	3	2	3	20 406	22 071	34 655	EPTA	
PUBLIC HEALTH ADMINISTRATION													
3	3	3	65 152	49 600	57 431	Strengthening of health services (epidemiology)	1						
						Public health laboratory services	2	1	1	1	22 488	16 406	17 642
3	3	3	65 152	49 600	57 431			1	1	1	22 488	16 406	17 642
MATERNAL AND CHILD HEALTH													
						Maternal and child health services	4	1	1	1	5 695	5 200	5 200
ENVIRONMENTAL HEALTH													
						Community water supply	5	1	1	1	8 286	19 606	21 542
EDUCATION AND TRAINING													
			3 200		7 200	Fellowships (medical education)	200						
						Fellowships (medical education)	201				18 600	10 800	7 200
			3 200		7 200						18 600	10 800	7 200
3	3	3	68 352	49 600	64 631	Total - MONGOLIA		6	5	6	75 475	74 083	86 239
<b>NEPAL</b>													
(For text, see page 180)													
MALARIA													
20	21	20	213 368	223 884	217 470	Eradication programme	1						
TUBERCULOSIS													
3	3	3	41 305	39 929	59 008	Tuberculosis and other communicable diseases	16						
VIRUS DISEASES													
1	1	1	14 370	15 024	12 600	Smallpox control pilot project	9						
													104 000*

\* Allocated by the UNICEF Executive Board.



## SOUTH-EAST ASIA: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds									
Number of posts		Estimated obligations			Number of posts		Estimated obligations			Estimated obligations								
1965	1966	1967	1965		1966	1967	1965	1966	1967	Source of funds	1965	1966	1967					
			US \$	US \$	US \$						US \$	US \$	US \$					
<b>THAILAND</b>																		
(For text, see page 182)																		
<b>MALARIA</b>																		
9	9	9	96 957	109 417	123 750	Eradication programme												
<b>TUBERCULOSIS</b>																		
						Tuberculosis control	42	3	3	4	39 821	59 051	41 497	EPTA		56 000*	54 000	
<b>PARASITIC DISEASES</b>																		
1	1		11 658	15 303	12 700	Filaria control	12											
<b>VIRUS DISEASES</b>																		
1	1		16 603	9 201	8 800	Trachoma control	43									24 700*		
1	1		10 696	15 361	13 900	Vector-borne disease control (haemorrhagic fever)	70											
2	2		27 299	24 562	22 700											24 700		
<b>LEPROSY</b>																		
5	5	4	72 922	78 399	70 806	Leprosy control	30									56 500*	45 000*	69 000
<b>VETERINARY PUBLIC HEALTH</b>																		
				3 600		Fellowships	200											
						Fellowships	201						3 600	EPTA				
				3 600									3 600					
<b>PUBLIC HEALTH ADMINISTRATION</b>																		
						Strengthening of health services (integration of specialized programmes)	2	3	2	2	45 050	35 110	26 877	EPTA	169 500*	263 000*	203 000	
						Strengthening of health services (epidemiology)	59	1	1	1	6 224	18 988	17 500	EPTA				
						Urban health services	74			3			22 600	EPTA				
					6 800	Strengthening of laboratory services	75											
			1 200			Fellowships (epidemiology)	200											
						Fellowships (public health administration)	201				12 450							
			1 200		6 800			4	3	6	63 724	54 098	66 977		169 500	263 000	203 000	
<b>VITAL AND HEALTH STATISTICS</b>																		
1	1		2 858	15 303	3 600	Vital and health statistics	37											
<b>NURSING</b>																		
						Advisory services	21	2	1	3	26 141	13 280	45 575	EPTA				
			7 150			Fellowships	200											
			7 150					2	1	3	26 141	13 280	45 575					

\* Allocated by the UNICEF Executive Board.







**EUROPE : SUMMARY**

	Regional Office						Field Activities						Total					
	Number of posts			Estimated obligations			Number of posts			Estimated obligations			Number of posts			Estimated obligations		
	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967
			US \$	US \$	US \$				US \$	US \$	US \$				US \$	US \$	US \$	
Regular budget .....	85	88	90	784 311	866 221	920 240	77	84	89	1 723 258	1 802 197	1 939 551	162	172	179	2 507 569	2 668 418	2 859 791
Technical Assistance:																		
Expanded Programme of Technical Assistance							47	39	52	546 844	522 325	698 446	47	39	52	546 844	522 325	698 446
United Nations Special Fund .....							2	2	2	473 700	836 000	712 400	2	2	2	473 700	836 000	712 400
Funds-in-trust .....							1			7 400			1			7 400		
Other Extra-budgetary Funds .....										1 690 000	1 332 000	1 143 000				1 690 000	1 332 000	1 143 000
	85	88	90	784 311	866 221	920 240	127	125	143	4 441 202	4 492 522	4 493 397	212	213	233	5 225 513	5 358 743	5 413 637

EUROPE: REGIONAL OFFICE

(For text, see page 187)

Regular Budget						Technical Assistance				Other Extra-budgetary Funds				
Number of posts			Estimated obligations			Number of posts			Estimated obligations			Source of funds		
1965	1966	1967	1965			1966	1967	1965	1966	1967	1965		1966	1967
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$		
<b>OFFICE OF THE REGIONAL DIRECTOR</b>														
1	1	1	17 900	17 900	Regional Director	UG								
1	1	1	5 110	5 301	Reports officer	P1								
1	1	1	6 310	6 310	Administrative officer	P1								
1	1	1	4 837	5 290	Secretary	C6								
1	1	1	3 877	4 192	Clerk-stenographer	C4								
<b>PUBLIC INFORMATION</b>														
1	1	1	9 870	9 870	Information officer	F3								
1	1	1	6 220	6 405	Information officer	F2								
1	1	1	3 284	3 570	Secretary	C4								
<b>HEALTH SERVICES</b>														
1	1	1	14 612	15 020	Director	D2								
1	1	1	11 170	11 420	Assistant director	F5								
1	1	1	5 535	5 902	Administrative assistant	C7								
2	2	2	9 446	10 118	Secretaries	C5								
1	1	1	3 768	4 051	Clerk-stenographer	C4								
<b>EDUCATION AND TRAINING</b>														
2	2	2	21 137	21 377	Fellowships officers	P4								
1	1	1	7 565	7 775	Administrative officer	F2								
1	1	1	5 560	5 750	Administrative officer	P1								
1	1	1	5 370	5 684	Clerk	C6								
1	1	1	4 302	4 624	Clerk	C5								
1	1	1	3 637	4 050	Secretary	C4								
6	6	6	21 138	23 004	Clerk-stenographers	C4								
1	1	1	3 690	3 996	Clerk	C4								
1	1	1	2 714	2 942	Clerk	C3								
<b>Library</b>														
1	1	1	5 016	5 205	Librarian	P1								
1	1	1	3 950	4 268	Clerk	C4								
1	1	1	2 877	3 203	Clerk-typist	C3								
<b>TRANSLATION AND EDITORIAL</b>														
4	4	4	38 481	39 424	Translators	P4								
4	4	4	32 239	33 093	Translators	F3								
1	1	1	6 452	6 642	Translator	F2								
1	2	2	7 000	7 567	Secretaries	C4								
2	2	2	6 277	6 669	Clerk-stenographers	C3								



EUROPE: REGIONAL OFFICE

Regular Budget					Technical Assistance				Source of funds	Other Extra-budgetary Funds			
Number of posts			Estimated obligations			Number of posts				Estimated obligations			
1965	1966	1967	1965		1966	1967	1965	1966		1967	1965	1966	1967
			US \$	US \$	US \$				US \$	US \$	US \$		
<b>ADMINISTRATION AND FINANCE</b>													
1	1	1		11 378	11 620	Administration and finance officer							
1	1	1		4 198	4 521	Secretary	P5						
		1			3 275	Clerk-stenographer	C5						
<b>Budget and Finance</b>													
1	1	1		8 090	8 300	Budget and finance officer	P3						
1	1	1		7 460	7 670	Accountant	P2						
1	1	1		6 532	6 722	Budget officer	P2						
1	1	1		4 467	4 805	Accounts clerk	C6						
1	1	1		4 604	4 958	Accounts clerk	C5						
1	1	1		4 289	4 614	Cashier	C5						
2	2	2		7 181	7 783	Accounts clerks	C4						
1	1	1		3 471	3 766	Budget clerk	C4						
1	1	1		4 252	4 454	Clerk-stenographer	C4						
1	2	2		5 249	5 696	Clerk-typists	C3						
<b>Personnel</b>													
1	1	1		8 860	9 093	Personnel officer	P3						
1	1	1		5 799	6 193	Personnel assistant	C6						
1	1	1		4 119	4 438	Clerk-stenographer	C5						
1	1	2		3 252	6 812	Clerk-stenographers	C4						
<b>Conference Services</b>													
1	1	1		7 618	7 828	Conference officer	P2						
1	1	1		3 908	4 225	Secretary	C4						
<b>General Services</b>													
1	1	1		7 355	7 565	Administrative officer	P2						
1	1	1		6 500	6 500	Administrative officer	P1						
1	1	1		5 076	5 459	Registry clerk	C7						
1	1	1		4 464	4 811	Registry clerk	C5						
2	2	2		8 806	9 483	General services assistants	C5						
1	1	1		3 991	4 304	Pool supervisor	C5						
1	1	1		4 149	4 469	Documents clerk	C5						
1	1	1		4 044	4 367	Building supervisor	C4						
1	1	1		3 877	4 192	Telephone operator	C4						
1	1	1		3 669	3 974	Mail clerk	C4						
1	1	1		4 158	4 454	Travel clerk	C4						
4	4	4		14 577	15 766	Clerk-stenographers	C4						
1	1	1		3 492	3 788	Clerk	C4						
5	5	5		15 612	16 817	Clerk-stenographers	C3						
	1	1		2 496	2 713	Clerk	C3						
				33 114	39 448	Custodial staff							
85	88	90	486 680	509 451	545 505	Total established posts							



EUROPE: SUMMARY OF FIELD ACTIVITIES

Regular Budget				Technical Assistance							Other Extra-budgetary Funds				
Number of posts			Estimated obligations				Number of posts			Estimated obligations			Source of funds		
1965	1966	1967	1965	1966	1967		1965	1966	1967	1965	1966	1967	1965	1966	1967
			US \$	US \$	US \$					US \$	US \$	US \$			
27	29	28	459 249	387 188	379 066	Malaria							296 000	237 000	200 000
2	2	2	28 516	31 092	32 882	Tuberculosis	2	2	3	6 200	6 200	11 200	81 000	47 000	40 000
						Parasitic diseases							23 000		
2	2	2	42 216	39 392	30 582	Virus diseases	4	4	4	62 670	59 500	64 800	119 000	91 000	
						Leprosy	1	1		1 600		3 000	29 000		
				11 600		Veterinary public health									
16	16	21	265 226	313 681	343 368	Public health administration	15	12	17	175 410	156 383	191 337	742 000	517 000	478 000
4	4	5	91 004	95 216	106 381	Vital and health statistics	3	3	5	39 330	40 200	64 036			
			1 600	1 500	19 850	Dental health									
7	7	7	121 046	118 965	101 413	Nursing	4	3	3	60 787	60 500	88 000			
3	4	4	47 224	87 684	138 744	Social and occupational health	4	2	1	62 437	34 100	1 700			
2	2	2	81 016	54 992	90 382	Chronic and degenerative diseases	1	1		12 780	8 800	17 200			
				3 900	9 100	Health education	3	2	2	25 700	23 100	21 700			
2	2	2	56 816	50 392	55 882	Maternal and child health	2	2	2	29 000	28 500	31 400	400 000	440 000	425 000
2	2	2	40 996	44 992	53 382	Mental health	3	2	2	10 330	16 100	20 100			
1	1	1	22 040	21 666	21 200	Nutrition									
			10 000		2 500	Radiation and isotopes									
5	5	5	75 777	90 390	110 037	Environmental health	7	7	13	540 100	895 542	856 373			
4	8	8	366 632	435 447	423 682	Education and training	1	1	1	1 600	29 400	40 000			
			13 900	14 100	21 100	Other activities									
<u>77</u>	<u>84</u>	<u>89</u>	<u>1 723 258</u>	<u>1 802 197</u>	<u>1 939 551</u>	TOTAL	<u>50</u>	<u>41</u>	<u>54</u>	<u>1 027 944</u>	<u>1 358 325</u>	<u>1 410 846</u>	<u>1 690 000</u>	<u>1 332 000</u>	<u>1 143 000</u>

EUROPE: REGIONAL HEALTH OFFICERS

(For text, see page 187)

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Regular Budget					Technical Assistance				Source of funds	Other Extra-budgetary Funds		
Number of posts			Estimated obligations		Number of posts			Estimated obligations		Estimated obligations		
1965	1966	1967			1965	1966	1967			1965	1966	1967
			US \$	US \$	US \$				US \$	US \$	US \$	
Regional health officers in:												
1	1	1	9 053	9 300	Tuberculosis							
1	1	1	11 420	11 420	Virus diseases	P4						
3	3	3	37 211	37 787	Public health administration	P5						
1	1	1	11 062	11 316	Vital and health statistics	P5						
1	1	1	10 217	10 477	Vital and health statistics	P4						
1	1	1	11 420	11 420	Nursing	P4						
2	3	3	27 550	28 258	Social and occupational health	P4						
1	1	1	9 300	9 530	Chronic and degenerative diseases	P4						
1	1	1	13 100	13 100	Maternal and child health	P5						
1	1	1	12 380	12 665	Mental health	P5						
1	1	1	12 520	12 810	Environmental health	P5						
1	1	1	9 114	9 360	Environmental health	P4						
1	1	1	12 617	12 907	Education and training	P5						
1	1	1	9 114	9 360	Education and training	P4						
<u>Malaria Eradication</u>												
1	1	1	12 287	12 568	Regional health officer in malaria	P5						
1	1	1	11 420	11 420	Malariaologist	P4						
1	1	1	5 415	5 776	Administrative assistant	C7						
<u>Clerical and Stenographic Pool</u>												
3	3	3	12 368	13 324	Secretaries	C5						
1	1	1	4 252	4 454	Statistical clerk	C4						
15	15	16	59 463	67 462	Clerk-stenographers	C4						
39	40	41	273 470	301 283	Total established posts							
<u>Temporary staff</u>												
<u>Travel</u>												
			5 200	7 200	Duty							
			46 010	46 010								
<u>Common services</u>												
			10 717	12 173	Space and equipment services							
			12 355	12 394	Other services							
			5 600	5 827	Supplies and materials							
			262	320	Fixed charges and claims							
			5 250	6 582	Acquisition of capital assets							
			130 489	154 663	Other statutory staff costs							
39	40	41	489 353	546 452	Total - REGIONAL HEALTH OFFICERS							
				582 163								

EUROPE: WHO REPRESENTATIVES

(For text, see page 187)

Regular Budget						Technical Assistance				Other Extra-budgetary Funds				
Number of posts			Estimated obligations			Number of posts			Estimated obligations			Source of funds		
1965	1966	1967	1965			1966	1967	1965	1966	1967	1965		1966	1967
			US \$	US \$	US \$		US \$	US \$	US \$		US \$	US \$	US \$	
2	2	2		28 410	29 060									
1	1	2		12 119	23 053	Medical officers								
1	1	1		3 503	3 609	Medical officers								
1	1	1		2 595	2 683	Secretary								
1	1	1		2 536	2 624	Secretary								
		1			2 161	Secretary								
		1			2 621	Secretary								
1	1	1		2 317	2 423	Secretary								
		1			1 717	Secretary								
				4 046	5 786	Custodial staff								
7	7	11	53 974	55 526	75 737	Total established posts								
			4 476	5 000	2 500	Temporary staff								
			5 900	8 500	9 500	Travel								
						Duty								
			5 100	5 900	6 800	Common services								
			1 500	1 800	2 000	Other services								
			500	700	800	Supplies and materials								
			1 500	5 600	4 400	Fixed charges and claims								
						Acquisition of capital assets								
			25 580	29 498	39 892	Other statutory staff costs								
7	7	11	98 630	112 524	141 629	Total - WHO REPRESENTATIVES								

EUROPE: COUNTRY SCHEDULES

Regular Budget					Project No.	Technical Assistance						Other Extra-budgetary Funds				
Number of posts			Estimated obligations			Number of posts			Estimated obligations			Source of funds				
1965	1966	1967	1965			1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967
US\$			US\$			US\$			US\$			US\$				
<b>ALBANIA</b>																
(For text, see page 187)																
PUBLIC HEALTH ADMINISTRATION																
				4 900	2 700											
				4 900	2 700	6										
						7	1	1	1	29 000	21 000	19 200	EPTA			
							1	1	1	29 000	21 000	19 200				
CHRONIC AND DEGENERATIVE DISEASES																
Cancer control																
						5	1	1		4 180	1 800	6 200	EPTA			
EDUCATION AND TRAINING																
Fellowships																
	7 300	7 300	7 300			200										
	7 300	12 200	10 000				2	2	1	33 180	22 800	25 400				
Total - ALBANIA																
<u>Total Estimated Government Contribution</u>																
														(1 194 000) (1 460 000) (1 140 000)		
<b>ALGERIA</b>																
(For text, see page 188)																
MALARIA																
5	5	5	137 940	60 600	67 000	11.8										
TUBERCULOSIS																
Tuberculosis control																
						3			1			6 400	EPTA			
VIRUS DISEASES																
Communicable eye disease control																
						1	1	1	1	17 670	17 000	18 000	EPTA	45 000* 78 000*		
PUBLIC HEALTH ADMINISTRATION																
Development of public health services																
1	1	1	15 820	16 283	17 376	11								236 000* 125 000* 100 000		
Public health administration																
						11.1										
Public health laboratories																
						11.9			1			11 100	EPTA			
Hospital administration																
						16			1			5 600	EPTA			
1	1	1	15 820	16 283	17 376				2			16 700		236 000 125 000 100 000		
VITAL AND HEALTH STATISTICS																
Epidemiology and health statistics																
						11.6	1	1	2	17 630	15 600	30 900	EPTA			

\* Allocated by the UNICEF Executive Board.

EUROPE: COUNTRY SCHEDULES

Regular Budget					Project No.	Technical Assistance						Other Extra-budgetary Funds				
Number of posts			Estimated obligations			Number of posts			Estimated obligations			Source of funds				
1965	1966	1967	1965			1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967
			US\$	US\$	US\$											
<b>Algeria (continued)</b>																
<b>NURSING</b>																
						11.7	1	1	1	13 774	14 000	14 500	EPTA			
						14	2	2	2	27 513	25 000	35 500	EPTA			
							3	3	3	41 287	39 000	50 000				
<b>SOCIAL AND OCCUPATIONAL HEALTH</b>																
						6	2	2		29 137	28 100		EPTA			
<b>HEALTH EDUCATION</b>																
						11.4	1	1	1	15 900	18 200	18 700	EPTA			
<b>MATERNAL AND CHILD HEALTH</b>																
						12	2	2	2	29 000	28 500	31 400	EPTA			
<b>NUTRITION</b>																
1	1	1	22 040	21 666	21 200	11.5										
<b>ENVIRONMENTAL HEALTH</b>																
1	1	1	6 610	17 000	21 100	11.2										
						11.3	1	1	2	13 100	12 500	25 600	EPTA			
1	1	1	6 610	17 000	21 100		1	1	2	13 100	12 500	25 600				
<b>EDUCATION AND TRAINING</b>																
			3 900			13										
1	1		5 100	16 240	14 500	15										
			2 700	5 000	5 000	200										
1	1		11 700	21 240	19 500											
8	9	9	194 110	136 789	146 176		11	11	14	163 724	158 900	197 700		281 000	203 000	100 000
														(7 125)	(10 266)	(11 235)
<b>Total Estimated Government Contribution</b>																
<b>AUSTRIA</b>																
(For text, see page 189)																
<b>NURSING</b>																
				3 200		15										
<b>EDUCATION AND TRAINING</b>																
			7 200	7 200	7 200	200										
			7 200	10 400	7 200											
<b>Total - AUSTRIA</b>																

EUROPE: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts		Estimated obligations			Number of posts		Estimated obligations		Source of funds	Estimated obligations		
1965	1966	1967	1965		1966	1967	1965	1966		1967	1965	1966
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<b>BELGIUM</b>												
(For text, see page 189)												
EDUCATION AND TRAINING												
	8 300	8 300	8 300	Fellowships	200							
	8 300	8 300	8 300									
Total - BELGIUM												
-----												
<b>BULGARIA</b>												
(For text, see page 190)												
NURSING												
				Post-basic nursing and midwifery education	11			12 000	EPTA			
EDUCATION AND TRAINING												
	13 700	13 700	13 700	Fellowships	200							
	13 700	13 700	13 700					12 000				
Total - BULGARIA												
-----												
<b>CZECHOSLOVAKIA</b>												
(For text, see page 190)												
TUBERCULOSIS												
	1 600	1 600		Study on tuberculosis epidemiology and control	10							
EDUCATION AND TRAINING												
	3 200	3 200	3 200	Training institutes	9							
	9 800	9 800	9 800	Fellowships	200							
	13 000	13 000	13 000									
	14 600	14 600	13 000									
Total - CZECHOSLOVAKIA												
-----												
<u>Total Estimated Government Contribution</u>										(37 045)	(44 568)	(3 439)



EUROPE: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations			Number of posts	Estimated obligations			Source of funds		
1965	1966	1967	1965		1966		1967	1965	1966		1967	
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<b>DENMARK</b>												
(For text, see page 190)												
EDUCATION AND TRAINING												
	8 100	8 100	8 100	Fellowships	200							
	8 100	8 100	8 100	Total - DENMARK								
<b>FEDERAL REPUBLIC OF GERMANY</b>												
(For text, see page 190)												
EDUCATION AND TRAINING												
	10 300	10 300	10 300	Fellowships	200							
	10 300	10 300	10 300	Total - FEDERAL REPUBLIC OF GERMANY								
<b>FINLAND</b>												
(For text, see page 190)												
EDUCATION AND TRAINING												
	10 300	10 300	10 300	Fellowships	200							
	10 300	10 300	10 300	Total - FINLAND								
<b>FRANCE</b>												
(For text, see page 190)												
EDUCATION AND TRAINING												
	10 300	10 300	10 300	Fellowships	200							
	10 300	10 300	10 300	Total - FRANCE								

EUROPE: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds					
Number of posts		Estimated obligations			Number of posts		Estimated obligations		Estimated obligations					
1965	1966	1967	1965		1966	1967	1965	1966	1967	1965	1966	1967		
		US\$	US\$	US\$			US\$	US\$	US\$					
		US\$	US\$	US\$			US\$	US\$	US\$					
<b>GREECE</b>														
(For text, see page 191)														
PUBLIC HEALTH ADMINISTRATION														
				25	3	3	4	17 400	18 200	26 700	EPTA	64 000*		28 000
Development of public health services and training of personnel														
NURSING														
				17				3 800	3 800	4 000	EPTA			
Nursing education and administration														
SOCIAL AND OCCUPATIONAL HEALTH														
			1 700	31										
Occupational health services														
ENVIRONMENTAL HEALTH														
				35		1				3 700	EPTA			
Environmental sanitation														
EDUCATION AND TRAINING														
	7 300	7 300	7 300	200										
Fellowships														
	7 300	7 300	9 000											
Total - GREECE														
					3	3	5	21 200	22 000	34 400		64 000		28 000
<u>Total Estimated Government Contribution</u>														
												(770 167)	(835 667)	(713 334)
<b>HUNGARY</b>														
(For text, see page 191)														
PUBLIC HEALTH ADMINISTRATION														
				12				1 300	1 300		EPTA			
Rural health														
VITAL AND HEALTH STATISTICS														
				13				2 100	2 100		EPTA			
Health statistics														
NURSING														
				10						5 000	EPTA			
Nursing and midwifery education and administration														
ENVIRONMENTAL HEALTH														
				8		1		2 000		6 500	EPTA			
Training of sanitary engineers														
				11				2 000			EPTA			
Air pollution														
				14					2 000		EPTA			
Molecular biology														
						1		4 000	2 000	6 500				
Total - HUNGARY														

\* Allocated by the UNICEF Executive Board.

## EUROPE: COUNTRY SCHEDULES

Regular Budget					Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts		Estimated obligations				Number of posts		Estimated obligations		Source of funds	Estimated obligations'		
1965	1966	1967	1965			1966	1967	1965	1966		1967		
		US\$	US\$	US\$			US\$	US\$	US\$		US\$	US\$	US\$
<b>Hungary (continued)</b>													
EDUCATION AND TRAINING													
			5 200	1 800	7								
	13 800	13 800	13 800	13 800	200								
	13 800	19 000	15 600										
	13 800	19 000	15 600										
						1	7 400	5 400	11 500				
<b>ICELAND</b>													
(For text, see page 192)													
EDUCATION AND TRAINING													
	4 300	4 300	4 300		200								
	4 300	4 300	4 300										
<b>IRELAND</b>													
(For text, see page 192)													
EDUCATION AND TRAINING													
	9 400	9 400	9 400		200								
	9 400	9 400	9 400										
<b>ITALY</b>													
(For text, see page 192)													
NURSING													
	3 000		3 800		23								
EDUCATION AND TRAINING													
	9 800	9 800	9 800		200								
	12 800	9 800	13 600										



EUROPE: COUNTRY SCHEDULES

Regular Budget					Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts		Estimated obligations				Number of posts	Estimated obligations			Source of funds	Estimated obligations		
1965	1966	1967	1965				1966	1967	1965		1966	1967	
		US\$	US\$	US\$			US\$	US\$	US\$		US\$	US\$	US\$
<u>Morocco (continued)</u>													
VIRUS DISEASES													
					1	1	1	1	16 400	16 900	16 700	EPTA	
Communicable eye disease control													
PUBLIC HEALTH ADMINISTRATION													
					9								
					9.3	2	2	2	25 300	25 000	26 700	EPTA	442 000*
					22.2	1	1	1	6 700	10 100	12 000	EPTA	254 000*
			1 800		32								200 000
			1 800			3	3	3	32 000	35 100	38 700		442 000
													254 000
													200 000
VITAL AND HEALTH STATISTICS													
1	1	1	18 880	20 328	21 797	21.1							
						21.2	1	1	1	16 300	19 200	17 200	EPTA
			18 880	20 328	21 797		1	1	1	16 300	19 200	17 200	
NURSING													
2	2	2	29 260	29 250	28 290	9.2							
Nursing education													
SOCIAL AND OCCUPATIONAL HEALTH													
						24	1		16 700			EPTA	
Rehabilitation of the physically handicapped													
ENVIRONMENTAL HEALTH													
						12	2	2	3	29 100	30 900	49 185	EPTA
Environmental sanitation													
EDUCATION AND TRAINING													
2	2		12 000	37 190	42 848	23							
			3 800	3 800	3 800	200							
			15 800	40 990	46 648								
10	11	11	173 470	171 837	185 837		8	7	8	110 500	102 100	121 785	
Total - MOROCCO													442 000
													254 000
													200 000
													(852 101)
													(890 311)
													(890 311)
<u>Total Estimated Government Contribution</u>													
NETHERLANDS													
(For text, see page 19*)													
EDUCATION AND TRAINING													
			9 400	9 400	9 400	15							
Fellowships and lecturers													
			9 400	9 400	9 400								
Total - NETHERLANDS													

\* Allocated by the UNICEF Executive Board.

EUROPE: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Source of funds <sup>1</sup>	Other Extra-budgetary Funds		
Number of posts		Estimated obligations			Number of posts		Estimated obligations			Estimated obligations		
1965	1966	1967	1965		1966	1967	1965	1966		1967	1965	1966
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<b>NORWAY</b>												
(For text, see page 194)												
EDUCATION AND TRAINING												
	7 800	7 800	7 800	Fellowships	200							
	7 800	7 800	7 800									
-----												
<b>POLAND</b>												
(For text, see page 194)												
TUBERCULOSIS												
				Tuberculosis control	16	1 1 1	3 000	3 000	3 100	EPTA		
VITAL AND HEALTH STATISTICS												
				Health statistical services	24	1 1 1	3 300	3 300	3 100	EPTA		
NURSING												
				Post-basic nursing education	25				4 000	EPTA		
ENVIRONMENTAL HEALTH												
				Protection of natural waters against pollution	26	1 1 1	133 700	398 800	392 400	UNSF		
EDUCATION AND TRAINING												
	4 600	4 600	4 600	Training institutes	15							
	14 000	14 000	14 000	Fellowships	200							
	18 600	18 600	18 600									
	18 600	18 600	18 600									
-----												
				<u>Total - POLAND</u>		3 3 3	140 000	405 100	402 600			
-----												
<u>Total Estimated Government Contribution</u>										(12 311 798)(14 353 203)(14 867 075)		

<sup>1</sup> UNSF = United Nations Special Fund.



EUROPE: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance						Other Extra-budgetary Funds				
Number of posts			Estimated obligations			Number of posts			Estimated obligations			Source of funds			
1965	1966	1967	1965		1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967
	US \$	US \$	US \$				US \$	US \$	US \$				US \$	US \$	US \$
<b>SPAIN</b>															
(For text, see page 196)															
VIRUS DISEASES															
				Epidemiological studies of virus diseases of public health importance	25	1	1	1	6 600	3 600	7 100	EPTA			
VETERINARY PUBLIC HEALTH															
				Brucellosis	1.2	1		1	3 500		2 100	EPTA			
PUBLIC HEALTH ADMINISTRATION															
				Health demonstration and training area	30	1	2	1	16 000	25 200	24 300	EPTA			
VITAL AND HEALTH STATISTICS															
				Health statistical services	22										
	4 600	4 600	3 800												
SOCIAL AND OCCUPATIONAL HEALTH															
				Rehabilitation of handicapped children	23	1		1	14 600		1 700	EPTA			
EDUCATION AND TRAINING															
				Fellowships	200										
	7 300	7 300	7 300												
	11 900	11 900	11 100												
Total - SPAIN															
						4	3	4	40 700	28 800	35 200				
Total Estimated Government Contribution															
													(219 667)	(327 800)	(406 333)
<b>SWEDEN</b>															
(For text, see page 196)															
EDUCATION AND TRAINING															
				Fellowships	200										
	7 800	7 800	7 800												
	7 800	7 800	7 800												
Total - SWEDEN															



EUROPE: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds					
Number of posts			Estimated obligations		Number of posts			Estimated obligations	Source of funds	Estimated obligations				
1965	1966	1967			1965	1966	1967			1965	1966	1967		
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$		
<b>SWITZERLAND</b>														
(For text, see page 196)														
NURSING														
	1 300		1 700	18										
Study of the functions of nursing personnel														
EDUCATION AND TRAINING														
	6 000	6 000	5 000	200										
Fellowships														
	7 300	6 000	6 700											
Total - SWITZERLAND														
<u>Total Estimated Government Contribution</u>														
										(880)	(5 093)	(5 093)		
<b>TURKEY</b>														
(For text, see page 197)														
MALARIA														
8 11 10	120 182	141 755	121 677	23							296 000*	237 000*	200 000	
Eradication programme														
TUBERCULOSIS														
				13	1	1	1	3 200	3 200	1 700	EPTA	81 000*	47 000*	40 000
Tuberculosis control														
VIRUS DISEASES														
				31								74 000*	13 000*	
Trachoma control														
LEPROSY														
				11	1	1		1 600		3 000	EPTA	29 000*		
Leprosy control														
PUBLIC HEALTH ADMINISTRATION														
				40									138 000*	150 000
Development of public health services and training of personnel														
				40.1	2	2	2	27 620	32 783	32 437	EPTA			
Public health administration														
				45	1			7 400			PT			
Public health survey, Antalya														
					3	2	2	35 020	32 783	32 437			138 000	150 000
VITAL AND HEALTH STATISTICS														
	2 000	2 400	14 261	40.2										
Health statistical services														
				40.5		1				12 836	EPTA			
Training of statistical personnel														
	2 000	2 400	14 261			1				12 836				

\* Allocated by the UNICEF Executive Board.  
 1 PT - Funds-in-trust.

EUROPE: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds					
Number of posts			Estimated obligations			Source of funds <sup>1</sup>	Estimated obligations							
1965	1966	1967	1965		1966		1967	1965	1966	1967				
			US \$	US \$	US \$					US \$	US \$	US \$		
<b>Turkey (continued)</b>														
<b>NURSING</b>														
3	3	3	36 570	41 223	35 941									
<b>ENVIRONMENTAL HEALTH</b>														
1	1	1	6 443	13 402	15 314	29								
Nursing education														
Environmental health services														
Environmental sanitation														
Water supply and sewerage for the city of Istanbul and neighbouring industrial region														
1	1	1	6 443	13 402	15 314	40.3								
			6 000	5 700	5 700	40.4	1	1	2	16 600	13 042	27 538	EPTA	
			7 000	7 000	7 000	46	1	1	1	340 000	437 200	320 000	UNSF	
			13 000	12 700	12 700		2	2	3	356 600	450 242	347 538		
<b>EDUCATION AND TRAINING</b>														
School of public health, Ankara														
Fellowships														
12	15	15	178 195	211 480	199 893	16								
						200								
<b>Total - TURKEY</b>														
						7	5	8	396 420	486 225	397 511	480 000	435 000	390 000
<b>Total Estimated Government Contribution</b>														
<b>UNION OF SOVIET SOCIALIST REPUBLICS</b>														
(For text, see page 198)														
<b>EDUCATION AND TRAINING</b>														
			21 600	21 600	21 600	200								
Fellowships														
			21 600	21 600	21 600									
<b>Total - UNION OF SOVIET SOCIALIST REPUBLICS</b>														
<b>UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND</b>														
(For text, see page 198)														
<b>EDUCATION AND TRAINING</b>														
			7 400	7 400	7 400	200								
Fellowships														
			7 400	7 400	7 400									
<b>Total - UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND</b>														

<sup>1</sup> UNSF = United Nations Special Fund.

EUROPE: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations		Number of posts			Source of funds	Estimated obligations			
1965	1966	1967			1965	1966	1967		1965	1966	1967	
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<b>YUGOSLAVIA</b>												
(For text, see page 198)												
<b>MALARIA</b>												
	3	200		Eradication programme	30							
<b>PARASITIC DISEASES</b>												
				Mycosis control	8						23 000*	
<b>VIRUS DISEASES</b>												
				Virus diseases	38	6 000	6 000	6 000	EPTA			
<b>PUBLIC HEALTH ADMINISTRATION</b>												
				Public health administration	20	1	1	1	EPTA	8 200	4 200	4 300
				Fellowships	201	11 950	15 400	14 500	EPTA			
						1	1	1		20 150	19 600	18 800
<b>NURSING</b>												
				Nursing education	25	1 300	5 300	4 000	EPTA			
<b>SOCIAL AND OCCUPATIONAL HEALTH</b>												
				Rehabilitation of handicapped children	7	2 000	6 000		EPTA			
<b>CHRONIC AND DEGENERATIVE DISEASES</b>												
				Chronic diseases	37	6 000	4 000	4 000	EPTA			
<b>MATERNAL AND CHILD HEALTH</b>												
				Maternal and child health services	16.9						40 000*	
<b>EDUCATION AND TRAINING</b>												
	9 000	9 000	9 000	Fellowships	200							
	12 200	9 000	9 000									
				Total - YUGOSLAVIA		1	1	1		35 450	40 900	32 800
				<u>Total Estimated Government Contribution</u>							23 000	40 000
											(611 200)	(551 600)
												(560 000)

\* Allocated by the UNICEF Executive Board.

EUROPE: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations		Number of posts			Source of funds	Estimated obligations			
1965	1966	1967			1965	1966	1967		1965	1966	1967	
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<b>INTER-COUNTRY PROGRAMMES</b>												
(For text, see page 199)												
<b>MALARIA</b>												
	3 100	3 100	1 900	Eradication evaluation	232							
		2 500		Algeria/Morocco co-ordination meeting	307							
1 1 1	21 920	23 982	24 453	Entomological services to North African countries	319							
1 1 1	25 020	29 582	26 353									
<b>TUBERCULOSIS</b>												
	1 100			Meeting on tuberculosis control	306							
		1 700	4 000	Effectiveness of tuberculosis control services	321							
	1 100	1 700	4 000									
<b>VIRUS DISEASES</b>												
	16 400			Conference of chiefs of virological departments of public health laboratories	128.5							
		11 600		Trachoma control	184	1 1 1	16 000	16 000	17 000	EPTA		
			1 700	Symposium on methods of virus disease control	322							
				Poliomyelitis surveillance	374							
	16 400	11 600	1 700			1 1 1	16 000	16 000	17 000			
<b>VETERINARY PUBLIC HEALTH</b>												
		11 600		Symposium on collaboration between veterinary services and public health services	85.3							
<b>PUBLIC HEALTH ADMINISTRATION</b>												
		30 000		Travelling seminar on public health administration	12.7							
	7 500	7 500	8 000	Courses on public health practice	61							
	20 000	1 400		Training course on hospital and medical administration (Russian language)	138.3							
	1 600			Consultant study on health problems in regional planning and urbanization	288.1							
			26 500	Conference on the health aspects of regional planning	288.2							
	4 800			Study on comparative appraisal of medical care	294.1							
	12 000			Symposium on the estimation of hospital bed requirements	295							
		5 100		Study on the excessive consumption of medicaments	310							
				Conference on public health problems on Mediterranean countries	314	1	17 000			EPTA		
		4 000	5 600	Public health laboratory services	323							
		20 800		Conference on the organization of general hospitals	327							
			11 600	Seminar on methods of evaluation of public health programmes	375							
	45 900	68 800	51 700			1	17 000					



EUROPE: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Source of funds	Other Extra-budgetary Funds		
Number of posts			Estimated obligations		Number of posts			Estimated obligations		Estimated obligations		
1965	1966	1967			1965	1966	1967			1965	1966	1967
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<u>Inter-country Programmes (continued)</u>												
CHRONIC AND DEGENERATIVE DISEASES												
	20 100			Seminar on early detection of cancer	134.2							
		11 200		Studies on cancer control and treatment	134.3							
	8 500	8 500	20 000	Study of cardiovascular diseases	179.3							
	25 000			Seminar on public health measures in prevention and control of ischaemic heart disease and hypertension	179.4							
	1 600			Consultant study on emergency services for cardiovascular patients	179.5							
			6 000	Course on prevention and treatment of cardiac emergencies	179.6							
		7 500	7 500	Surveys of chronic rheumatoid arthritis	213.3							
			7 500	Training of teachers in cancer cytology	380							
			20 500	Seminar on the rehabilitation of patients with cardiovascular diseases	381							
	55 200	27 200	61 500									
HEALTH EDUCATION												
		2 600		Post-graduate courses for the training of health education specialists	330							
			9 100	Symposium on health education	382							
		2 600	9 100									
MATERNAL AND CHILD HEALTH												
			16 000	Symposium on child health in Europe	169.2							
	20 000			Seminar on paediatric education	277							
	11 000	11 000	11 000	Fellowships - International Children's Centre courses	299					400 000*	400 000*	425 000
		11 600		Symposium on the early detection and treatment of handicapping defects in children	332							
	31 000	22 600	27 000							400 000	400 000	425 000
MENTAL HEALTH												
	3 200		20 500	Epidemiology of mental disorders	192							
	11 980			Travelling seminar on psychiatric hospital care	261							
		5 600	4 000	Seminar on out-patient psychiatric services	300							
		11 600		Study of influence of social factors on mental health	333							
	15 180	17 200	24 500	Symposium on student health services	334							
RADIATION AND ISOTOPES												
	10 000		2 500	Seminar on public health aspects of the medical uses of ionizing radiation	234.2							
				Study of the treatment and disposal of radioactive wastes	383							
	10 000		2 500									

\* Allocated by the UNICEF Executive Board.



## EASTERN MEDITERRANEAN : SUMMARY

	Regional Office						Field Activities						Total					
	Number of posts			Estimated obligations			Number of posts			Estimated obligations			Number of posts			Estimated obligations		
	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967
				US \$	US \$	US \$				US \$	US \$	US \$				US \$	US \$	US \$
Regular budget .....	81	86	86	526 653	557 882	573 045	195	208	213	3 230 384	3 734 550	4 063 214	276	294	299	3 757 037	4 292 432	4 636 259
Technical Assistance:																		
Expanded Programme of Technical Assistance							93	91	95	1 071 636	1 215 118	1 510 057	93	91	95	1 071 636	1 215 118	1 510 057
Funds-in-trust .....							46	51	44	388 320	640 302	581 086	46	51	44	388 320	640 302	581 086
Other Extra-budgetary Funds .....										3 487 000	2 568 100	599 000				3 487 000	2 568 100	599 000
	81	86	86	526 653	557 882	573 045	334	350	352	8 177 340	8 158 070	6 753 357	415	436	438	8 703 993	8 715 952	7 326 402
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EASTERN MEDITERRANEAN: REGIONAL OFFICE

(For text, see page 204)

Regular Budget						Technical Assistance				Source of funds	Other Extra-budgetary Funds			
Number of posts			Estimated obligations			Number of posts			Estimated obligations					
1965	1966	1967	1965			1966	1967	1965	1966		1967	1965	1966	1967
			US \$	US \$	US \$				US \$	US \$	US \$			
<b>OFFICE OF THE REGIONAL DIRECTOR</b>														
1	1	1		17 900	17 900	Regional Director								
1	1	1		7 810	7 880	Reports officer								
1	1	1		5 608	5 798	Administrative assistant								
1	1	1		2 208	2 318	Secretary								
1	1	1		1 433	1 502	Clerk-stenographer								
<b>PUBLIC INFORMATION</b>														
1	1	1		9 420	9 640	Information officer								
1	1	1		5 608	5 798	Information assistant								
1	1	1		1 918	2 006	Secretary								
<b>HEALTH SERVICES</b>														
1	1	1		14 653	15 020	Director								
1	1	1		12 255	12 675	Public health administrator								
1	1	1		5 608	5 798	Administrative assistant								
1	1	1		2 429	2 539	Senior assistant								
2	2	2		4 593	4 688	Secretaries								
1	1	1		1 376	1 445	Clerk-stenographer								
1	4	4		4 056	4 276	Clerk-stenographers								
<b>EDUCATION AND TRAINING</b>														
1	1	1		9 013	9 260	Medical officer								
1	1	1		3 043	3 167	Fellowship assistant								
1	1	1		2 271	2 383	Fellowship clerk								
1	1	1		1 745	1 828	Secretary								
2	2	2		2 855	2 993	Clerk-stenographers								
1	1	1		1 088	1 143	Clerk-typist								
<b>ADMINISTRATION AND FINANCE</b>														
1	1	1		12 979	13 100	Administration and finance officer								
1	1	1		10 607	10 867	Administration and finance officer								
1	1	1		3 180	3 302	Liaison assistant (Cairo)								
1	1	1		1 877	1 961	Secretary								
1	1	1		1 560	1 629	Clerk-stenographer								



## EASTERN MEDITERRANEAN: REGIONAL OFFICE

Regular Budget					Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations		Number of posts			Source of funds	Estimated obligations			
1965	1966	1967			1965	1966	1967		1965	1966	1967	
	US\$	US\$	US\$			US\$	US\$	US\$		US\$	US\$	US\$
	<u>Administration and Finance</u> (continued)											
	<u>Supply Services</u>											
1	1	1	7 705	7 915	Supply officer							
1	1	1	2 447	2 557	Supply assistant	P2						
1	1	1	1 450	1 519	Clerk-stenographer	EM7						
1	1	1	1 111	1 166	Supply clerk	EM5						
1	1	1	1 088	1 143	Clerk-typist	EM4						
1	1	1	1 093	1 148	Records clerk	EM4						
			14 537	14 855	Custodial staff	EM4						
81	86	86	302 224	323 649	Total established posts							
	4 900	1 800	1 800		<u>Temporary staff</u>							
	18 000	18 000	18 000		<u>Travel</u>							
					Duty							
	6 000	6 000	6 000		<u>Other costs</u>							
					Public information supplies and materials							
	11 361	10 857	11 667		<u>Common services</u>							
	29 636	29 649	29 840		Space and equipment services							
	9 270	10 890	10 725		Other services							
	1 166	1 221	1 203		Supplies and materials							
	16 443	5 973	9 815		Fixed charges and claims							
					Acquisition of capital assets							
	127 653	149 843	151 217		<u>Other statutory staff costs</u>							
81	86	86	526 653	557 882	Total - REGIONAL OFFICE							
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EASTERN MEDITERRANEAN: SUMMARY OF FIELD ACTIVITIES

Regular Budget					Technical Assistance					Other Extra-budgetary Funds					
Number of posts			Estimated obligations		Number of posts			Source of funds	Estimated obligations						
1965	1966	1967			1965	1966	1967		1965	1966	1967				
			US \$	US \$	US \$				US \$	US \$	US \$				
58	60	60	842 443	930 221	930 376	Malaria	8	6	5	95 401	80 030	67 053	1 679 000	1 115 000	
8	6	6	108 955	79 695	88 220	Tuberculosis	14	18	12	163 630	222 441	159 070	175 000	276 100	
					10 700	Veneral diseases and treponematoses									
1	1		8 520	1 700	18 510	Bacterial diseases									
4	4	4	73 727	98 646	98 193	Parasitic diseases	7	6	5	64 261	73 852	51 102	129 000	76 000	
3	3	3	52 856	67 843	84 293	Virus diseases	4	4	3	49 340	40 707	27 531	76 000	58 000	
1	1	1	18 325	17 145	27 732	Leprosy									
46	51	51	654 425	727 352	756 951	Public health administration	36	35	41	431 840	510 419	604 511	1 324 000	218 000	32 000
6	6	4	69 368	56 026	37 023	Vital and health statistics	2	4	5	9 180	44 338	94 708			
1	1	1	28 288	34 031	21 619	Dental health									
19	21	23	201 859	307 669	332 686	Nursing	14	11	10	108 553	119 619	123 818		22 000	
2	2	2	29 892	27 915	41 658	Social and occupational health	1	4	6	13 200	57 217	95 900	15 000		
1	1	1	34 950	37 458	24 034	Chronic and degenerative diseases		1	1		16 837	16 563			
2	2	2	19 426	26 108	34 588	Health education	1	4	3	15 206	35 071	39 951			
4	3	3	58 724	48 765	70 610	Maternal and child health	14	13	12	59 934	148 057	131 913	89 000	463 000	567 000
3	3	2	41 586	82 657	44 088	Mental health	1	1		6 500	5 100				
5	5	6	60 726	78 487	108 263	Nutrition	3	3	4	38 500	33 510	46 524		28 000	
2	2	2	40 226	33 608	45 088	Radiation and isotopes	1	1		15 012	16 391				
10	11	12	220 255	190 932	271 149	Environmental health	11	7	8	113 883	94 490	135 106		113 000	
17	23	26	643 407	836 027	978 223	Education and training	19	21	21	246 832	328 794	473 399		199 000	
2	3	3	22 426	52 265	39 210	Other activities	3	3	3	28 684	28 549	23 994			
195	208	213	3 230 384	3 734 550	4 063 214	TOTAL	139	142	139	1 459 956	1 855 420	2 091 143	3 487 000	2 568 100	599 000

EASTERN MEDITERRANEAN: REGIONAL ADVISERS

(For text, see page 204)

Regular Budget					Technical Assistance				Source of funds	Other Extra-budgetary Funds									
Number of posts			Estimated obligations			Number of posts				Estimated obligations									
1965	1966	1967	1965		1966	1967	1965	1966		1967	1965	1966	1967						
			US \$	US \$	US \$				US \$	US \$	US \$								
<u>Regional advisers in:</u>																			
1	1	1		9 380	9 603	Tuberculosis													
1	1	1		10 325		Virus diseases													
3	3	3		34 218	35 054	Public health administration													
4	4	4		38 833	39 788	Public health administration													
1	1	1		11 758	11 018	Epidemiology													
1	1	1		11 378	11 420	Vital and health statistics													
1	1	2		10 693	19 883	Nursing													
1	1	1		9 774	10 022	Health education													
1	1	1		9 420	9 640	Maternal and child health													
1	1	1		9 034	9 280	Mental health													
1	1	1		9 793	10 043	Nutrition													
1	1	1		11 420	11 420	Radiation and isotopes													
1	1	1		11 540	11 805	Environmental health													
1	1	1		11 420	11 420	Environmental health													
1	1	1		9 640	9 870	Pharmaceutical and medical stores													
<u>Malaria Eradication</u>																			
1	1	1		11 620	11 902	Regional adviser in malaria													
1	1	1		10 455	10 715	Malariaologist													
1	1	1		9 659	9 892	Epidemiologist													
1	1	1		9 034	9 280	Entomologist													
1	1	1		10 108	10 368	Public health engineer													
1	1	1		5 623		Administrative assistant													
		1			2 608	Administrative assistant													
<u>Stenographic Pool</u>																			
4	4	4		8 820	9 170	Secretaries													
14	14	14		23 484	24 463	Secretaries													
3	3	3		3 632	3 742	Clerk-stenographers													
47	47	47		262 120	300 061	Total established posts													
<u>Travel</u>																			
				38 515	37 000	Duty													
<u>Common services</u>																			
				5 853	5 593	Space and equipment services													
				14 538	14 501	Other services													
				5 780	6 545	Supplies and materials													
				600	629	Fixed charges and claims													
				7 466	2 142	Acquisition of capital assets													
				125 573	154 618	Other statutory staff costs													
47	47	47		460 445	521 089	Total - REGIONAL ADVISERS													



EASTERN MEDITERRANEAN: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds				
Number of posts			Estimated obligations			Source of funds	Estimated obligations						
1965	1966	1967	1965		1966		1967	1965	1966	1967			
	US\$	US\$	US\$			US\$	US\$	US\$		US\$	US\$	US\$	
<b>ADEN</b>													
(For text, see page 204)													
<b>MALARIA</b>													
1	1	1	8 620	14 588	16 536	Pre-eradication programme	8						
<b>TUBERCULOSIS</b>													
			3 200			Tuberculosis control (pilot area)	9						
<b>MATERNAL AND CHILD HEALTH</b>													
						Maternal and child health	2				22 000*	18 000*	
<b>EDUCATION AND TRAINING</b>													
			7 000	5 000	5 000	Fellowships	200						
1	1	1	18 820	19 588	21 536	Total - ADEN					22 000	18 000	
<u>Total Estimated Government Contribution</u>													
											(275 497)	(285 634)	(285 634)
<b>CYPRUS</b>													
(For text, see page 204)													
<b>TUBERCULOSIS</b>													
						Tuberculosis control	6				19 000*		
<b>PUBLIC HEALTH ADMINISTRATION</b>													
			3 200			Rural health services	11				8 000*		
			3 200			National health planning	22				8 000		
<b>VITAL AND HEALTH STATISTICS</b>													
						Vital and health statistics	19	1		10 700	EPTA		
<b>NURSING</b>													
						Nursing education	1	1	1	8 450	5 446	EPTA	
<b>MENTAL HEALTH</b>													
				6 500	6 500	Fellowships	200						

\* Allocated by the UNICEF Executive Board.

## EASTERN MEDITERRANEAN : COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations		Number of posts			Estimated obligations	Source of funds	Estimated obligations		
1965	1966	1967			1965	1966	1967			1965	1966	1967
	US\$	US\$	US\$			US\$	US\$	US\$		US\$	US\$	US\$
<u>Cyprus (continued)</u>												
ENVIRONMENTAL HEALTH												
	3 200		5 400	18								
				21								
	3 200		5 400									
EDUCATION AND TRAINING												
	22 000	40 000	42 000	200			4 800	17 000	EPTA			
				201				4 800				
	22 000	40 000	42 000									
	28 400	46 500	53 900		1	2	8 450	20 946		27 000		
<u>Total - CYPRUS</u>												
<u>Total Estimated Government Contribution</u>												
ETHIOPIA												
(For text, see page 205)												
MALARIA												
4 4 4	60 580	65 337	63 921	14.02								
4 4 4	60 136	68 943	68 232	14.03	1	1	12 469	14 792	EPTA			
8 8 8	120 716	134 280	132 153		1	1	12 469	14 792				
TUBERCULOSIS												
				6	1	2 2	17 023	29 414	EPTA	65 000*	8 100	
PARASITIC DISEASES												
				24	1	1 1	5 300	14 542	EPTA			
VIRUS DISEASES												
			5 100	16						59 000*	58 000	
PUBLIC HEALTH ADMINISTRATION												
				3	1	1 1	15 564	17 024	EPTA			
3 3 2	50 789	41 796	29 116	25						150 000*		
			28 691	35								
3 3 4	50 789	41 796	57 807	37	1	1	15 409	14 274	EPTA			
					1	2 2	15 564	32 433		150 000		

\* Allocated by the UNICEF Executive Board.



## EASTERN MEDITERRANEAN: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds					
Number of posts		Estimated obligations			Number of posts	Estimated obligations			Source of funds	Estimated obligations				
1965	1966	1967	1965			1966	1967	1965		1966	1967			
		US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$	
<u>Ethiopia (continued)</u>														
VITAL AND HEALTH STATISTICS														
				Vital and health statistics	31	1				15 766	EPTA			
NUTRITION														
1	1	1	14 601	16 040	14 514	Nutrition department	30							
RADIATION AND ISOTOPES														
				Course for X-ray technicians	29	1	1	15 012	16 391		EPTA			
ENVIRONMENTAL HEALTH														
				Environmental health services	36		1			17 709	EPTA			
EDUCATION AND TRAINING														
3	2	1	48 994	34 954	20 240	Public health college and training centre, Gondar	9						81 000*	
3	3	3	30 236	50 198	58 482	Medical education	17							
			18 000	6 000	12 000	Fellowships	200							
						Fellowships	201			12 000	EPTA			
6	5	4	97 230	91 152	90 722					12 000			81 000	
18	17	17	283 336	283 268	300 296	Total - ETHIOPIA	5	7	7	65 368	107 572	118 958	274 000	147 100
<u>Total Estimated Government Contribution</u>														(2 262 690) (2 841 452) (2 847 498)
<u>IRAN</u>														
(For text, see page 206)														
MALARIA														
2	2	2	26 050	27 193	25 770	Eradication programme	1						985 000*	930 000
PARASITIC DISEASES														
						Bilharziasis control	38	2	2	1	25 262	21 560	5 100	EPTA
PUBLIC HEALTH ADMINISTRATION														
			3 400			National blood transfusion centre	33.01							
VITAL AND HEALTH STATISTICS														
			7 000			Fellowships	200							

\* Allocated by the UNICEF Executive Board.



EASTERN MEDITERRANEAN: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds													
Number of posts		Estimated obligations			Number of posts		Estimated obligations		Estimated obligations													
1965	1966	1967	1965		1966	1967	1965	1966	1967	Source of funds												
			US \$	US \$	US \$																	
<u>Iran (continued)</u>																						
OTHER ACTIVITIES																						
Laboratory for pharmaceutical quality control																						
6	9	8	165 684	182 601	187 109	53	1	1	1	7 550	14 203	14 979	EPTA									
Total - IRAN																						
							9	7	6	83 552	89 053	83 271										
<u>Total Estimated Government Contribution</u>																						
(13 320 644)(15 723 260)(20 376 823)																						
<b>IRAQ</b>																						
(For text, see page 208)																						
MALARIA																						
Eradication programme																						
4	4	4	56 265	59 543	73 786	11																
TUBERCULOSIS																						
Tuberculosis control																						
1	1	1	8 355	15 593	18 098	7																
BACTERIAL DISEASES																						
Diarrhoeal diseases training centre																						
		1			16 810	57																
PARASITIC DISEASES																						
Bilharziasis control																						
						15	3	2		30 299	32 650		EPTA									
PUBLIC HEALTH ADMINISTRATION																						
Advisory services in epidemiology																						
						42	1	1	1	14 818	16 260	16 250	EPTA									
Rural health advisory services																						
						49	3	3	3	57 362	61 364	58 875	EPTA									
							4	4	4	72 180	77 624	75 125										
NURSING																						
College of Nursing, Baghdad																						
3	3	3	36 118	39 076	39 138	37																
CHRONIC AND DEGENERATIVE DISEASES																						
Cancer control																						
1	1	1	14 150	17 358	15 134	43																
MATERNAL AND CHILD HEALTH																						
School health services																						
						23	1			4 200			EPTA									

\* Allocated by the UNICEF Executive Board.



## EASTERN MEDITERRANEAN: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Source of funds	Other Extra-budgetary Funds						
Number of posts		Estimated obligations			Number of posts		Estimated obligations			Estimated obligations						
1965	1966	1967	1965		1966	1967	1965	1966		1967						
		US \$	US \$	US \$						US \$	US \$	US \$				
<b>JORDAN</b>																
(For text, see page 209)																
<b>MALARIA</b>																
				6 800	Eradication programme	6	1	1	1	15 761	13 458	15 421	EPTA	15 000*		
<b>TUBERCULOSIS</b>																
1		12 239			Tuberculosis control (national pilot area)	29									29 000*	
<b>BACTERIAL DISEASES</b>																
1		8 520	1 700	1 700	Vaccine production	23										
<b>VIRUS DISEASES</b>																
				9 400	Communicable eye disease control	11	2		1	22 129	4 800	1 700	EPTA	6 000*		
				9 400	Virology laboratory	30										
							2		1	22 129	4 800	1 700		6 000		
<b>PUBLIC HEALTH ADMINISTRATION</b>																
		5 100			Public health laboratory	9										
<b>NURSING</b>																
					Nursing education	2	2	2	2	13 016	19 552	31 954	EPTA			
<b>SOCIAL AND OCCUPATIONAL HEALTH</b>																
		3 500		3 500	Rehabilitation services	28										
<b>MATERNAL AND CHILD HEALTH</b>																
1	1		18 657	14 022	School health services	21									86 000*	89 000
<b>NUTRITION</b>																
1	1	1	9 615	22 857	13 122	Nutrition	16									
<b>RADIATION AND ISOTOPIES</b>																
		6 300	3 000	3 000	Fellowships	200										
<b>EDUCATION AND TRAINING</b>																
				5 600	Health training institute	33										
		15 000	15 000	20 000	Fellowships	200										
		15 000	15 000	25 600	Fellowships	201				13 500	6 000	10 000	EPTA			
										13 500	6 000	10 000				
3	2	2	60 274	61 214	77 144	Total - JORDAN	5	3	4	64 406	43 810	59 075		21 000	115 000	89 000
														(576 867)	(576 867)	(576 867)
<u>Total Estimated Government Contribution</u>																

\* Allocated by the UNICEF Executive Board.

EASTERN MEDITERRANEAN: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds					
Number of posts		Estimated obligations			Number of posts		Estimated obligations		Estimated obligations					
1965	1966	1967	1965		1966	1967	1965	1966	1967	Source of funds <sup>1</sup>				
US \$	US \$	US \$				US \$	US \$	US \$		US \$	US \$	US \$		
<b>KUWAIT</b>														
(For text, see page 210)														
<b>VIRUS DISEASES</b>														
		1 700		Communicable eye disease control	2									
<b>NURSING</b>														
		3 000	3 000	Fellowships	200									
<b>SOCIAL AND OCCUPATIONAL HEALTH</b>														
				Rehabilitation of the physically handicapped	16	3	3	39 735	38 634	FT				
<b>MENTAL HEALTH</b>														
		3 500		Fellowships	200									
<b>ENVIRONMENTAL HEALTH</b>														
	1 400			Air pollution survey	11			5 900		FT				
				Solid wastes disposal	14	1		2 800		FT				
				Insect control	15	1		1 700		FT				
	1 400					2		10 400						
<b>EDUCATION AND TRAINING</b>														
	10 000	10 000	20 000	Fellowships	200									
	11 400	18 200	23 000											
<b>Total - KUWAIT</b>														
						2	3	3	10 400	39 735	38 634			
<b>Total Estimated Government Contribution</b>														
											(31 192)	(22 400)	(13 440)	
<b>LEBANON</b>														
(For text, see page 211)														
<b>MALARIA</b>														
	1 000	1 000	3 400	Eradication programme	7									
<b>PARASITIC DISEASES</b>														
				Bilharziasis control	45		1		3 900	EPTA				
<b>PUBLIC HEALTH ADMINISTRATION</b>														
	7 000	6 700	7 200	Rural health unit	4	2	2	2	16 096	22 851	26 675	EPTA	33 000*	32 000
				Blood bank	41									
	7 000	6 700	7 200			2	2	2	16 096	22 851	26 675		33 000	32 000

\* Allocated by the UNICEF Executive Board.

<sup>1</sup> FT = Funds-in-trust.

EASTERN MEDITERRANEAN: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds				
Number of posts			Estimated obligations		Number of posts			Estimated obligations	Source of funds <sup>1</sup>	Estimated obligations			
1965	1966	1967			1965	1966	1967			1965	1966	1967	
							US \$	US \$	US \$		US \$	US \$	US \$
<u>Lebanon (continued)</u>													
NURSING													
		1 900		Nursing education	10								
SOCIAL AND OCCUPATIONAL HEALTH													
				Occupational health	25	2			32 033	EPTA			
1	1	1	9 910 13 434 6 527	Rehabilitation of the physically handicapped	31								
1	1	1	9 910 13 434 6 527			2			32 033				
HEALTH EDUCATION													
			5 900	Health education services	1								
MENTAL HEALTH													
			3 000	Fellowships	200								
ENVIRONMENTAL HEALTH													
				Environmental health	17	1 1	13 476	8 488		EPTA			
		3 400		Municipal health services	42								
		3 400				1 1	13 476	8 488					
EDUCATION AND TRAINING													
		10 000	15 000	Fellowships	200								
			20 000	Fellowships	201		8 000	8 000	7 000	EPTA			
		10 000	15 000				8 000	8 000	7 000				
OTHER ACTIVITIES													
	1	1	14 857	Management of pharmacy and medical stores	36								
1	2	2	31 310 52 891 59 649										
Total - LEBANON						3 3 5	37 572	39 339	69 608		33 000		32 000
<u>Total Estimated Government Contribution</u>											(315 129)	(321 580)	(315 129)
<b>LIBYA</b>													
(For text, see page 212)													
MALARIA													
	1	1	19 845	Eradication programme	9	1	8 800			FT			
			23 500										
			20 267										
TUBERCULOSIS													
				Tuberculosis control	22	{ 4 1 1	48 540	15 390	16 722	EPTA			
						{ 3 8 1	19 370	82 925	13 962	FT			
						{ 7 9 2	67 910	98 315	30 684				

<sup>1</sup> FT = Funds-in-trust.

EASTERN MEDITERRANEAN: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance						Other Extra-budgetary Funds			
Number of posts			Estimated obligations		Number of posts			Estimated obligations	Source of funds	Estimated obligations				
1965	1966	1967			1965	1966	1967			1965	1966	1967		
			US \$				US \$	US \$	US \$			US \$	US \$	US \$
<b>Libya (continued)</b>														
PARASITIC DISEASES														
					24	1	1	1	3 400	5 100	5 100	EPTA		
NURSING														
3	5	5	31 145	53 011	54 422									22 000*
HEALTH EDUCATION														
					25									
MATERNAL AND CHILD HEALTH														
					2	5	5	5	15 897	58 467	55 821	FT		
					12	1	1	1	9 824	10 552	11 518	FT		
					21	6	6	6	18 228	66 858	64 574	FT		
						12	12	12	43 949	135 857	131 913			
NUTRITION														
					20	1	1	1	9 300	17 018	21 806	EPTA		
EDUCATION AND TRAINING														
					7	2	2		15 538	19 295	46 520	EPTA		
			25 000	25 000	28 000	200	2	4	14 493	24 972	46 520	FT		
						201					13 500	EPTA		
			25 000	25 000	28 000		4	4	30 031	44 267	60 020			
4	6	6	75 990	101 511	108 789		26	27	163 390	300 557	249 523			22 000
Total - LIBYA														
<b>PAKISTAN</b>														
(For text, see page 213)														
MALARIA														
					36									351 000*
			141 842	149 517	147 203	49								
			105 632	111 868	108 282									
			247 474	261 385	255 485									351 000
9	9	9												
6	6	6												
15	15	15												
TUBERCULOSIS														
					50	1	3	4	25 900	46 172	51 558	EPTA	38 000*	239 000*

\* Allocated by the UNICEF Executive Board.  
 FT = Funds-in-trust.



## EASTERN MEDITERRANEAN: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations			Source of funds	Estimated obligations					
1965	1966	1967	1965		1966		1967	1965	1966	1967		
			US \$	US \$	US \$		US \$	US \$	US \$			
Pakistan (continued)												
VIRUS DISEASES												
Communicable eye disease control												
						40	1	3 400		EPTA		
LEPROSY												
1	1	1	18 325	15 645	16 932	39						
Leprosy control												
PUBLIC HEALTH ADMINISTRATION												
Public health institute, East Pakistan												
	3	3	18 100	57 259	62 390	33	2	2 2	25 300	28 177	31 823	EPTA
National health laboratories, Islamabad												
1			18 900			48						
Public health advisory services - East Pakistan												
1	1		21 061	5 800		51						
- West Pakistan												
			5 100	5 100		52						914 000*
Advisory services in epidemiology and health statistics												
2	4	3	63 161	68 159	62 390	64	2	2 2	25 300	28 177	31 823	EPTA
VITAL AND HEALTH STATISTICS												
Hospital and health centre statistics												
						57	1	2 2	5 300	24 988	30 429	EPTA
NURSING												
Nursing education - East Pakistan												
3	3	2	27 135	35 376	20 319	30						
- West Pakistan												
						44	1		9 000			EPTA
3	3	2	27 135	35 376	20 319		1		9 000			
SOCIAL AND OCCUPATIONAL HEALTH												
Orthopaedic workshop												
					16 100	42			7 200			EPTA
Occupational health												
					16 100	66			7 200			
RADIATION AND ISOTOPES												
Fellowships												
					11 000	200						
ENVIRONMENTAL HEALTH												
Teaching of sanitary engineering, Lahore												
1	1	1	12 000	16 176	18 682	34						
Community water supply and rural sanitation, West Pakistan												
2	2	2	28 500	32 304	30 050	54						
Environmental health services												
1	1	1	13 000	17 156	19 162	55						113 000*
Air pollution												
			6 500		6 500	68						
Fellowships												
						200						
4	4	4	60 000	65 636	79 494							113 000

\* Allocated by the UNICEF Executive Board.

EASTERN MEDITERRANEAN: COUNTRY SCHEDULES

Regular Budget					Project No.	Technical Assistance				Source of funds	Other Extra-budgetary Funds			
Number of posts			Estimated obligations			Number of posts			Estimated obligations					
1965	1966	1967	1965			1966	1967	1965	1966		1967	1965	1966	1967
	US \$	US \$	US \$				US \$	US \$	US \$		US \$	US \$	US \$	
<b>Pakistan (continued)</b>														
EDUCATION AND TRAINING														
		11 600		Institute of Hygiene, Lahore	11									
	20 000	16 000	40 000	Fellowships	200									
				Fellowships	201			20 000		EPTA				
	20 000	27 600	40 000					20 000						
25	27	25	436 095	473 801	501 720	Total - PAKISTAN	5	8	8	72 700	102 737	133 810	1 318 000	752 000
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<u>Total Estimated Government Contribution</u>													(17 288 959)	(15 517 663)
<b>QATAR</b>														
(For text, see page 215)														
ENVIRONMENTAL HEALTH														
			9 100	Environmental health	1									
			9 100	Total - QATAR										
---	---	---	-----				---	---	---	-----	-----	-----	-----	-----
<b>SAUDI ARABIA</b>														
(For text, see page 215)														
MALARIA														
3	3	3	50 516	55 072	50 448	Pre-eradication programme	4							
TUBERCULOSIS														
3	3	3	47 472	41 994	47 534	Tuberculosis control (national pilot area)	13							
PARASITIC DISEASES														
	3 600	3 900	3 600	Bilharziasis control	24									
VIRUS DISEASES														
			8 400	Smallpox eradication	30									

## EASTERN MEDITERRANEAN: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance						Other Extra-budgetary Funds			
Number of posts			Estimated obligations			Number of posts			Estimated obligations			Source of funds		
1965	1966	1967	1965		1966	1967	1965	1966	1967	1965	1966		1967	
	US \$	US \$	US \$				US \$	US \$	US \$			US \$	US \$	US \$
<b>Saudi Arabia (continued)</b>														
<b>PUBLIC HEALTH ADMINISTRATION</b>														
2	2	2	25 913	31 535	32 529	7	1	2	2	6 385	30 411	31 364	FT	
						29	17	17	17	189 293	238 757	247 783	FT	
						34	1			21 794			FT	
2	2	2	25 913	31 535	32 529		19	19	19	217 472	269 168	279 147		
<b>CHRONIC AND DEGENERATIVE DISEASES</b>														
<b>Cancer control</b>														
						39		1	1		16 837	16 563	FT	
<b>ENVIRONMENTAL HEALTH</b>														
<b>Community water supply</b>														
						33	1			6 645			FT	
<b>Sanitary engineering and municipal programming</b>														
						38	1	1	1	20 334	22 679	22 806	FT	
							2	1	1	26 979	22 679	22 806		
<b>EDUCATION AND TRAINING</b>														
<b>Health assistants' and sanitarians' institute</b>														
						15	1	1		5 780	10 010		FT	
<b>Training of medical and health personnel</b>														
			11 000	15 000	15 000	35	2	2	2	22 397	20 373	24 226	FT	
<b>Fellowships</b>														
						200						9 000	EPTA	
<b>Fellowships</b>														
						201							FT	
						204				4 150				
			11 000	15 000	15 000		3	3	2	32 277	30 383	33 226		
<b>OTHER ACTIVITIES</b>														
<b>Management of pharmacy and medical stores</b>														
						36	1	1	1	8 080	12 646	7 315	FT	
8	8	8	138 501	147 501	157 511		25	25	24	284 808	351 713	359 057		
<b>Total - SAUDI ARABIA</b>														
<b>Total Estimated Government Contribution</b>														
<b>SOMALIA</b>														
<b>(For text, see page 216)</b>														
<b>MALARIA</b>														
<b>Pre-eradication programme</b>														
1	2	2	28 880	35 403	29 834	2	3	2	2	39 762	30 290	31 932	EPTA	
<b>TUBERCULOSIS</b>														
<b>Tuberculosis control</b>														
						11	5	4	4	52 797	48 540	49 940	EPTA	53 000*
											(4 333 333) (5 728 889)			

\* Allocated by the UNICEF Executive Board.

1 FT = Funds-in-trust.

EASTERN MEDITERRANEAN: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance						Other Extra-budgetary Funds		
Number of posts			Estimated obligations			Source of funds	Estimated obligations						
1965	1966	1967	1965		1966		1967	1965	1966	1967			
			US \$	US \$	US \$						US \$	US \$	US \$
<b>Somalia (continued)</b>													
VENEREAL DISEASES AND TREPONEMATOSIS													
					10 700								
					Venereal disease survey	29							
PUBLIC HEALTH ADMINISTRATION													
					Basic health services	13	2 2 4	27 750	30 735	52 932	EPTA	74 000*	64 000*
					Organization of medical care	20	1	16 908			EPTA		
1	1		27 049	18 438	Public health laboratory services	25							
					Public health advisory services	27.01	2 2	7 100		32 138	EPTA		
1	1		27 049	18 438			5 2 6	51 758	30 735	85 070		74 000	64 000
DENTAL HEALTH													
1	1	1	13 888	19 631	21 619	26							
					Training of dental assistants, Hargeisa								
NURSING													
					Nursing education	15	2 2 2	19 787	22 542	21 955	EPTA		
ENVIRONMENTAL HEALTH													
1	2	2	22 926	38 059	29 690	18							
					Environmental health services								
EDUCATION AND TRAINING													
3	3	5	44 700	50 056	65 557	8							
		2			Health training institute	27.02							
			43 500	43 500	40 000	200							
					Fellowships	201		7 000	14 000	20 000	EPTA		
3	3	7	88 200	93 556	138 969			7 000	14 000	20 000			
OTHER ACTIVITIES													
					Management of pharmacy and medical stores	21	1	13 054			EPTA		
6	9	13	153 894	213 698	249 250								
Total - SOMALIA													
							16 10 14	184 158	146 107	208 897		127 000	64 000
<u>Total Estimated Government Contribution</u>													
(179 201)													
<b>SUDAN</b>													
(For text, see page 217)													
MALARIA													
4	4	4	47 780	49 834	49 761	6							
					Pre-eradication programme	32							
2	2	2	29 534	27 546	27 045								
					Eradication training centre								
6	6	6	77 314	77 380	76 806								

\* Allocated by the UNICEF Executive Board.

## EASTERN MEDITERRANEAN: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations			Source of funds	Estimated obligations					
1965	1966	1967	1965		1966		1967	1965	1966	1967		
			US\$	US\$	US\$		US\$	US\$	US\$	US\$	US\$	US\$
Sudan (continued)												
PARASITIC DISEASES												
	1				22 818							
1	1	1	17 167	19 500	21 286	5						
Bilharziasis control training centre												
Onchocerciasis control												
VIRUS DISEASES												
			8 400	3 700		15	2	2	2	27 211	30 807	25 831
			8 400	3 700		28						
Communicable eye disease control												
Smallpox eradication												
				1 500	3 400	12						
LEPROSY												
Leprosy control												
PUBLIC HEALTH ADMINISTRATION												
						19	1			10 348		
						35		3			35 400	
Rural health demonstration area												
Medical research centre												
							1	3		10 348	35 400	
VITAL AND HEALTH STATISTICS												
1	1		18 727	19 852		38						
Advisory services												
NURSING												
3	1		21 368	17 384	12 600	7						
Nursing education, Khartoum												
CHRONIC AND DEGENERATIVE DISEASES												
	1				18 118	30						
Cancer control												
MENTAL HEALTH												
				17 100		43						
				6 500	6 000	200						
Electro-encephalography												
Fellowships												
				23 600	6 000							
NUTRITION												
1	1	1	7 084	17 482	16 933	20						
Nutrition Division, Khartoum												
ENVIRONMENTAL HEALTH												
1	1	1	27 027	20 521	22 849	36						
			4 800		5 100	41		1			11 200	EPTA
Environmental health												
Treatment of industrial wastes												
Community water supply, Gezira												
1	1	1	31 827	20 521	27 949	42					11 200	

\* Allocated by the UNICEF Executive Board.

EASTERN MEDITERRANEAN : COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds												
Number of posts			Estimated obligations			Number of posts	Estimated obligations			Estimated obligations											
1965	1966	1967	1965		1966		1967	1965	1966	1967	1965	1966	1967								
			US\$	US\$	US\$																
<b>Sudan (continued)</b>																					
<b>EDUCATION AND TRAINING</b>																					
1	2	2	8 528	24 279	31 385	Teaching of paediatrics	39														12 000*
			24 335	16 500	20 000	Fellowships	200														
						Fellowships	201						16 000	EPTA							
1	2	2	32 863	40 779	51 385								16 000								12 000
14	13	13	214 750	241 698	257 295	<b>Total - SUDAN</b>	<b>2</b>	<b>3</b>	<b>6</b>	<b>27 211</b>	<b>41 155</b>	<b>88 431</b>			<b>11 000</b>	<b>40 000</b>					
<b>Total Estimated Government Contribution</b>																					
<b>SYRIA</b>																					
(For text, see page 219)																					
<b>MALARIA</b>																					
2	2	2	16 953	17 611	23 036	Eradication programme	2	1	1	1	17 009	19 790	18 000	EPTA	31 000*						
<b>TUBERCULOSIS</b>																					
1			18 263			Tuberculosis control (national pilot area)	45														
<b>PARASITIC DISEASES</b>																					
				3 400	7 400	Bilharziasis control	4														
<b>VIRUS DISEASES</b>																					
	2			5 400	26 403	Communicable eye disease control	20														
<b>PUBLIC HEALTH ADMINISTRATION</b>																					
1	1	1	15 414	17 282	19 233	Rural health unit	16	3	3	3	33 470	39 083	41 478	EPTA							
						Public health and endemic diseases laboratory	30														
1	1	1	15 414	17 282	19 233			3	3	3	33 470	39 083	41 478								
<b>NURSING</b>																					
2	3	3	18 200	29 717	35 541	Nursing education, Damascus	37														
<b>ENVIRONMENTAL HEALTH</b>																					
						Training of sanitarians	39	1	1	1	10 913	11 507	11 943	EPTA							

\* Allocated by the UNICEF Executive Board.

## EASTERN MEDITERRANEAN: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations		Number of posts			Estimated obligations	Source of funds	Estimated obligations		
1965	1966	1967			1965	1966	1967			1965	1966	1967
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<b>Syria (continued)</b>												
<b>EDUCATION AND TRAINING</b>												
	18 000	30 000	15 000	47	2	3	9 600	42 136	EPTA			
	18 000	30 000	15 000	200				7 000	EPTA			
	18 000	30 000	15 000	201	2	3	9 600	49 136				
6	6	8	86 830		5	7	61 392	79 980		31 000		
			103 410					120 557				
			126 613									
<b>Total - SYRIA</b>												
<b>Total Estimated Government Contribution</b>											(425 430)	
<b>TUNISIA</b>												
(For text, see page 220)												
<b>MALARIA</b>												
		5 000		17	1	1	1 600	1 700	1 700	EPTA		
<b>VIRUS DISEASES</b>												
				3		1		1 700		EPTA		
<b>VITAL AND HEALTH STATISTICS</b>												
				37		1			18 018	EPTA		
<b>NURSING</b>												
		6 000	6 000	34	1	1	4 120	10 251	11 604	EPTA		
		6 000	6 000	200	1	1	4 120	10 251	11 604			
<b>SOCIAL AND OCCUPATIONAL HEALTH</b>												
				29	1	1	6 000	17 482	14 633	EPTA		
<b>CHRONIC AND DEGENERATIVE DISEASES</b>												
			8 900	35								
<b>MATERNAL AND CHILD HEALTH</b>												
				6	1	1	11 785	12 200		EPTA	67 000*	94 000*
<b>ENVIRONMENTAL HEALTH</b>												
				18	1	1	17 075	19 088	24 950	EPTA		

\* Allocated by the UNICEF Executive Board.

## EASTERN MEDITERRANEAN: COUNTRY SCHEDULES

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Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations			Source of funds	Estimated obligations					
1965	1966	1967	1965		1966		1967	1965	1966	1967		
			US \$	US \$	US \$					US \$	US \$	US \$
<b>Tunisia (continued)</b>												
<b>EDUCATION AND TRAINING</b>												
3	4	4	48 880	65 009	61 034							
1	1	1	8 846	8 847	9 709	27						
						31						
						33	1	1	1	11 415	11 267	12 624
			15 000	14 000	20 000	200						
						201				8 000	8 000	12 000
4	5	5	72 726	87 856	90 743		1	1	1	19 415	19 267	24 624
4	5	5	72 726	98 856	105 643							
<b>Total - TUNISIA</b>												
<b>UNITED ARAB REPUBLIC</b>												
(For text, see page 221)												
<b>MALARIA</b>												
1	1	1	8 850	16 088	18 278	23						
<b>PARASITIC DISEASES</b>												
3	3	2	42 960	56 846	43 089	49					129 000*	76 000*
<b>VIRUS DISEASES</b>												
1	1	1	2 700	4 000	9 600	37						
			5 130	8 835	9 990	58						
1	1	1	7 830	12 835	19 590							
<b>LEPROSY</b>												
					7 400	54						
<b>PUBLIC HEALTH ADMINISTRATION</b>												
						55					145 000*	154 000*
<b>NURSING</b>												
2	3	4	10 500	45 631	63 184	50	4	3	3	44 280	37 780	30 913
2	3	4	10 500	45 631	63 184	60	4	3	3	44 280	37 780	30 913
<b>MATERNAL AND CHILD HEALTH</b>												
1			10 720			30						

\* Allocated by the UNICEF Executive Board.



EASTERN MEDITERRANEAN: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations		Number of posts			Source of funds	Estimated obligations			
1965	1966	1967			1965	1966	1967		1965	1966	1967	
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<b>United Arab Republic (continued)</b>												
<b>NUTRITION</b>												
				35	1			14 518	EPTA			
<b>RADIATION AND ISOTOPES</b>												
	3 500	3 500	3 500	200								
<b>ENVIRONMENTAL HEALTH</b>												
				38	1	1	1	2 600	2 600	10 400	EPTA	
<b>EDUCATION AND TRAINING</b>												
	10 560	8 800	7 400	27								
	20 000	20 000	25 000	200								
				201				3 500	7 500	7 500	EPTA	36 000*
	30 560	28 800	32 400					3 500	7 500	7 500		36 000
<b>OTHER ACTIVITIES</b>												
				44	1	1		1 700	1 700		EPTA	
8	8	8	114 920					50 380	49 580	65 031		274 000
			163 700									266 000
			187 441									(2 438 046) (2 002 714) (2 387 695)
<b>Total - UNITED ARAB REPUBLIC</b>												
<b>Total Estimated Government Contribution</b>												
<b>YEMEN</b>												
(For text, see page 222)												
<b>MALARIA</b>												
1	18 600			4								
<b>PARASITIC DISEASES</b>												
				5	1					20 200	EPTA	
<b>VIRUS DISEASES</b>												
		6 700		16								
<b>PUBLIC HEALTH ADMINISTRATION</b>												
1	20 583	24 288	24 755	3								
3	39 740	50 509	53 104	15.01								
2	32 040	45 171	48 981	15.02								
6	92 363	119 968	126 840									

\* Allocated by the UNICEF Executive Board.

EASTERN MEDITERRANEAN: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations			Source of funds	Estimated obligations					
1965	1966	1967	1965		1966		1967	1965	1966	1967		
			US \$	US \$	US \$					US \$	US \$	US \$
<b>Yemen (continued)</b>												
<b>ENVIRONMENTAL HEALTH</b>												
	1				17 640	17						
Environmental health services												
<b>EDUCATION AND TRAINING</b>												
			15 000	25 000	30 000	8	8 8 8	84 695	94 621	100 935	EPTA	
Health centre and training school, Sana'a												
						200						
Fellowships												
			15 000	25 000	30 000	201		7 000	8 000	10 000	EPTA	70 000*
Fellowships												
			15 000	25 000	30 000		8 8 8	91 695	102 621	110 935		70 000
	7 7 8		125 963	151 668	174 480		8 8 9	91 695	102 621	151 135		70 000
<b>Total - YEMEN</b>												
<b>Total Estimated Government Contribution</b>												
												(588 960) (588 960) (588 960)
<b>INTER-COUNTRY PROGRAMMES</b>												
(For text, see page 223)												
<b>MALARIA</b>												
	3 5 5		58 610	83 275	80 460	EMRO						
Eradication evaluation team												
<b>PARASITIC DISEASES</b>												
			10 000	10 000		91						
Bilharziasis course												
				5 000		110						
Seminar on bilharziasis control												
			10 000	15 000								
<b>VIRUS DISEASES</b>												
			3 800	7 000	7 000	53						
Virology training												
			13 400	8 400	8 400	88						
Smallpox eradication												
			17 200	15 400	15 400							
<b>PUBLIC HEALTH ADMINISTRATION</b>												
			33 120	34 000	34 000	43						
Advisory services												
				5 100		111						
Hospital administration												
			33 120	39 100	34 000							

\* Allocated by the UNICEF Executive Board.

EASTERN MEDITERRANEAN: COUNTRY SCHEDULES

Regular Budget					Project No.	Technical Assistance						Other Extra-budgetary Funds				
Number of posts			Estimated obligations			Number of posts			Estimated obligations			Source of funds				
1965	1966	1967	1965			1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967
			US \$	US \$	US \$											
<u>Inter-country Programmes (continued)</u>																
EMRO																
VITAL AND HEALTH STATISTICS																
			10 800													
			Meeting on vital and health statistics			36.02										
			Travelling seminar on vital and health statistics			36.03										
3	3	2	13 415	14 066	14 435	51										
			Epidemiological and statistical centre			101	1	1	1	3 880	8 648	10 495				
			Medical records advisory services													
3	3	2	24 215	14 066	14 435		1	1	1	3 880	8 648	30 495				
DENTAL HEALTH																
			14 400	14 400												
			Dental health			23										
NURSING																
			1 000	25 000												
			Seminar on nursing services administration			107										
CHRONIC AND DEGENERATIVE DISEASES																
			20 800	20 100												
			Course on cancer control			90										
HEALTH EDUCATION																
						7	1	1	1	15 206	14 271	16 551				
			Arab States Training Centre for Education in Community Development			83		3			20 800					
			Seminar on school health education practice			115			2			23 400				
			Course for measurement and evaluation techniques in health education				1	4	3	15 206	35 071	39 951				
MATERNAL AND CHILD HEALTH																
			8 000	8 000	26 000											
					8 000											
			8 000	8 000	34 000											
			Seminar on the health needs of the pre-school child			113										
			Fellowships			200										
MENTAL HEALTH																
			8 060	10 000												
			Training of psychiatric nurses			63.02										

EASTERN MEDITERRANEAN: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds							
Number of posts			Estimated obligations		Number of posts			Source of funds	Estimated obligations							
1965	1966	1967			1965	1966	1967		1965	1966	1967					
US \$			US \$	US \$			US \$	US \$	US \$							
				<u>Inter-country Programmes (continued)</u>												
				NUTRITION												
	10 000		19 800	Seminar on industrial feeding (FAO/WHO)				100								
1			15 206	Nutrition in maternal and child health activities				105								
			6 100	Food hygiene under storage				117								
				Manual on nutrition				118								
1	10 000		41 106													
				RADIATION AND ISOTOPES												
	5 000	5 000	5 000	Fellowships				200								
				ENVIRONMENTAL HEALTH												
	3 400	5 100	15 400	Training for sanitarians				79	1	1	1	19 000	26 058	30 998	EPTA	
				Municipal refuse disposal in relation to fly control				96.01								
				Course in municipal refuse disposal				96.02								
	13 900		5 600	Training of waterworks personnel				97								
			16 600	Survey of surface water pollution				119								
	12 000	12 000	12 000	Seminar on air pollution				122								
				Fellowships				200								
	29 300	17 100	49 600						1	1	1	19 000	26 058	30 998		
				EDUCATION AND TRAINING												
			8 000	Meeting of medical educators				42.03								
	10 000	10 000	15 000	Participation in educational meetings				45								
	10 000	10 000	20 000	Assistance to medical libraries				55.01								
	14 500	15 400		Training of librarians				55.02								
1	23 924	25 433	25 416	Training of laboratory technicians				61								
				Training of medical radiology technicians				62								
1	19 900	42 295	50 778	Medical education				84	2	2	2	13 200	55 449	45 506	EPTA	
			5 400	Evaluation of training of auxiliaries				109								
	10 000	10 000	10 000	Fellowships				200								
2	88 324	113 128	134 594						2	2	2	13 200	55 449	45 506		
				OTHER ACTIVITIES												
	2 000	2 000	2 000	Medical literature				44								
		12 300		Seminar on the treatment of drug addicts				85								
	1 000	1 000	1 000	Reproduction of reports				120								
	3 000	15 300	3 000													
8	10	10	331 029	394 869	411 595	Total - INTER-COUNTRY PROGRAMMES				5	8	7	51 286	125 226	146 950	

**WESTERN PACIFIC : SUMMARY**

	Regional Office						Field Activities						Total						
	Number of posts			Estimated obligations			Number of posts			Estimated obligations			Number of posts			Estimated obligations			
	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967	
		US \$	US \$	US \$		US \$	US \$	US \$		US \$	US \$	US \$		US \$	US \$	US \$		US \$	US \$
Regular budget .....	58	59	62	442 640	497 343	515 968	136	150	157	2 742 839	3 139 261	3 412 690	194	209	219	5 185 479	5 636 604	3 928 658	
Technical Assistance:																			
Expanded Programme of Technical Assistance							69	64	62	905 374	980 887	1 209 020	69	64	62	905 374	980 887	1 209 020	
Other Extra-budgetary Funds .....										1 786 800	1 936 500	1 843 200				1 786 800	1 936 500	1 843 200	
	58	59	62	442 640	497 343	515 968	205	214	219	5 435 013	6 056 648	6 464 910	263	273	281	5 877 653	6 553 991	6 980 878	
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WESTERN PACIFIC: REGIONAL OFFICE

(For text, see page 226)

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Regular Budget						Technical Assistance				Source of funds	Other Extra-budgetary Funds			
Number of posts			Estimated obligations			Estimated obligations			Estimated obligations					
1965	1966	1967	1965			1966	1967	1965	1966		1967	1965	1966	1967
			US \$	US \$	US \$				US \$	US \$	US \$			
<b>OFFICE OF THE REGIONAL DIRECTOR</b>														
1	1	1		17 900	17 900	Regional Director								
1	1	1		8 099	8 248	Liaison and reports officer	UG							
1	1	1		4 379	4 560	Administrative assistant	P3							
1	1	1		1 764	1 833	Records clerk	MX							
1	1	1		1 370	1 417	Clerk-stenographer	M5							
							M4							
<b>PUBLIC INFORMATION</b>														
1	1	1		9 870	9 870	Information officer								
1	1	1		3 620	3 798	Information assistant	P3							
1	1	1		1 401	1 449	Secretary	MX							
		1			1 071	Clerk-typist	M4							
							M3							
<b>HEALTH SERVICES</b>														
1	1	1		15 520	15 520	Director								
2	3	3		34 309	35 149	Public health administrators	D2							
1	1	1		4 967	5 158	Administrative officer	P5							
1	1	1		2 566	2 566	Secretary	F1							
2	2	3		4 392	5 976	Secretaries	M6							
							M5							
<u>Fellowships</u>														
1	1	1		4 156	4 334	Technical assistant								
1	1	1		2 202	2 202	Secretary	MX							
1	1	1		1 654	1 723	Clerk-stenographer	M5							
							M4							
<b>ADMINISTRATION AND FINANCE</b>														
1	1	1		11 560	11 829	Administration and finance officer								
1	1	1		8 993	9 240	Administration and finance officer	P5							
1	1	1		2 379	2 463	Secretary	P4							
1	1	1		1 711	1 781	Clerk-stenographer	M6							
							M5							
<u>Budget and Finance</u>														
1	1	1		9 475	9 698	Budget and finance officer								
1	1	1		7 880	7 880	Finance officer	P3							
1	1	1		6 310	6 310	Budget officer	P2							
1	1	1		3 020	3 020	Assistant accountant	P1							
1	1	1		5 027	5 027	Cashier	M7							
2	2	2		4 921	5 009	Accounts clerks	M6							
3	3	3		6 397	6 530	Accounts clerks	M6							
3	3	3		5 772	5 986	Budget clerks	M5							
1	1	1		1 504	1 555	Accounts clerk	M5							
1	1	1		1 613	1 682	Clerk-stenographer	M4							
							M4							
<u>Personnel</u>														
1	1	1		8 300	8 510	Personnel officer								
		1			4 800	Personnel officer	P3							
1	1	1		2 906	2 997	Personnel assistant	P1							
1	1	1		1 501	1 550	Clerk-stenographer	M7							
1	1	1		1 852	1 852	Clerk-typist	M4							

WESTERN PACIFIC: REGIONAL OFFICE

Regular Budget					Technical Assistance				Other Extra-budgetary Funds				
Number of posts			Estimated obligations			Number of posts			Estimated obligations				
1965	1966	1967	1965		1966	1967	1965	1966	1967	Source of funds	1965	1966	1967
			US \$	US \$	US \$		US \$	US \$	US \$		US \$	US \$	US \$
<u>Administration and Finance (continued)</u>													
<u>General Services</u>													
2	2	2		16 198	16 618	Translators				P3			
1	1	1		8 090	8 700	Administrative services officer				P3			
2	2	2		12 070	12 429	Administrative assistants				MX			
1	1	1		3 020	3 020	General services assistant				M7			
1	1	1		2 185	2 263	Supply clerk				M6			
1	1	1		2 202	2 293	Librarian				M6			
1	1	1		2 185	2 202	Travel clerk				M5			
1	1	1		2 202	2 202	Registry assistant				M5			
1	1	1		1 852	1 852	Registry clerk				M4			
1	1	1		1 797	1 852	Mail clerk				M4			
4	4	4		6 844	6 971	Clerk-typists				M4			
1	1	1		1 239	1 277	Mail clerk				M3			
				15 018	15 319	Custodial staff							
58	59	62		244 284	284 132	Total established posts							
				2 000	2 000	Temporary staff							
				10 000	10 000	Travel							
						Duty							
				3 000	3 000	Other costs							
						Public information supplies and materials							
				12 348	12 152	Common services							
				30 462	30 001	Space and equipment services							
				9 645	9 492	Other services							
				3 780	3 720	Supplies and materials							
				5 481	5 394	Fixed charges and claims							
						Acquisition of capital assets							
				121 640	137 452	Other statutory staff costs							
58	59	62		442 640	497 343	Total - REGIONAL OFFICE							

WESTERN PACIFIC: SUMMARY OF FIELD ACTIVITIES

Regular Budget					Technical Assistance				Source of funds	Other Extra-budgetary Funds					
Number of posts			Estimated obligations			Estimated obligations				Estimated obligations					
1965	1966	1967	1965		1966	1967	1965	1966		1967	1965	1966	1967		
			US\$	US\$	US\$				US\$	US\$	US\$				
33	34	31	731 460	715 486	653 835	Malaria	10	10	10	170 095	175 285	166 859	117 000	35 000	20 000
11	11	12	167 258	195 402	206 949	Tuberculosis	6	6	5	67 412	99 150	115 288	167 000	225 200	400 200
3	4	2	48 872	50 049	30 166	Veneral diseases and treponematoses							3 300	100 000	
2	2	6	23 406	29 034	105 489	Bacterial diseases									15 000
2	2	2	52 406	47 634	31 676	Parasitic diseases	4			20 330			28 000		
		2	16 500	15 600	54 578	Virus diseases	1			12 000			341 000	147 000	20 000
1	1		59 550	29 269	21 700	Leprosy	1	1	1	25 004	17 896	25 555	59 500	73 000	20 000
36	42	44	622 349	733 831	752 643	Public health administration	11	13	13	161 325	176 082	225 980	213 000	138 000	412 000
2	2	2	43 406	79 034	48 976	Vital and health statistics	1	1	1	23 631	15 971	31 104			
			21 400	32 050	19 300	Dental health									
12	10	11	175 509	164 299	246 305	Nursing	14	9	10	156 056	141 457	159 262			
1	3	2	49 119	97 565	103 476	Social and occupational health	2	4	3	27 502	39 336	63 651			
					20 500	Chronic and degenerative diseases									
4	4	5	98 485	142 364	124 597	Health education	1	1	1	13 935	14 685	29 767	67 000	30 000	15 000
8	7	8	104 018	125 740	173 842	Maternal and child health	10	10	9	106 123	156 074	189 453	721 500	826 300	611 000
3	4	3	82 815	87 964	103 078	Mental health									
3	5	6	36 800	90 659	93 285	Nutrition	1		1	19 197	4 300	22 023		35 000	40 000
1	1	1	27 477	30 754	27 171	Radiation and isotopes									
8	10	8	126 222	211 354	212 214	Environmental health	7	6	6	102 764	113 151	120 024	69 500	222 000	205 000
6	8	12	212 837	245 473	329 110	Education and training			3					105 000	85 000
			42 950	15 700	53 800	Other activities									
136	150	157	2 742 839	3 139 261	3 412 690	TOTAL	69	64	62	905 374	980 887	1 209 020	1 786 800	1 936 500	1 843 200



WESTERN PACIFIC: REGIONAL ADVISERS

(For text, see page 226)

Regular Budget					Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations		Number of posts			Estimated obligations	Source of funds	Estimated obligations		
1965	1966	1967			1965	1966	1967			1965	1966	1967
			US\$	US\$	US\$				US\$	US\$	US\$	
Regional advisers in:												
1	1	1	10 607	10 867	Tuberculosis	P4						
1	1	1	13 100	13 100	Communicable diseases	P5						
1	1	1	10 975	11 233	Communicable diseases	P4						
1	1	1	12 040	12 321	Public health administration	P5						
1	1	1	8 972	9 220	Public health administration	P4						
1	1	1	10 823	11 083	Statistics	P4						
2	2	2	20 617	21 094	Nursing	P4						
1	1	1	9 659	9 892	Health education	P4						
1	1	1	10 108	10 368	Maternal and child health	P4						
1	1	1	11 083	11 337	Nutrition	P4						
1	1	1	12 883	13 100	Environmental health	P5						
1	1	1	11 105	11 358	Environmental health	P4						
1	1	1	10 802	11 062	Education and training	P5						
<u>Malaria Eradication</u>												
1	1	1	13 052	13 100	Regional adviser in malaria	P5						
1	1	1	10 412	10 672	Malariaologist	P4						
1	1	1	11 170	11 420	Entomologist	P4						
1	1	1	11 212	11 420	Sanitary engineer	P4						
<u>Clerical and Stenographic Pool</u>												
1	1	1	2 016	2 091	Secretary	M5						
1	1	1	2 202	2 202	Clerk-statistician	M5						
11	11	11	17 914	18 455	Clerk-stenographers	M4						
3	5	5	5 523	5 725	Clerk-typists	M3						
34	36	36	208 552	226 275	231 120	Total established posts						
<u>Travel</u>												
			36 500	41 500	41 500	Duty						
<u>Common services</u>												
			7 252	7 448	7 252	Space and equipment services						
			17 008	17 469	17 009	Other services						
			5 665	5 818	5 665	Supplies and materials						
			2 220	2 280	2 220	Fixed charges and claims						
			3 219	3 306	3 219	Acquisition of capital assets						
			124 426	149 997	134 312	Other statutory staff costs						
34	36	36	404 842	454 093	442 297	Total - REGIONAL ADVISERS						



## WESTERN PACIFIC: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds					
Number of posts			Estimated obligations			Number of posts	Estimated obligations			Source of funds				
1965	1966	1967	1965		1966		1967	1965	1966		1967			
			US \$	US \$	US \$					US \$	US \$	US \$		
<b>AUSTRALIA</b>														
(For text, see page 226)														
PUBLIC HEALTH ADMINISTRATION														
			6 300	13 500	13 500	Fellowships								
			6 300	13 500	13 500									
<u>Total - AUSTRALIA</u>														
<u>Total Estimated Government Contribution</u>														
<b>BRITISH SOLOMON ISLANDS PROTECTORATE</b>														
(For text, see page 226)														
MALARIA														
1	1	1	19 387	24 665	20 235	Pre-eradication programme	2	2	2	44 203	35 625	30 232	EPTA	
PUBLIC HEALTH ADMINISTRATION														
						Rural health services	7	1	1	1	10 200	19 440	14 323	EPTA
NURSING														
1	1	1	11 171	10 543	20 604	Nursing education	3							
2	2	2	30 558	35 208	40 839	Total - BRITISH SOLOMON ISLANDS PROTECTORATE	3	3	3	54 403	55 065	44 555		
<u>Total Estimated Government Contribution</u>														
<b>BRUNEI</b>														
(For text, see page 227)														
MALARIA														
2	2		35 163	35 906	6 600	Pre-eradication programme	3							
ENVIRONMENTAL HEALTH														
					1 400	Fellowships	200							
2	2		35 163	35 906	8 000	Total - BRUNEI								
<u>Total Estimated Government Contribution</u>														
<u>(15 700) (17 500) (17 500)</u>														
<u>(230 564) (77 728) (292 484)</u>														
<u>(298 933) (303 714) (303 714)</u>														

\* Allocated by the UNICEF Executive Board.



WESTERN PACIFIC: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations		Number of posts			Estimated obligations	Estimated obligations			
1965	1966	1967			1965	1966	1967		Source of funds	1965	1966	1967
	US\$	US\$	US\$			US\$	US\$	US\$		US\$	US\$	US\$
<b>CHINA</b>												
(For text, see page 228)												
<b>TUBERCULOSIS</b>												
	4 000			Tuberculosis control	17					13 000*	52 000*	60 000
		3 000	3 000	Fellowships	200							
	4 000	3 000	3 000							13 000	52 000	60 000
<b>BACTERIAL DISEASES</b>												
			2 200	Fellowships	200							
<b>VIRUS DISEASES</b>												
	8 000	6 000	7 300	Trachoma control	34					341 000*	137 000*	20 000
	4 500			Smallpox vaccine production	51						10 000*	
2			43 078	Virus laboratory services	52							
	4 000			Fellowships	200							
2	16 500	6 000	50 378							341 000	147 000	20 000
<b>LEPROSY</b>												
1 1	18 375	21 469		Rehabilitation programme for disabled leprosy patients	45							
			2 800	Fellowships	200							
1 1	18 375	21 469	2 800									
<b>PUBLIC HEALTH ADMINISTRATION</b>												
1 1 1	23 085	31 769	16 247	Advisory services	46							10 000
	7 400	7 650	7 000	Fellowships	200							
1 1 1	30 485	39 419	23 247									10 000
<b>NURSING</b>												
	13 600	10 800	14 000	College of Nursing, National Taiwan University	50	1			10 800	EPTA		
				Fellowships	200							
	13 600	10 800	14 000			1			10 800			
<b>SOCIAL AND OCCUPATIONAL HEALTH</b>												
1 1	9 600	20 958	42 463	Occupational medicine	47							
	6 000	12 800		Physical and occupational therapy	49							
				Fellowships	200							
1 1	15 600	33 758	42 463									
<b>HEALTH EDUCATION</b>												
		12 800		Advisory services	48							
			14 000	Fellowships	200							
		12 800	14 000									

\* Allocated by the UNICEF Executive Board.

WESTERN PACIFIC: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Source of funds	Other Extra-budgetary Funds					
Number of posts		Estimated obligations			Number of posts		Estimated obligations			Estimated obligations					
1965	1966	1967	1965		1966	1967	1965	1966		1967	1965	1966	1967		
		US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$		
<b>China (continued)</b>															
<b>MATERNAL AND CHILD HEALTH</b>															
				Maternal and child health	3							130 000*	91 000	53 000	
<b>MENTAL HEALTH</b>															
1	1	17 200	17 587	Mental health programme	20										
<b>NUTRITION</b>															
			5 000	Fellowships	200										
<b>ENVIRONMENTAL HEALTH</b>															
				Community water supply and sewerage	36	2	1	1	32 405	21 532	20 232	EPTA		112 000*	
			7 650	Water pollution	53										
			18 200	Fellowships	200										
			7 650			2	1	1	32 405	21 532	20 232			112 000	
<b>EDUCATION AND TRAINING</b>															
		14 800	16 850	Institute of Public Health	27										
		7 500	7 200	Fellowships	200										
				Fellowships	201					4 000		EPTA			
		22 300	24 050							4 000					
<b>OTHER ACTIVITIES</b>															
		3 650	2 500	Fellowships	200										
2	4	5	141 710	184 033	200 762	2	1	2	32 405	25 532	31 032		484 000	402 000	143 000
<b>Total Estimated Government Contribution</b>															
<b>COOK ISLANDS</b>															
(For text, see page 230)															
<b>PUBLIC HEALTH ADMINISTRATION</b>															
				Fellowships	200										
			3 400												
<b>HEALTH EDUCATION</b>															
			2 800	Fellowships	200										
<b>EDUCATION AND TRAINING</b>															
		2 800		Fellowships	200										
		2 800	2 800												
		3 400													
<b>Total - COOK ISLANDS</b>															
<b>Total Estimated Government Contribution</b>															
													(2 500)	(2 500)	(2 500)

\* Allocated by the UNICEF Executive Board.

WESTERN PACIFIC: COUNTRY SCHEDULES

Regular Budget					Project No.	Technical Assistance				Other Extra-budgetary Funds		
Number of posts			Estimated obligations			Number of posts			Source of funds	Estimated obligations		
1965	1966	1967				1965	1966	1967		1965	1966	1967
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<b>FIJI</b>												
(For text, see page 230)												
PUBLIC HEALTH ADMINISTRATION												
			3 400	Fellowships	200							
NURSING												
		6 800	3 400	Fellowships	200							
SOCIAL AND OCCUPATIONAL HEALTH												
	9 200	19 600		Fellowships	200							
HEALTH EDUCATION												
1			22 566	Training in health education	11							
MATERNAL AND CHILD HEALTH												
				Maternal and child health	8					10 000*	10 000	7 000
ENVIRONMENTAL HEALTH												
				Environmental sanitation programme	10						20 000	30 000
EDUCATION AND TRAINING												
	3 400	3 400	3 600	Fiji School of Medicine	2							
		3 400	3 600	Fellowships	200							
	3 400	6 800	7 200									
1	12 600	33 200	36 566	Total - FIJI						10 000	30 000	37 000
										(120 000)	(122 750)	(123 300)
<u>Total Estimated Government Contribution</u>												
<b>FRENCH POLYNESIA</b>												
TUBERCULOSIS												
	2 100			Tuberculosis control	2						2 200	2 200
				Fellowships	200							
	2 100										2 200	2 200
MATERNAL AND CHILD HEALTH												
				Maternal and child health	5						4 000	4 000

\* Allocated by the UNICEF Executive Board.





WESTERN PACIFIC: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations		Number of posts			Estimated obligations	Source of funds	Estimated obligations		
1965	1966	1967			1965	1966	1967			1965	1966	1967
	US\$	US\$	US\$	Guam (continued)		US\$	US\$	US\$		US\$	US\$	US\$
				<b>NURSING</b>								
1			15 325	Nursing education	2							
	3 000		3 000	<b>HEALTH EDUCATION</b>								
				Fellowships	200							
			7 000	<b>ENVIRONMENTAL HEALTH</b>								
				Fellowships	200							
1	3 000		32 325	<b>Total - GUAM</b>								
				<u>Total Estimated Government Contribution</u>							(5 000)	(22 000)
				<b>HONG KONG</b>								
				(For text, see page 231)								
				<b>TUBERCULOSIS</b>								
1			14 750	Advisory services	16							
	3 000			<b>PUBLIC HEALTH ADMINISTRATION</b>								
				Fellowships	200							
	8 500	19 000	4 000	<b>DENTAL HEALTH</b>								
				Fellowships	200							
			4 000	<b>MENTAL HEALTH</b>								
				Fellowships	200							
			2 800	<b>RADIATION AND ISOTOPES</b>								
				Fellowships	200							
			4 000	<b>ENVIRONMENTAL HEALTH</b>								
				Fellowships	200							
	1 200	2 400		<b>EDUCATION AND TRAINING</b>								
				Fellowships	200							
			2 200	<b>OTHER ACTIVITIES</b>								
				Fellowships	200							
1	12 700	21 400	31 750	<b>Total - HONG KONG</b>								
				<u>Total Estimated Government Contribution</u>							(8 368)	(49 348)

WESTERN PACIFIC: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds		
Number of posts			Estimated obligations		Number of posts			Source of funds	Estimated obligations		
1965	1966	1967			1965	1966	1967		1965	1966	1967
US \$			US \$			US \$			US \$		
<b>JAPAN</b>											
(For text, see page 232)											
TUBERCULOSIS											
		2 200	2 200	Fellowships	200						
VENEREAL DISEASES AND TREPONEMATOSES											
		2 200		Fellowships	200						
VIRUS DISEASES											
			4 200	Fellowships	200						
PUBLIC HEALTH ADMINISTRATION											
	11 000	10 800	4 400	Fellowships	200						
VITAL AND HEALTH STATISTICS											
	4 400	4 400	4 400	Fellowships	200						
DENTAL HEALTH											
		2 200	2 200	Fellowships	200						
SOCIAL AND OCCUPATIONAL HEALTH											
1	1	1	22 319	14 953	17 113	Medical rehabilitation	23				
				12 000	8 800	Fellowships	200				
1	1	1	22 319	26 953	25 913						
CHRONIC AND DEGENERATIVE DISEASES											
			3 300	Fellowships	200						
HEALTH EDUCATION											
	3 000			Fellowships	200						
MATERNAL AND CHILD HEALTH											
	2 200	2 200	2 200	Fellowships	200						
MENTAL HEALTH											
	4 200			National Institute of Mental Health	4						
		8 800	5 950	Advisory services	25						
	2 500			Fellowships	200						
	6 700	8 800	5 950								

WESTERN PACIFIC: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations		Number of posts			Estimated obligations	Estimated obligations			
1965	1966	1967			1965	1966	1967		1965	1966	1967	
1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967	
	US \$	US \$	US \$			US \$	US \$	US \$	US \$	US \$	US \$	
<b>Japan (continued)</b>												
<b>NUTRITION</b>												
	2 200			Fellowships	200							
<b>RADIATION AND ISOTOPES</b>												
		4 400	2 200	Fellowships	200							
<b>ENVIRONMENTAL HEALTH</b>												
		9 600	6 600	Fellowships	200							
<b>EDUCATION AND TRAINING</b>												
	2 200		3 300	Fellowships	200							
<b>OTHER ACTIVITIES</b>												
	21 100	4 400	9 900	Fellowships	200							
1	1	1	75 119	78 153	76 763							
<b>Total - JAPAN</b>												
<b>Total Estimated Government Contribution</b>												
									(16 300)	(18 800)	(19 300)	
<b>LAOS</b>												
(For text, see page 233)												
<b>MALARIA</b>												
	6 000	3 400	3 400	Pre-eradication programme	5							
<b>PUBLIC HEALTH ADMINISTRATION</b>												
				Central public health laboratory	2	1	1	1	14 585	16 329	26 500	EPTA
				Advisory services	9	1			21 416			EPTA
				Rural health development	10	3	3	3	40 430	37 873	40 600	EPTA
	1 700			Hospital administration	13							
		4 000		Fellowships	200							
	1 700	4 000				5	4	4	76 431	54 202	67 100	
<b>VITAL AND HEALTH STATISTICS</b>												
	2 800			Fellowships	200							
<b>NURSING</b>												
				Nursing education	12	4	4	4	42 361	47 560	53 000	EPTA



WESTERN PACIFIC: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds				
Number of posts			Estimated obligations			Source of funds	Estimated obligations						
1965	1966	1967	1965		1966		1967	1965	1966	1967			
			US\$	US\$	US\$					US\$	US\$	US\$	
<u>Malaysia (continued)</u>													
PUBLIC HEALTH ADMINISTRATION													
4	4	4	60 258	67 002	66 811	14	1	1	16 165	9 055	EPTA	87 000*	77 000
			11 600			35							
				5 600	1 800	36							
			2 000	6 000		200							
				1 500		200							
						200							
4	4	4	73 858	80 102	68 611		1	1	16 165	9 055		87 000	77 000
VITAL AND HEALTH STATISTICS													
						15	1	1	23 631	15 971	EPTA		
Hospital records and health statistics, Malaya													
NURSING													
				1 400		32	2	2	39 712	38 928	EPTA		
			4 000			200							
						200							
			4 000	1 400			2	2	39 712	38 928			
SOCIAL AND OCCUPATIONAL HEALTH													
						68		1			EPTA		
Industrial health, Malaya													
HEALTH EDUCATION													
1	1	1	23 438	34 692	23 444	30							
					3 400	200							
1	1	1	23 438	34 692	26 844								
MATERNAL AND CHILD HEALTH													
				2 800	4 000	200							
Fellowships, Malaya													
NUTRITION													
1	1			15 704	14 821	55							
Advisory services, Sabah and Sarawak													
ENVIRONMENTAL HEALTH													
			12 800			34	1	1	10 200	13 312	EPTA		20 000
			8 512	14 662	20 834	39							
				4 000		41						20 000	40 000
			2 000			200							
						200							
1	1	1	23 312	18 662	20 834		1	1	10 200	13 312		20 000	60 000

\* Allocated by the UNICEF Executive Board.











WESTERN PACIFIC: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds								
Number of posts			Estimated obligations			Source of funds	Estimated obligations										
1965	1966	1967	1965		1966		1967	1965	1966	1967							
US\$			US\$			US\$			US\$								
<b>REPUBLIC OF KOREA</b>																	
(For text, see page 238)																	
<b>MALARIA</b>																	
2	2	2	74 528	65 607	66 912	Pre-eradication programme	13										
<b>TUBERCULOSIS</b>																	
						Tuberculosis control Fellowships	19 201	2	2	2	26 868	37 832	33 810 24 800	EPTA EPTA	82 500*	76 000*	150 000
								2	2	2	26 868	37 832	58 610		82 500	76 000	150 000
<b>LEPROSY</b>																	
			4 500			Leprosy control Fellowships	4 200	1	1	1	25 004	17 896	25 555	EPTA	14 500*	18 000*	20 000
			4 500					1	1	1	25 004	17 896	25 555		14 500	18 000	20 000
<b>PUBLIC HEALTH ADMINISTRATION</b>																	
4	4	4	63 832 11 100	57 790 7 000	75 916 3 000	Local health services Fellowships	25 200								71 000*	125 000*	100 000
4	4	4	74 932	64 790	78 916										71 000	125 000	100 000
<b>HEALTH EDUCATION</b>																	
			6 800	7 500		Fellowships	200										
<b>MATERNAL AND CHILD HEALTH</b>																	
	1				28 354	Maternal and child health services	3										
<b>ENVIRONMENTAL HEALTH</b>																	
1	1		8 800	18 004 9 200	42 571	Advisory services Fellowships	29 200										
1	1		8 800	27 204	42 571												
<b>EDUCATION AND TRAINING</b>																	
1	1	1	24 344	28 069	14 791	National Institute of Health	15									100 000	80 000
1	1	1	16 700	21 938	13 711	School of public health, Seoul National University	27										
2	2	2	41 044	50 007	28 502											100 000	80 000
8	9	10	210 604	215 108	245 255	<b>Total - REPUBLIC OF KOREA</b>		3	3	3	51 872	55 728	84 165		168 000	319 000	350 000
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\* Allocated by the UNICEF Executive Board.

## WESTERN PACIFIC: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations		Number of posts			Source of funds	Estimated obligations			
1965	1966	1967			1965	1966	1967		1965	1966	1967	
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<b>RYUKYU ISLANDS</b>												
(For text, see page 240)												
<b>MALARIA</b>												
	5 210			Eradication programme	1							
<b>BACTERIAL DISEASES</b>												
		4 000		Fellowships	200							
<b>PUBLIC HEALTH ADMINISTRATION</b>												
	4 200			Advisory services	2							
	6 600	12 000	21 000	Fellowships	200							
	10 800	12 000	21 000									
<b>DENTAL HEALTH</b>												
		2 000	4 200	Fellowships	200							
<b>NURSING</b>												
	3 550	3 400	10 400	Fellowships	200							
<b>SOCIAL AND OCCUPATIONAL HEALTH</b>												
			13 200	Fellowships	200							
<b>HEALTH EDUCATION</b>												
		3 200	7 000	Fellowships	200							
<b>MENTAL HEALTH</b>												
		7 000		Fellowships	200							
<b>RADIATION AND ISOTOPES</b>												
	3 000	7 000	3 800	Fellowships	200							
<b>ENVIRONMENTAL HEALTH</b>												
			7 000	Fellowships	200							
<b>EDUCATION AND TRAINING</b>												
		2 500		Fellowships	200							
	22 560	41 100	66 600	<b>Total - RYUKYU ISLANDS</b>								
<u>Total Estimated Government Contribution</u>										(25 800)	(25 092)	(15 030)



WESTERN PACIFIC: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations		Number of posts			Source of funds	Estimated obligations			
1965	1966	1967			1965	1966	1967		1965	1966	1967	
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<b>TIMOR</b>												
(For text, see page 241)												
PUBLIC HEALTH ADMINISTRATION												
			2 400	Fellowships	200							
NURSING												
			3 000	Fellowships	200							
			5 400	Total - TIMOR								
<b>--- TOKELAU ISLANDS</b>												
PUBLIC HEALTH ADMINISTRATION												
			2 000	Fellowships	200							
			2 000	Total - TOKELAU ISLANDS								
<b>--- TONGA</b>												
(For text, see page 241)												
PUBLIC HEALTH ADMINISTRATION												
			4 000	Fellowships	200							
DENTAL HEALTH												
			3 650	Fellowships	200							
NURSING												
			3 400	Fellowships	200							
MATERNAL AND CHILD HEALTH												
			3 650	Maternal and child health Fellowships	7						3 500	
			3 650		200						3 500	
MENTAL HEALTH												
			2 000	Fellowships	200							

WESTERN PACIFIC: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds				
Number of posts		Estimated obligations			Number of posts		Estimated obligations		Source of funds	Estimated obligations			
1965	1966	1967	1965		1966	1967	1965	1966		1967	1965	1966	1967
		US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<b>Tonga (continued)</b>													
NUTRITION													
					201		4 800			EPTA			
Fellowships													
ENVIRONMENTAL HEALTH													
				4 800	1	1	17 259	16 828		EPTA	21 500*	20 000	20 000
Environmental sanitation Fellowships													
				4 800	200								
						1	17 259	16 828			21 500	20 000	20 000
EDUCATION AND TRAINING													
		1 800		2 200	200								
Fellowships													
		1 800	16 700	14 200		1	22 059	16 828			21 500	23 500	20 000
Total - TONGA													
<u>Total Estimated Government Contribution</u>											(70 746)	(27 477)	(8 315)
<b>TRUST TERRITORY OF THE PACIFIC ISLANDS</b>													
(For text, see page 242)													
LEPROSY													
			3 000		200								
Fellowships													
PUBLIC HEALTH ADMINISTRATION													
				5 100	6								
Medical records Fellowships													
		3 200	6 400	5 100	200								
		3 200	6 400	5 100									
VITAL AND HEALTH STATISTICS													
				7 000	200								
Fellowships													
DENTAL HEALTH													
			2 000		200								
Fellowships													
HEALTH EDUCATION													
				3 000	200								
Fellowships													
		3 200	11 400	15 100									
Total - TRUST TERRITORY OF THE PACIFIC ISLANDS													
<u>Total Estimated Government Contribution</u>											(4 732)	(12 830)	(13 000)

\* Allocated by the UNICEF Executive Board.

WESTERN PACIFIC: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds								
Number of posts		Estimated obligations			Number of posts	Estimated obligations			Source of funds	Estimated obligations							
1965	1966	1967	1965			1966	1967	1965		1966	1967						
		US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$				
<b>VIET-NAM</b>																	
(For text, see page 242)																	
<b>MALARIA</b>																	
3	2	2	55 788	46 320	46 270	Pre-eradication programme	16										
<b>TUBERCULOSIS</b>																	
						Tuberculosis control	7	2	2	1	21 274	27 121	31 518	EPTA	41 500*	79 000*	80 000
<b>VENEREAL DISEASES AND TREPONEMATOSES</b>																	
1	2	2	13 284	26 395	30 166	Venereal disease control	26										
<b>LEPROSY</b>																	
					9 100	Leprosy control	34								21 000*	31 000	
					2 800	Fellowships	200								21 000	31 000	
<b>PUBLIC HEALTH ADMINISTRATION</b>																	
1	1	1	17 284	14 032	22 496	Preventive medicine	14										30 000
1	1		27 978	23 898	18 200	Hospital administration	15										
2	3	3	25 787	45 700	47 089	Health laboratory services	18								45 000*		20 000
			12 150			Public health administration training	24										
	3	3		37 390	34 396	Public health demonstration centre	32										80 000
					8 500	Fellowships	200										
4	8	7	83 199	121 020	130 681										45 000		130 000
<b>VITAL AND HEALTH STATISTICS</b>																	
			4 000	13 600		Vital and health statistics	11										
				7 000		Fellowships	200										
			4 000	20 600													
<b>SOCIAL AND OCCUPATIONAL HEALTH</b>																	
					4 100	Rehabilitation of the physically handicapped	31	2	2		28 548	34 297		EPTA			
					4 100	Fellowships	200										
								2	2		28 548	34 297					
<b>HEALTH EDUCATION</b>																	
			6 800	3 200		Fellowships	200										
<b>MATERNAL AND CHILD HEALTH</b>																	
						Maternal and child health services	3	4	4	2	38 978	51 846	51 196	EPTA	102 000*	212 000*	150 000
						School health	21	1	1	2	10 100	15 333	48 117	EPTA		17 000	15 000
								5	5	4	49 078	67 179	99 313		102 000	229 000	165 000

\* Allocated by the UNICEF Executive Board.

WESTERN PACIFIC: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds				
Number of posts		Estimated obligations			Number of posts		Estimated obligations		Estimated obligations				
1965	1966	1967	1965		1966	1967	1965	1966	1967	1965	1966	1967	
			US\$	US\$	US\$					US\$	US\$	US\$	
<b>Viet-Nam (continued)</b>													
<b>MENTAL HEALTH</b>													
2	2	1	26 808	37 958	21 683	Advisory services	19						
<b>NUTRITION</b>													
1	1	2	11 194	15 946	31 722	Advisory services	23				20 000	15 000	
<b>ENVIRONMENTAL HEALTH</b>													
	1	1		15 254	14 611	Advisory services	33					30 000	
<b>OTHER ACTIVITIES</b>													
			4 000	4 000		Fellowships	200						
11	16	15	205 073	293 493	288 333	Total - VIET-NAM	7 9 7	70 352	122 848	165 128	209 500	359 000	420 000
<u>Total Estimated Government Contribution</u>											(3 723 562)	(6 991 549)	(6 122 794)
<b>WESTERN SAMOA</b>													
(For text, see page 244)													
<b>TUBERCULOSIS</b>													
					5 400	Tuberculosis control	3						
			2 200			Fellowships	200						
			2 200		5 400								
<b>PARASITIC DISEASES</b>													
			22 600	22 600	8 100	Filaria control	7				28 000*		
<b>PUBLIC HEALTH ADMINISTRATION</b>													
1			19 516			Advisory services	6						
	2				29 932	Strengthening of rural health services and training of health personnel	12					10 000	
	1				15 875	Public health laboratory services	13					10 000	
1	3		19 516		45 807							20 000	
<b>VITAL AND HEALTH STATISTICS</b>													
			2 000			Fellowships	200						

\* Allocated by the UNICEF Executive Board.



WESTERN PACIFIC: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds				
Number of posts			Estimated obligations		Number of posts			Estimated obligations	Estimated obligations				
1965	1966	1967			1965	1966	1967		1965	1966	1967		
			US \$				US \$			US \$			
<b>Western Samoa (continued)</b>													
MATERIALIZED AND CHILD HEALTH													
Maternal and child health services				8									6 800
Fellowships				200									6 800
			750										
			750										
ENVIRONMENTAL HEALTH													
Community water development				11	1		8 000			EPTA			
EDUCATION AND TRAINING													
Fellowships				200									
			35 600										
			32 000										
			47 500										
1	3		82 666		1		8 000				28 000	6 800	20 000
<b>Total - WESTERN SAMOA</b>													
<b>Total Estimated Government Contribution</b>											(33 000)	(54 700)	(18 460)
<b>INTER-COUNTRY PROGRAMMES</b>													
(For text, see page 244)													
<b>MALARIA</b>													
Malaria eradication training centre, Manila				72									
Malaria eradication assessment team				143									
3	3	3	82 280										
			84 247										
			10 600										
3	3	3	82 280										
			94 847										
			91 578										
<b>TUBERCULOSIS</b>													
Tuberculosis advisory team				75									
Tuberculosis course				125									
5	5	5	81 468										
			81 679										
			18 000										
5	5	5	81 468										
			99 679										
			89 504										
<b>VENEREAL DISEASES AND TREPONEMATOSIS</b>													
Inter-country treponematoses team				22								100 000*	
2	2		35 588										
			21 454										
<b>BACTERIAL DISEASES</b>													
Communicable diseases advisory team				137									
	2												49 972

\* Allocated by the UNICEF Executive Board.

WESTERN PACIFIC: COUNTRY SCHEDULES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations		Number of posts			Source of funds	Estimated obligations			
1965	1966	1967			1965	1966	1967		1965	1966	1967	
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US
<u>Inter-country Programmes (continued)</u>												
PARASITIC DISEASES												
	6 400			WPRO								
				80								
				118	4	20 330			EPTA			
	6 400				4	20 330						
VIRUS DISEASES												
		9 600		130								
Virus laboratory services												
LEPROSY												
	33 475			120								
Seminar on leprosy control												
PUBLIC HEALTH ADMINISTRATION												
	24 000	10 200	5 800	79								
				124					EPTA			
				128	3		22 000	20 000	EPTA			
	24 000	10 200	5 800		3		22 000	20 000				
VITAL AND HEALTH STATISTICS												
		21 000		131								
Seminar on hospital medical records and statistics												
DENTAL HEALTH												
	12 900	3 200	5 100	115								
Epidemiology of dental diseases												
NURSING												
			5 100	102								
	4 000			121					EPTA			
			16 245	138	2	11 700						
1												
	4 000		21 345		2	11 700						
1												
SOCIAL AND OCCUPATIONAL HEALTH												
			17 800	140								
Seminar on occupational health												
HEALTH EDUCATION												
		29 100		132								
Seminar on health education												

WESTERN PACIFIC: COUNTRY SCHEDULES

Regular Budget					Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts		Estimated obligations				Number of posts	Estimated obligations			Source of funds	Estimated obligations		
1965	1966	1967	1965				1966	1967	1965		1966	1967	
1965	1966	1967					US \$	US \$	US \$		US \$	US \$	US \$
				<u>Inter-country Programmes (continued)</u>									
				MATERNAL AND CHILD HEALTH									
				Advisory services, South Pacific	83	2 2 2	23 125	37 489	30 912	EPTA			
				Seminars on paediatric education	139	2 2 2	23 125	37 489	30 912				
		27 150											
		27 150											
				ENVIRONMENTAL HEALTH									
				Course in environmental health	129								
				Advisory services, South Pacific	135	1 1 2	12 200	28 901	34 752	EPTA			
				Fellowships	200								
	10 800	10 725											
	10 800	10 725											
				EDUCATION AND TRAINING									
				Schools of public health	109								
				Seminar on the training of auxiliary health personnel	112	3		23 500		EPTA			
				Participation in educational meetings	114								
				Fellowships	200								
	20 000	7 200	9 400										
	24 800	23 000	23 000										
	44 800	30 200	42 400			3		23 500					
				OTHER ACTIVITIES									
				Medical literature and teaching equipment	64								
				Advisory services in international quarantine	123								
	2 000	2 000	2 000										
	2 000	2 000	30 200										
10	10	11											
	337 711	332 005	380 849			9 9 7	67 355	111 890	85 664			100 000	
				Total - INTER-COUNTRY PROGRAMMES									

### INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES: SUMMARY

	Field Activities					
	Number of posts			Estimated obligations		
	1965	1966	1967	1965	1966	1967
				US \$	US \$	US \$
Regular budget .....	45	58	60	3 524 963	4 087 927	4 605 704
Technical Assistance:						
Expanded Programme of Technical Assistance .....	41	28	29	727 780	525 700	445 400
Funds-in-trust .....	24	24	24	187 888	195 336	209 743
TOTAL	110	110	113	4 440 631	4 808 963	5 260 847

### INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES: SUMMARY OF FIELD ACTIVITIES

Regular Budget					Technical Assistance					Other Extra-budgetary Funds				
Number of posts			Estimated obligations			Number of posts			Source of funds	Estimated obligations				
1965	1966	1967	1965		1966	1967	1965	1966		1967	1965	1966	1967	
			US \$	US \$	US \$				US \$	US \$	US \$			
9	9	11	640 100	658 031	684 279									
			97 300	115 000	117 000									
3	3	3	123 850	137 268	153 131									
			97 000	102 500	132 500									
4	4	4	183 900	276 077	293 793									
1	1	1	142 310	178 071	212 175									
6	6	6	153 110	148 154	164 039									
			75 000	105 500	116 800									
13	13	13	271 058	276 798	284 138									
			29 600	14 000	22 000									
				20 000	40 000									
			35 400	35 400	50 000									
			32 500	37 000	85 600									
8	8	8	315 220	352 318	368 408									
				6 000	6 000									
			2 200		40 000									
	2	2	23 800	105 808	105 626									
			154 360	151 900	155 100									
			166 900	129 700	120 000									
1	8	8	188 675	325 118	369 195									
			30 800	26 000	6 000									
	4	4	761 880	887 284	1 079 920									
45	58	60	3 524 963	4 087 927	4 605 704									
TOTAL						65	52	53	915 668	721 036	655 143			



INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds					
Number of posts			Estimated obligations		Number of posts			Source of funds	Estimated obligations					
1965	1966	1967			1965	1966	1967		1965	1966	1967			
			US\$	US\$	US\$				US\$	US\$	US\$			
<u>Inter-regional Activities (continued)</u>														
<b>PARASITIC DISEASES</b>														
3	3	3	37 820	66 003	72 707	Bilharziasis research team	52							
			32 910			Seminar on mosquito-borne filariasis	200							
1	1	1	13 170	33 074	35 486	Seminar on helminthic diseases	290	2	32 000		EPTA			
				30 000		Trypanosomiasis study team	300							
						Seminar on trypanosomiasis	301							
						Conference on the influence of economic development on parasitic diseases	328	3		40 000	EPTA			
					28 000	Training in methods and techniques for parasitic disease surveys	388							
						Seminar on leishmaniasis	389	2		30 000	EPTA			
4	4	4	83 900	129 077	136 193			2	5	32 000	70 000			
<b>VIRUS DISEASES</b>														
1	1	1	20 310	20 571	21 175	Trachoma research	231							
<b>LEPROSY</b>														
3	3	3	61 060	59 512	65 266	Leprosy epidemiological team	54							
3	3	3	52 850	49 442	57 573	Leprosy/BOG trial team	190							
6	6	6	113 910	108 954	122 839									
<b>VETERINARY PUBLIC HEALTH</b>														
				17 500		Seminar on food-borne diseases and intoxications and food hygiene practices	303							
					26 800	Seminar on brucellosis	390							
				17 500	26 800									
<b>PUBLIC HEALTH ADMINISTRATION</b>														
				20 000		Integrated public health	156	13	13	13	156 750	175 000	175 000	EPTA
						Seminar on hospital records	175							
			20 000			Course on the laboratory diagnosis of enterobacteriaceae	203							
			20 000			Seminar on national health planning	232							
						Travelling seminar on the organization of public health laboratories	291	2		25 000			EPTA	
					22 100	Seminar for directors of laboratory services	391							
			40 000	20 000	22 100			13	15	13	156 750	200 000	175 000	

INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES

Regular Budget				Project No.	Technical Assistance					Other Extra-budgetary Funds		
Number of posts			Estimated obligations		Number of posts			Estimated obligations	Source of funds	Estimated obligations		
1965	1966	1967			1965	1966	1967			1965	1966	1967
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<u>Inter-regional Activities (continued)</u>												
<b>VITAL AND HEALTH STATISTICS</b>												
	13 600			International conference for the eighth revision of the International Classification of Diseases	237							
<b>DENTAL HEALTH</b>												
			20 000	Seminar on training and utilization of dental personnel in developing countries	392							
<b>NURSING</b>												
	35 400	35 400	50 000	Training programme	110							
				Travelling seminar on nursing	205	1		27 000		EPTA		
	35 400	35 400	50 000			1		27 000				
<b>SOCIAL AND OCCUPATIONAL HEALTH</b>												
	17 000			Seminar on the epidemiology and control of road traffic accidents	238							
			23 600	Seminar on occupational health	240	1	43 000			EPTA		
	6 500			Training in ergonomics	332							
			10 000	International study of normal values for toxic substances in the human body	363							
				Seminar on adaptation to extreme climatic conditions	393							
	23 500		33 600			1	43 000					
<b>CHRONIC AND DEGENERATIVE DISEASES</b>												
4	4	4	26 000	45 576	49 706							
4	4	4	39 720	50 242	54 702							
8	8	8	65 720	95 818	104 408							
<b>MATERNAL AND CHILD HEALTH</b>												
	2 200			Second conference on concepts of developmental regulation in the foetus and child	368							

INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations		Number of posts			Source of funds	Estimated obligations			
1965	1966	1967			1965	1966	1967		1965	1966	1967	
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<u>Inter-regional Activities</u> (continued)												
MENTAL HEALTH												
	13 000	25 000	25 000	Seminar on psychiatric diagnosis, classification and statistics	273							
				Seminar on the organization of mental health services in developing countries	292	2	50 000		EPTA			
2	2	30 808	30 626	Advisory team on the epidemiology of mental disorders	308							
	7 200			Symposium on the neurophysical mechanisms of different states of consciousness	377							
2	2	20 200	55 808			2	50 000					
			55 626									
RADIATION AND ISOTOPES												
	15 000			Seminar on public health programmes in radiation protection	185							
			13 000	Training of radiographers in radiation protection	246							
	12 000			Meeting on epidemiological studies in human radiology	247							
		20 000		Course for radiation health inspectors	311							
		10 000		Meeting on the clinical use of radioisotopes	313							
			18 000	Seminars on radiological health	394							
	27 000	30 000	31 000									
ENVIRONMENTAL HEALTH												
				Travelling seminar on the public health aspects of housing	222	2	46 000		EPTA			
	21 000			Symposium on sanitary engineering training programmes	250							
				Travelling seminar on prevention and control of water pollution	294	1	1 000	34 000	EPTA			
				Travelling seminar on community water supply in regional development	298	3		35 000	EPTA			
		23 800		Symposium on developmental work in community water supply	315							
				Travelling seminar on aquatic biology and public health	345	2			31 000	EPTA		
				Community water supply (advisory services)	374	7	62 100		EPTA			
			29 900	Seminar on integration of community water supplies into planning of economic development	395							
				Travelling seminar on environmental sanitation	396	2			37 000	EPTA		
			21 700	Seminar on water pollution control	407							



INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES

Regular Budget					Project No.	Technical Assistance				Other Extra-budgetary Funds				
Number of posts			Estimated obligations			Number of posts	Estimated obligations			Estimated obligations				
1965	1966	1967	1965				1966	1967	1965	1966	1967	1965	1966	1967
			US\$	US\$	US\$			US\$	US\$	US\$		US\$	US\$	US\$
<u>Inter-regional Activities (continued)</u>														
<u>Environmental Health (continued)</u>														
<u>Vector Control</u>														
	4	4		69 648	70 307									
	3	3		60 790	64 779	270								
						271								
						295	2	54 000				EPTA		
	7	7		21 000	154 238		11	4	4	163 100	69 000	68 000		
<u>EDUCATION AND TRAINING</u>														
				24 800										
						251								
						296	1			33 000			EPTA	
					20 000									
				24 800	20 000									
<u>OTHER ACTIVITIES</u>														
					15 000									
				94 300	85 000	133								
				28 800	29 800	225								
				4 800		252								
					15 000	376								
					15 000	397								
				127 900	100 000	398								
					154 800									
	31	40	42	1 204 790	1 377 765		41	28	29	727 780	515 700	445 400		
<u>Total - INTER-REGIONAL ACTIVITIES</u>														



## INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES

Regular Budget					Project No.	Technical Assistance				Other Extra-budgetary Funds		
Number of posts			Estimated obligations			Number of posts			Source of funds	Estimated obligations		
1965	1966	1967				1965	1966	1967		1965	1966	1967
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<u>Assistance to Research and Other Technical Services (continued)</u>												
<u>Venereal Diseases and Treponematoses (continued)</u>												
				Research on:								
	10 000	10 000	10 000	- Survival of non-pathogenic and pathogenic treponemes	VDT 4							
	4 000	3 000	2 000	- Cultivation of treponemes in transplants to experimental animals	VDT 5							
	3 000	3 000	5 000	- Cultivation of treponemes by commensal cells	VDT 6							
	4 000	4 000	4 000	- Electron microscopy of treponemes	VDT 7							
	4 500	4 000	4 000	- Enzyme systems	VDT 8							
	5 000	4 000	5 000	Strain collection and antisera bank	VDT 9							
				Research on:								
	3 000	3 000	8 000	- Immunochimistry of treponemes	VDT 10							
	3 000	3 000	6 000	- Epidemiological serology of treponematoses	VDT 11							
	1 500	2 000	3 000	- Specific treponemal microtests	VDT 12							
	1 000	500		- Comparative histopathology of treponematoses	VDT 13							
	5 000	10 000	10 000	- Immunology of <u>Neisseria</u> infections	VDT 14							
		5 000	5 000	- Attenuation of pathogenic treponemes and experimental vaccines	VDT 16							
	<u>58 000</u>	<u>63 500</u>	<u>73 000</u>									
BACTERIAL DISEASES												
(For text, see page 254)												
	15 000	10 000	10 000	International Salmonella Centre	ED 1							
	10 000	10 000	10 000	International Shigella Centre, Atlanta	ED 2							
	3 500	3 500	3 500	International Shigella Centre, London	ED 3							
	3 500	3 500	3 500	International centre for enteric phage-typing	ED 4							
	3 000	3 000	3 000	International centre for staphylococcal phage-typing	ED 5							
	6 000	6 000	6 000	Research on vaccines	ED 6							
	3 500	3 500	3 500	International centre for vibrio phage-typing	ED 7							
				Research on:								
	6 500	6 500	6 500	- Cerebrospinal meningitis	ED 10							
	20 000	40 000	70 000	- Cholera	ED 11							
	5 000	5 000	5 000	- Enteric infections	ED 12							
	1 500	3 000	3 000	International centre for streptococcus typing	ED 13							
		5 000	5 000	International Escherichia Centre	ED 14							
	3 500	3 500	3 500	International reference centre for meningococci	ED 15							
	<u>81 000</u>	<u>102 500</u>	<u>132 500</u>									
PARASITIC DISEASES												
(For text, see page 254)												
				Research on:								
	10 000	15 000	15 000	- Bilharziasis	FD 1							
	10 000	15 000	15 000	- Chemotherapy of helminthiases	FD 2							
	4 000	4 000	7 600	Small identification centre	FD 3							

INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES

Regular Budget				Project No.	Technical Assistance					Other Extra-budgetary Funds		
Number of posts			Estimated obligations			Source of funds	Estimated obligations					
1965	1966	1967	1965		1966		1967	1965	1966	1967		
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<p><u>Assistance to Research and Other Technical Services (continued)</u></p> <p><u>Parasitic Diseases (continued)</u></p> <p>Research on:</p>												
	20 000	25 000	25 000		FD 4							
	15 000	15 000	15 000		FD 5							
	5 000	5 000	5 000		FD 6							
	10 000	15 000	15 000		FD 8							
	14 000	15 000	15 000		FD 9							
	9 000	29 000	25 000		FD 11							
	3 000	3 000	3 000		FD 12							
		6 000	6 000		FD 14							
			3 000		FD 15							
			3 000		FD 16							
			5 000		FD 17							
	100 000	147 000	157 600									
<p>VIRUS DISEASES</p> <p>(For text, see page 255)</p>												
	10 000	5 000	5 000		VIR 1							
	1 500	3 000	3 000		VIR 2							
	6 000	10 000	10 000		VIR 3							
	10 000	5 000	5 000		VIR 5							
	13 000	15 000	15 000		VIR 6							
	5 000	10 000	10 000		VIR 7							
	7 500	7 500	12 000		VIR 8							
	15 000	15 000	15 000		VIR 10							
	15 000	15 000	15 000		VIR 11							
	2 000	2 000	2 000		VIR 15							
	10 000	5 000	5 000		VIR 16							
	2 000	2 000	2 000		VIR 17							
	5 000	5 000	5 000		VIR 18							
	1 000	1 000	1 000		VIR 20							
	2 000	10 000	10 000		VIR 21							
	1 000	2 000	1 000		VIR 22							
	3 000	5 000	5 000		VIR 23							
	10 000	16 000	16 000		VIR 25							
	3 000	14 000	24 000		VIR 26							
		10 000	10 000		VIR 27							
			20 000		VIR 31							
	122 000	157 500	191 000									



INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES

Regular Budget					Project No.	Technical Assistance				Other Extra-budgetary Funds		
Number of posts			Estimated obligations			Number of posts			Source of funds	Estimated obligations		
1965	1966	1967				1965	1966	1967		1965	1966	1967
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<u>Assistance to Research and Other Technical Services</u> (continued)												
VITAL AND HEALTH STATISTICS												
(For text, see page 257)												
	14 000	14 000	14 000	Centre for Classification of Diseases, London	DHS 1							
			8 000	Centre for Classification of Diseases, Moscow	DHS 2							
	<u>14 000</u>	<u>14 000</u>	<u>22 000</u>									
DENTAL HEALTH												
(For text, see page 258)												
		10 000	10 000	International and regional centres for epidemiology of dental diseases	DH 1							
		10 000	10 000	Research on the epidemiology of periodontal diseases	DH 2							
		<u>20 000</u>	<u>20 000</u>									
SOCIAL AND OCCUPATIONAL HEALTH												
(For text, see page 258)												
Research on:												
	2 000			- Occupational fatigue	SOH 1							
	3 000	3 000	3 000	- Respiratory diseases among textile workers	SOH 2							
	4 000	4 000	4 000	International Occupational Safety and Health Information Centre	SOH 3							
Research on:												
		5 000	5 000	- Effects of vibration on health	SOH 6							
			10 000	- Adaptation to extreme climatic conditions	SOH 7							
			10 000	- Functional changes in health and disease under conditions of work in stress situations	SOH 8							
	<u>9 000</u>	<u>12 000</u>	<u>32 000</u>									
CHRONIC AND DEGENERATIVE DISEASES												
(For text, see page 258)												
Research on:												
	15 000	15 000	18 000	- Ecology of atherosclerosis	CVD 1							
	6 000	6 000	6 000	- Chronic cor pulmonale	CVD 6							
	10 000	15 000	15 000	- Cardiomyopathies	CVD 7							
	4 000	4 000		- Vascular thrombosis, thrombo-embolic diseases and varicose veins	CVD 9							
	12 000	18 000	18 000	- Rheumatic heart disease	CVD 11							
	26 000	21 000	21 000	- Arterial hypertension	CVD 12							
	21 000	21 000	21 000	- Ischaemic heart disease	CVD 13							
	8 000	12 000	15 000	- Cerebrovascular disease	CVD 14							
	10 000	6 000	6 000	- Methodology of epidemiological studies	CVD 15							

INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES

Regular Budget					Project No.	Technical Assistance				Other Extra-budgetary Funds				
Number of posts			Estimated obligations			Number of posts			Estimated obligations					
1965	1966	1967	1965			1966	1967	1965	1966	1967	Source of funds	1965	1966	1967
	US \$	US \$	US \$				US \$	US \$	US \$		US \$	US \$	US \$	
				<u>Assistance to Research and Other Technical Services (continued)</u>										
				<u>Chronic and Degenerative Diseases (continued)</u>										
				International reference centres:										
	4 000	2 000		- Histopathology of soft-tissue tumours				CAN 2						
	4 000			- Histopathology of mammary tumours				CAN 3						
	4 000	2 000		- Histopathology of leukaemias and other neoplastic conditions of the haematopoietic cells				CAN 4						
	6 500	6 500	4 000	- Histopathology of bone tumours				CAN 5						
	10 000	10 000	10 000	- Provision of tumour-bearing animals				CAN 6						
	10 000	10 000	10 000	- Provision of frozen transplantable tumour strains				CAN 7						
				Research on:										
	30 000	30 000	20 000	- Prevalence of tumours				CAN 9						
	20 000			- Epidemiology of lung tumours				CAN 10						
				International reference centres:										
	4 000	4 000	4 000	- Histopathology of ovarian tumours				CAN 11						
	4 000	2 000		- Histopathology of oropharyngeal tumours				CAN 12						
	4 000	4 000	4 000	- Histopathology of thyroid gland tumours				CAN 13						
	4 000	4 000	4 000	- Histopathology of salivary gland tumours				CAN 14						
	4 000	4 000	4 000	- Histopathology of urinary bladder tumours				CAN 15						
	4 000	4 000	4 000	- Histopathology of skin tumours				CAN 16						
	20 000	20 000	20 000	Research on oral and oropharyngeal tumours				CAN 17						
				International reference centres:										
		2 000	4 000	- Histopathology of stomach and intestinal tumours				CAN 18						
		2 000	4 000	- Histopathology of oesophageal tumours				CAN 19						
		2 000	4 000	- Histopathology of odontogenic tumours				CAN 20						
				Research on:										
		10 000	10 000	- Oesophageal tumours				CAN 21						
		15 000	15 000	- Breast cancer				CAN 22						
				International reference centres:										
			4 000	- Histopathology of testicular tumours				CAN 23						
			4 000	- Histopathology of uterine and placental tumours				CAN 24						
				Research on:										
			10 000	- Lymphomas in Africa and other areas				CAN 25						
	5 000	5 000	5 000	- Prevalence of chronic rheumatic diseases and diabetes mellitus				GCD 1						
	<u>249 500</u>	<u>256 500</u>	<u>264 000</u>											
				HEALTH EDUCATION										
				(For text, see page 259)										
		6 000	6 000	Multidisciplinary study on motivation of health practices				HE 1						

INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES

Regular Budget					Project No.	Technical Assistance				Other Extra-budgetary Funds		
Number of posts			Estimated obligations			Number of posts			Source of funds	Estimated obligations		
1965	1966	1967				1965	1966	1967		1965	1966	1967
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<p><u>Assistance to Research and Other Technical Services</u> (continued)</p>												
<p>MATERNAL AND CHILD HEALTH (For text, see page 259)</p>												
<p>Research on:</p>												
			20 000									
			20 000		HR 1							
					HR 2							
			40 000									
<p>MENTAL HEALTH (For text, see page 259)</p>												
<p>Research on:</p>												
		40 000	40 000		MH 1							
		10 000	10 000		MH 2							
		50 000	50 000									
<p>NUTRITION (For text, see page 259)</p>												
<p>Research on:</p>												
40 000	40 000	40 000			NUTR 2							
11 000	11 000				NUTR 3							
11 000	11 000	20 000			NUTR 4							
21 000	21 000	10 000			NUTR 5							
15 000	15 000	25 000			NUTR 6							
14 000	14 000	14 000			NUTR 7							
		10 000	10 000		NUTR 8							
10 000	15 000	15 000			NUTR 9							
		5 000	5 000		NUTR 10							
122 000	137 000	139 000										
<p>RADIATION AND ISOTOPES (For text, see page 260)</p>												
<p>Research on:</p>												
10 000	10 000	15 000			RI 1							
4 000	4 000	4 000			RI 2							



INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts		Estimated obligations			Number of posts		Estimated obligations		Source of funds	Estimated obligations		
1965	1966	1967	1965		1966	1967	1965	1966		1967		
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<u>Assistance to Research and Other Technical Services (continued)</u>												
<u>Radiation and Isotopes (continued)</u>												
	40 000	40 000	40 000	- Radiation-induced biological changes and disease	RI 3							
	10 000	10 000	10 000	- Fundamental radiobiology	RI 5							
	40 000	15 000	15 000	- Populations exposed to high levels of natural radiation	RI 6							
		5 000	5 000	- Hospital radiological physics and practical radiation protection	RI 14							
	<u>104 000</u>	<u>84 000</u>	<u>89 000</u>									
 <b>ENVIRONMENTAL HEALTH</b> (For text, see page 260)  												
	5 000	15 000	15 000	Research on:								
	4 000	9 000	9 000	- Trace elements and synthetic organic compounds in the environment	EP 1							
	4 000	6 000	6 000	- Parameters for evaluating special inorganic wastes in water	EP 2							
			3 000	- Measurement of air pollution	EP 3							
			6 000	- Persistent synthetic organic compounds in water	EP 4							
	3 000	1 000	1 000	International reference centre for air pollution monitoring	EP 5							
	5 000	5 000	5 000	Provision of collecting kits	EBL 2							
				International reference centre for the diagnosis of diseases of vectors	EBL 3							
		2 000	2 000	Research on:								
			2 000	- Biological control agents	EBL 4							
		4 000	4 000	- Biological methods for monitoring water quality	EBL 5							
		4 000	4 000	- Water disinfection techniques	CWS 1							
		3 000	3 000	- Improvement of water supply systems	CWS 2							
		4 000	4 000	- New water supply materials	CWS 3							
		3 000	3 000	- Water supplies and the socio-economic status of the community	CWS 4							
		3 000		Preparation of technical monograph on management of water supplies	CWS 5							
<u>Vector Control</u>												
	16 000	6 000	6 000	Research on:								
	15 000	15 000	15 000	- Insecticides and pesticides	VC 1							
	4 000			- New chemicals for use in vector control	VC 2							
	2 000	3 000	3 000	- Resistant houseflies	VC 3							
	4 000			- Negatively correlated insecticidal compounds	VC 4							
	6 000			- Genetics of resistant insect vectors	VC 5							
				- Genetics and biochemistry of insects resistant to insecticides	VC 6							
	15 000	15 000	15 000	- Laboratory and simulated field evaluation of new insecticides	VC 7							

INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations		Number of posts			Source of funds	Estimated obligations			
1965	1966	1967			1965	1966	1967		1965	1966	1967	
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<u>Assistance to Research and Other Technical Services (continued)</u>												
<u>Environmental Health (continued)</u>												
<u>Vector Control (continued)</u>												
	18 000	18 000	18 000	- Basic screening of new chemicals for vector control	VC 8							
	6 000	6 000	6 000	- Toxicity of insecticides to mammals	VC 9							
	7 000	7 000	7 000	- Residual effectiveness of insecticides	VC 10							
	5 500	5 500	5 500	- Methods of analysis and specifications for new insecticides	VC 11							
	7 000	7 000	7 000	- Insecticides (field testing)	VC 12							
	2 000			- Irritability and resistance of mosquitos to insecticides	VC 17							
	3 000			- Resistance of insects in natural fly populations	VC 18							
	3 000			- Toxicity of cholinesterase-inhibiting insecticides	VC 19							
	3 000			- Biology of the <u>Culex pipiens</u> complex	VC 20							
	4 000	3 000	3 000	- Genetics of the <u>Culex pipiens</u> complex	VC 21							
	3 000			- Chemical and analytical methods for molluscicide formulation	VC 22							
	3 000	3 000	3 000	- Appliances for dispersing pesticides	VC 23							
		4 000	4 000	- Resistance of <u>Culex fatigans</u> and <u>Aedes aegypti</u>	VC 24							
		4 000	4 000	- Genetics of houseflies	VC 25							
	147 500	152 500	160 500									
EDUCATION AND TRAINING (For text, see page 261)												
	3 000	3 000	3 000	Exchange of teaching personnel	EMAS 1							
	3 000	3 000	3 000	Collection of data on medical and allied education	EMAS 2							
	6 000	6 000	6 000									
OTHER ACTIVITIES (For text, see page 261)												
	25 000	25 000	20 000	Research on:								
	25 000	25 000	20 000	- Immunopathological mechanisms	IM 1							
	25 000	25 000	20 000	- Immunochemistry	IM 2							
	25 000	25 000	20 000	- Immunizing agents	IM 3							
	25 000	25 000	17 000	- Identification and characterization of tissue antigens	IM 4							
		10 000	10 000	- Basic immunological mechanisms	IM 5							
		17 300	20 000	International reference centre for immunoglobulins	IM 6							
			10 000	Immunology research and training centre	IM 7							



INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds				
Number of posts			Estimated obligations		Number of posts			Estimated obligations	Source of funds	Estimated obligations			
1965	1966	1967			1965	1966	1967			1965	1966	1967	
			US \$	US \$	US \$				US \$	US \$	US \$		
<b>COLLABORATION WITH OTHER ORGANIZATIONS</b>													
(For text, see page 264)													
<b>PUBLIC HEALTH ADMINISTRATION</b>													
4	4	4	50 230	61 571	62 958	Liaison with UNICEF						138	
3	3	3	50 840	55 643	59 160	UNRWA (public health personnel)						139	
3	3	3	30 070	29 844	29 252	Liaison with ECA						263	
2	2	2	22 918	21 540	21 868	Liaison with IAEA						275	
			10 000			Investigation of health conditions in a trust territory						379	
1	1	1	6 500	19 200	21 300	Institute for economic planning and development						399	
13	13	13	170 558	187 798	194 538								
<b>VITAL AND HEALTH STATISTICS</b>													
			2 000			Second World Population Conference (United Nations/specialized agencies)						255	
<b>SOCIAL AND OCCUPATIONAL HEALTH</b>													
				25 000	20 000	Seminar on the health of seafarers (ILO/WHO)						179	
						Meeting on physiological studies, human adaptability project (ICSU/WHO)						400	
				25 000	20 000								
<b>MATERNAL AND CHILD HEALTH</b>													
						International Children's Centre, Paris						141	
							1	1	1	21 200	22 270	22 360	FT
<b>MENTAL HEALTH</b>													
			3 600			Third United Nations Congress on Prevention of Crime						371	

<sup>1</sup> FT = Funds-in-trust.

INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES

Regular Budget				Project No.	Technical Assistance						Other Extra-budgetary Funds		
Number of posts			Estimated obligations			Number of posts			Estimated obligations			Source of funds	
1965	1966	1967	1965		1966	1967	1965	1966	1967	1965	1966		1967
			US \$	US \$	US \$				US \$	US \$	US \$		
<u>Collaboration with Other Organizations</u> (continued)													
NUTRITION													
	14 600	14 900	16 100	Protein advisory group (FAO/UNICEF/WHO)	144	2	2	2	29 200	29 800	32 200	FT	
	6 000			Meeting on evaluation procedures for applied nutrition programmes (FAO/WHO)	149								
	7 760			Meeting on vitamin A requirements (FAO/WHO)	256								
	4 000			Meeting of regional nutrition and maternal and child health advisers	375								
	<u>32 360</u>	<u>14 900</u>	<u>16 100</u>			<u>2</u>	<u>2</u>	<u>2</u>	<u>29 200</u>	<u>29 800</u>	<u>32 200</u>		
RADIATION AND ISOTOPES													
	8 000			Meeting on basic health recommendations regarding exposure to ionizing radiation (ICRP/ICRU/WHO)	260								
	10 000			Course on radiochemical analysis (FAO/IAEA/WHO)	261								
	3 000			Participation in symposium on personnel dosimetry for accidental high-level exposure to external and internal radiation (IAEA)	282								
		5 000		Meeting of experts to prepare a manual on practical methods of assessment of body burdens of radioactivity (IAEA/ILO/WHO)	321								
	4 000			Symposium on radio-ecological concentration processes (FAO/IAEA/WHO)	322								
		4 000		Meeting on a system for intercomparison of radiation measurements in medical radiology (IAEA/ICRU/WHO)	323								
	4 000			Meeting on dosimetry and toxicity of thorotrast (IAEA/WHO)	367								
	3 900			Third meeting of IAEA panel on permissible emergency doses to the public	370								
	3 000			International centre for training and research in the medical applications of radioisotopes (IAEA)	378								
		6 700		Seminar on agriculture and public health interests in technical and administrative control of radiation contamination of the biosphere (FAO/IAEA/WHO)	401								
	<u>35 900</u>	<u>15 700</u>											
ENVIRONMENTAL HEALTH													
1	1	1	20 175	18 380	22 009								
						234							
						348			10 000			EPTA	
	<u>1</u>	<u>1</u>	<u>1</u>	<u>20 175</u>	<u>18 380</u>				<u>10 000</u>				

<sup>1</sup> FT = Funds-in-trust.

INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES

Regular Budget				Project No.	Technical Assistance				Other Extra-budgetary Funds			
Number of posts			Estimated obligations		Number of posts			Source of funds	Estimated obligations			
1965	1966	1967			1965	1966	1967		1965	1966	1967	
	US \$	US \$	US \$			US \$	US \$	US \$		US \$	US \$	US \$
<p><u>Collaboration with Other Organizations (continued)</u></p> <p style="text-align: center;">OTHER ACTIVITIES</p>												
		33 300	40 000	153								
		3 000		262								
4	4	66 204	63 120	365	1	7 000			FT			
		14 000		369								
				402	2	2	2	25 550	26 400	28 803	FT	
4	4	17 000	99 504		21	21	21	137 488	143 266	155 183		
14	18	18	281 593	361 282	355 767	24	24	24	187 888	205 336	209 743	
45	58	60	3 524 963	4 087 927	4 605 704	65	52	53	915 668	721 036	655 143	
<p style="text-align: center;">Total - COLLABORATION WITH OTHER ORGANIZATIONS</p> <p style="text-align: center;">Total - INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES</p>												

<sup>1</sup> FT = Funds-in-trust.

**Annex 3**

**VOLUNTARY FUND FOR HEALTH PROMOTION**

## VOLUNTARY FUND FOR HEALTH PROMOTION

The following summary table shows the number of posts and the estimated obligations foreseen in respect of the programmes financed or planned to be financed under the various special accounts included in the Voluntary Fund for Health Promotion, should sufficient voluntary contributions continue to be forthcoming:

### SUMMARY

	Number of posts			Estimated obligations		
	1965	1966	1967	1965 US \$	1966 US \$	1967 US \$
<i>Part I</i> Special Account for Medical Research . . . . .	33	28	52	970 159	2 057 038	2 271 148
<i>Part II</i> Special Account for Community Water Supply . . .	3	1	—	122 400	571 769	661 300
<i>Part III</i> Malaria Eradication Special Account . . . . .	42	68	76	1 362 264	2 023 713	2 345 858
<i>Part IV</i> Special Account for the Leprosy Programme . . .	—	35	36	17 500	1 249 641	1 475 037
<i>Part V</i> Special Account for the Yaws Programme . . . . .	—	26	23	—	377 997	602 097
<i>Part VI</i> Special Account for Smallpox Eradication . . . . .	—	—	29	23 126	—	2 400 400
<i>Part VII</i> Other special accounts . . . . .	—	—	—	179 204	—	—
Total	78	158	216	2 674 653	6 280 158	9 755 840



PART I : SPECIAL ACCOUNT FOR MEDICAL RESEARCH <sup>1</sup>

The following activities will be implemented to the extent that funds become available under this account:

HEADQUARTERS <sup>2</sup>

## 4.7 COMMUNICABLE DISEASES

## 4.7.1 Tuberculosis

(See page 487)

*Consultants:* to advise on the design and analysis of studies carried out as part of WHO-assisted tuberculosis surveillance research (three months).

*Duty travel:* to countries participating in WHO-assisted tuberculosis surveillance research.

## 4.7.2 Venereal Diseases and Treponematoses

(See page 487)

*Consultants:* (a) to appraise serological research data on false seroreactions in treponemal diseases obtained in the epidemiological investigations; and to analyse collateral data on original immunoplate investigations (two months); (b) to establish field trials of new serological tests for the diagnosis of early and latent gonococcal infections in three areas, including the meningococcus belt in Africa (one month).

*Duty travel:* to laboratories and institutes collaborating in the research programme.

## 4.7.3 Veterinary Public Health

(See page 488)

*Duty travel:* to research institutes and field areas where co-ordinated research is in progress.

*Other Costs* (see page 493)

(a) *A meeting on comparative rheumatology*, at which research workers will review co-ordinated studies on the epidemiology and pathology of arthritides in swine, horses and goats as compared with those of the human disease.

(b) *A meeting on animal virus classification*, to review progress in the characterization of animal viruses and the preparation of reference materials for this purpose.

## 4.7.6 Parasitic Diseases

(See page 488)

*Personnel:* an epidemiologist, a scientist/statistician, and a secretary to help in dealing with the increase in the volume of work in connexion with the medical research programme.

*Other Costs* (see page 492)

*A scientific group on amoebiasis*, to review (i) progress in differential diagnosis of pathogenic and non-pathogenic amoebae; (ii) the biology of forms of amoeba in man; (iii) diagnosis, with special reference to immunological tests, in order to differentiate between non-pathogenic forms of infection; and (iv) developments in the chemotherapy of amoebiasis.

## 4.8 PUBLIC HEALTH SERVICES

## 4.8.1 Public Health Administration

(See page 488)

*Duty travel:* to assist in the establishment of programmes of research in public health practice, and, later in the year, to observe their work and advise on their progress.

*Other Costs* (see page 492)

*A scientific group on screening methods in public health*, to discuss research in progress with a view to advising on the usefulness of such methods and their applicability to public health practice.

## 4.8.3 Organization of Medical Care

(See page 488)

*Consultants:* to study the existing documentation on ambulatory care facilities, suggest sampling methods to be used by the local temporary personnel in the countries where a study is being undertaken, analyse the results of the sample surveys, and make comparisons of ambulatory care facilities in selected developed and developing countries (two months).

*Other Costs* (see page 492)

*A scientific group on hospital frequentation and distribution of in-patients*, to study the results of the surveys to be conducted in 1966.

## 4.8.4 Health Laboratory Services

(See page 489)

*Consultants:* to prepare for the scientific group on antibiotics research described below (one month).

*Other Costs* (see page 492)

*A scientific group on antibiotics research*, to review collaborative work in progress relating to methodology for testing bacterial sensitivity to antibiotics for clinical and public health use; and to advise on areas requiring further research.

## 4.8.5 Nursing

(See page 489)

*Consultants:* (a) to continue the study (begun in 1964) of methodology for determining the relationship between the work expected of nurses and the instruction provided in basic nurse training programmes (eleven months); (b) to continue the study of staffing patterns in hospitals and health centres (five months).

<sup>1</sup> Among the activities shown under this account are various services to research that are being financed totally or in part from grants received from the National Institutes of Health (United States of America). Such activities are marked by asterisks in the detailed cost schedules.

<sup>2</sup> The main sections hereunder are numbered to correspond with the relevant sections of Annex 1 of the volume.

*Duty travel:* to attend a conference on staffing patterns, in connexion with the studies started in 1964.

#### 4.8.6 Health Education

(See page 489)

*Consultants:* to explore ways of training research workers to carry out the studies in health education and the relevant social sciences required as a basis for planning the health education aspects of community health services, following the recommendations of the scientific group on studies in health education in 1966 (twelve months).

#### 4.8.8 Human Reproduction

(See page 489)

*Consultants:* (a) to assist in preparing for the scientific groups described below; (b) to continue the programme for the study of human pituitaries as regards purity, assay, and new preparations; (c) to review the human reproduction programme and help plan future activities; (d) to help plan activities in population dynamics (a total of eight months).

*Duty travel:* to visit centres and laboratories in connexion with the research programme in human reproduction.

*Other Costs* (see page 492)

(a) *A scientific group on clinical aspects of oral gestogens*, to review the latest information on this subject.

(b) *A scientific group on intra-uterine devices*, to review the latest knowledge on this subject, which is now very prominent in studies of fertility control.

(c) *A scientific group on fertility control substances, with special reference to plants*, to review the latest information on plants reputed to be the source of substances affecting fertility.

### 4.9 HEALTH PROTECTION AND PROMOTION

#### 4.9.2 Mental Health

(See page 490)

*Consultants:* to review the research programmes on the epidemiology of mental disorders which are under way, and to study means of co-ordination (six months);

*Duty travel:* to co-operating centres and individual investigators in connexion with the development of the research programme in mental health.

*Other Costs* (see page 493)

*A meeting on cross-cultural studies of mental disorders*, to review studies in progress, promote co-ordination, and make recommendations on the refinement of research methods. Participants will be investigators engaged in WHO collaborative research.

#### 4.9.5 Cardiovascular Diseases

(See page 490)

*Consultants:* to assist in studies on the effect of environmental stress on ischaemic heart disease and hypertension; on the effect of conditioning and reconditioning in the prevention of cardiovascular diseases; and on the effect of urbanization on the development of cardiovascular diseases (a total of four months).

*Duty travel:* to co-ordinate work in centres where studies are being carried out and to visit other institutes to plan future co-operation.

*Other Costs* (see page 493)

(a) *A meeting on the epidemiology of chronic cor pulmonale.*

(b) *A meeting on urbanization and the pattern of cardiovascular diseases.*

(c) *A meeting on genetic factors in cardiovascular diseases.*

#### 4.9.6 Cancer

(See page 490)

*Consultants:* (a) to prepare studies on the epidemiology of bladder cancer (six weeks); (b) to make a review of the existing classification of eye tumours and help in establishing an international reference centre (two weeks); (c) to finalize the work on classification done by the international reference centre for oropharyngeal tumours (two weeks); and (d) to finalize the work on classification done by the international reference centre for leukaemias and other neoplastic conditions of the reticulo-endothelial system (two weeks).

*Duty travel:* visits to the international reference centres for salivary gland tumours and thyroid gland tumours, to assist in the preparation of the final report of the work done by these centres.

*Other Costs* (see pages 492 and 493)

(a) *A scientific group on the testing of histopathological classifications*, to analyse the results of observer variations in testing criteria for the histological classifications proposed.

(b) *A scientific group on the epidemiology of lung tumours*, to review the results of the work started in 1959.

(c) *A meeting on bladder tumours*, to review the present state of knowledge as regards a possible association between bladder cancer, industrial hazards and bilharziasis. Participants will be investigators engaged in WHO collaborative research.

(d) *A scientific group on the histopathological nomenclature of salivary gland tumours*, to finalize the work of the international reference centre.

(e) *A scientific group on the histopathological nomenclature of thyroid gland tumours*, to finalize the work of the international reference centre.

#### 4.9.7 Radiation and Isotopes

(See page 490)

*Consultants:* to assemble data from and review current studies on radiobiology and on radiation-induced effects and disease in human subjects, including patients who have received medical radiation (thirteen months).

*Duty travel:* to visit institutions collaborating in the research programme.

**Other Costs** (see page 493)

*A meeting on radiobiology*, to consider the present state of knowledge in various aspects of radiation-induced disease. Participants will be investigators engaged in WHO collaborative research.

**4.9.8 Human Genetics**

(See page 490)

*Consultants*: to review comparative studies of congenital malformations; studies of chromosomal, biochemical and other genetic differences among individuals and groups; studies of populations of unusual genetic interest (particularly primitive population groups); studies of the effects of inbreeding; and studies of twins (six months).

*Duty travel*: to visit institutions collaborating in the research programme.

**Other Costs** (see page 493)

*A meeting on comparative studies of genetic conditions*, to discuss the development of experimental studies of genetically controlled disease syndromes in animals, which closely resemble those found in man. The participants will be geneticists, clinicians, veterinary scientists and other specialists.

**4.9.9 Gerontology and Chronic Non-communicable Diseases**

(See page 491)

*Consultants*: to advise on the development of epidemiological studies on rheumatic diseases, diabetes and endemic nephropathy (three months).

**4.10 ENVIRONMENTAL HEALTH****4.10.1 Wastes Disposal**

(See page 491)

*Consultants*: to assist in initiating a study of methods of treatment for the satisfactory disposal of slurries and solid wastes from industrial processes (one month).

*Duty travel*: to institutions collaborating in research on waste treatment and disposal.

**4.10.2 Environmental Pollution**

(See page 491)

*Personnel*: a scientist, a technical assistant, and a secretary to help in dealing with the increase in the volume of work in connexion with the medical research programme.

*Consultants*: to collect, review and study data on sensory irritation and interference with visibility caused by air pollutants (two months).

*Duty travel*: to research institutions carrying out work on air and water pollution, in preparation for meetings of directors of research laboratories.

**Other Costs** (see pages 492 and 493)

(a) *A scientific group on methods for studying environmental epidemiology*, to review existing methods for the epidemiological evaluation of the effects of environmental pollution, with a view

to recommending research to improve them or develop new methods; to discuss methods for measuring various degrees of exposure to pollutants in certain populations, and for estimating the sensitivity or adaptability to exposure in sub-groups within the main groups studied.

(b) *A scientific group on laboratory and epidemiological research in environmental pollution control*, to review toxicological and epidemiological experience and define criteria for the interpretation of physiological, biochemical or clinical reactions of humans exposed to environmental pollutants. It would also discuss and recommend procedures and research needed to interpret data from animal experiments with a view to applying them to public health regulations and standards. Particular attention would be paid to groups of synthetic organic pollutants.

(c) *A meeting on air pollution research*, to enable directors of laboratories to exchange research experience and information on sampling procedures, the physico-chemical analysis of atmospheric pollutants, and biological indices that can be used in determining the severity of air pollution in a community.

(d) *A meeting on water pollution research*, to enable directors of laboratories to exchange research experience and information on sampling techniques, analytical procedures and indices for the assessment of surface water quality.

**4.10.3 Sanitation Services and Housing****Other Costs** (see page 492)

*A scientific group on the public health aspects of housing*, to review methods used in research on the basic physiological and sociological considerations to be taken into account in housing, and to consider how modern procedures, such as systems analysis, can be applied to such research.

**4.10.4 Environmental Biology**

(See page 491)

*Personnel*: a biologist, a technical assistant and a clerk-stenographer to help in dealing with the increase in the volume of work in connexion with the medical research programme.

*Duty travel*: to laboratories collaborating in the research programme.

**4.10.5 Community Water Supply**

(See page 491)

*Personnel*: a scientist, a technical assistant and a clerk-stenographer to help in dealing with the increase in the volume of work in connexion with the medical research programme.

*Consultants*: to advise on physiological and epidemiological considerations in the establishment of drinking-water standards (two months).

*Duty travel*: to laboratories engaged in work in the various fields connected with community water supply.

**Other Costs** (see page 493)

*A meeting on public health aspects of water supply*, to review the research work carried out in 1965 and 1966 and make

proposals for future co-ordinated research and technical investigations. The participants will be the directors of laboratories and institutions collaborating in the WHO programme.

#### 4.13 VECTOR CONTROL

(See page 492)

*Personnel:* a toxicologist, a technical assistant and a clerk-stenographer to help in dealing with the increase in the volume of work in connexion with the medical research programme.

*Consultants:* (a) to carry out investigations associated with small-scale trials of newly developed insecticides for the control of insects of public health significance (three months); (b) to visit laboratories and institutes engaged in research on the genetics, biology and ecology of insecticide resistance, carry out surveys, and review the present status of resistance (three months); (c) to assist in organizing and evaluating field research studies on insecticides under the collaborative programme (three

months); (d) to visit laboratories and institutes carrying out biochemical and physiological research on insect resistance, and laboratories collaborating in the development of specifications for pesticides (three months).

*Duty travel:* to advise on the various aspects of insecticide resistance, evaluate ecological aspects of insect behaviour patterns, and advise on the practical application of control methods; and to study the work of field research units.

*Other Costs* (see page 493)

(a) *A scientific group on the cytogenetics of vectors of diseases of man.*

(b) *A meeting on evaluation and testing of new insecticides, to review the work carried out in 1966 and make proposals for investigations in 1967. Participants will be the directors of laboratories collaborating in the WHO testing programme.*

(c) *A seminar on the oriental rat flea and certain intermediate hosts of diseases of man, to discuss their biology, ecology and control.*

#### INTER-REGIONAL ACTIVITIES

(See page 494)

##### 1. Tuberculosis

*Research Team on Tuberculosis Prevention* Inter-regional 381

To study (i) the possible modification of the effect of BCG in populations with a high prevalence of non-specific allergy; and (ii) the differential protective effect in man of different BCG strains and of vaccines of different potency. *Provision:* an epidemiologist, a biologist and a statistician, \$55 003; a consultant, \$3200; supplies and equipment, \$5000.

##### 2. Parasitic Diseases

(a) *Onchocerciasis Research Team* Inter-regional 265

To undertake epidemiological surveys in regions with different levels of endemicity of onchocercal infections, and in a control area without infection. *Provision:* an epidemiologist/parasitologist, an entomologist/biologist, and a laboratory technician, \$45 936; consultants (an ophthalmologist, a statistician and a nutritionist) for a total of six months, \$10 200; supplies and equipment, \$3000.

(b) *Filarial Infections Research Team* Inter-regional 266

To (i) develop standard techniques, procedures and parameters for use in epidemiological investigations of filarial infections; (ii) assess the effect of mass therapy on the incidence of filarial infections in man and on the reduction of mosquito parasite rates; and (iii) study factors favouring the transmission of such infections and the bionomics and ecology of mosquito vectors of *Wuchereria* and *Brugia*, with a view to advising on practical control measures under different ecological conditions. *Provision:* an epidemiologist/parasitologist, an entomologist/biologist, and a laboratory technician, \$45 936; supplies and equipment, \$3000.

(c) *Epidemiological Team on Parasitic Diseases* Inter-regional 382

To study parasitic diseases of particular international importance with a view to promoting the use of modern epidemio-

logical methods and techniques, to estimate the impact of these diseases on the economy of countries, and to evaluate the preventive measures used in their control. *Provision:* an epidemiologist, a sanitary engineer, a biologist, a parasitologist, and a laboratory technician, \$80 568; supplies and equipment, \$5400.

(d) *Bilharziasis Study Team* Inter-regional 383

To assess the medical and public health significance of bilharziasis. The absence of a constant characterized manifestation in bilharziasis is the main reason why the importance of the disease is minimized or misunderstood, and this makes it difficult to analyse morbidity or mortality statistics. The team would survey different areas in the Eastern Mediterranean, African and American Regions, using sound methods and techniques for morbidity measurement. *Provision:* an epidemiologist, a clinical pathologist, and a laboratory technician, \$51 742; supplies and equipment, \$3000.

(e) *Sero-immunology Team* Inter-regional 384

To carry out a continuous investigation with follow-up studies in several areas where parasitic diseases are endemic, and including large-scale skin-test surveys, collection of serum samples, and evaluation of parasite antigens that are already available and of others that are being developed. *Provision:* a sero-immunologist (team leader), a clinician, a statistician, and a technician, \$64 360; supplies and equipment, \$5000.

(f) *Training in Medical Mycology* Inter-regional 385

A three-week course on medical mycology, including the control of *Tinia capitis*, to be held in Yugoslavia for twenty participants (communicable disease control officers, senior public health and hospital laboratory personnel, and teachers of medical mycology). The course would emphasize (i) modern laboratory and immunological methods for the detection and diagnosis of superficial and systemic mycoses, and (ii) the basic epidemiological features of the major infections. *Provision:* consultants, \$6800; attendance of participants, \$22 000; supplies and equipment, \$1600.

**3. Dental Health**

*Team on the Epidemiology of Periodontal Diseases* Inter-regional 302

To continue previous work on the epidemiology of periodontal diseases and to institute longitudinal community studies on the prevention of such diseases, utilizing as tools periodic oral prophylaxis and instruction on oral hygiene measures to be used in the home. *Provision:* an epidemiologist and a statistician, \$22 891; supplies and equipment, \$1000.

**4. Chronic and Degenerative Diseases**

*Cancer Advisory Team, South America* Inter-regional 304

To promote and plan epidemiological studies in Latin American countries. *Provision:* an epidemiologist, a pathologist and two clerical assistants, \$74 560.

**5. Nutrition**

*Study of Methods of Prevention of Malnutrition in Young Children* Inter-regional 305

An epidemiological study of malnutrition in young children in developing countries, with a view to developing methods of prevention of protein-calorie deficiency. *Provision:* a medical nutritionist, a non-medical nutritionist, and a statistician, \$37 893; consultants, \$10 200.

**6. Environmental Health**

(a) *Epidemiological Team on Atmospheric Pollution* Inter-regional 386

To measure air pollution, respiratory function and symptoms by standardized methods in selected areas; and to give guidance on preventive measures to local agencies. The team will also train local staff. *Provision:* a scientist, an epidemiologist and a secretary, \$36 825; supplies and equipment, \$4500.

*Vector Control:*

(b) *Filariasis Research Unit, Rangoon* Inter-regional 271

To assess the severity of clinical manifestations of filariasis, measure the change of microfilarial densities in the population under treatment, and evaluate the effect of vector control measures in the pilot area on interruption of transmission of the disease. *Provision:* an epidemiologist/parasitologist to supplement the staff of the research unit shown under the regular budget (see page 251), \$15 619.

(c) *Aedes aegypti Research Unit* Inter-regional 306

To carry out research and field trials on the control of *Aedes aegypti*, using organophosphorus, carbamate and other insecticides, biological control procedures, and other techniques not at present employed. *Provision:* three entomologists, \$36 789; consultants, \$5100; supplies, equipment and operational costs, \$9000.

**ASSISTANCE TO RESEARCH AND OTHER TECHNICAL SERVICES**

(See page 495)

**1. Tuberculosis**

*Research on:*

TB 109 *Interpretation of chest X-rays.* Development of a classification of X-rays giving consistent observer readings in regard to etiology and activity.

TB 110 *Antituberculosis drugs.* Research on the development of repository antituberculosis drugs.

TB 111 *Sarcoidosis.* Study of the etiological relationship between sarcoidosis and mycobacterial diseases.

TB 113 *Tuberculosis surveillance.* Studies to define the epidemiological and operational information of significance for effective programme formulation in countries with a low and declining tuberculosis problem.

**2. Venereal Diseases and Treponematoses**

(a) *International Reference Centre*

VDT 110 *Neisseria* (Copenhagen). Isolation, typing and maintenance of *Neisseria* strains (i) with high antigenicity and (ii) with a changing pattern of antibiotic sensitivity; and inter-laboratory assays of synthetic media.

(b) *Research on:*

VDT 103 *Treponema immunology.* Studies on the survival of treponemes in lymph-node and bone marrow in endemic treponematoses areas (Yugoslavia, Australia and Upper Volta).

VDT 104 *Electron microscopy of treponemes.* Studies similar to those described in Annex 2 under Inter-regional and Other Programme Activities (Assistance to Research—VDT 7).

VDT 108 *Fractionation of lipoidal and treponemal antigens and antibodies.* Fractionation studies using immuno-electrophoresis.

VDT 109 *Irkintja.* Studies on the isolation of the desert treponeme of Australia, its serological pattern and classification.

VDT 111 *Cross-immunology of Neisseria.* Trials to be undertaken in Africa following field trials against cerebrospinal meningitis. Cross-immunological features observed in the laboratory support the justification for limited trials of this nature.

VDT 112 *New antibiotics.* Investigations into the treponemocidal value of new antibiotics as possible alternatives to penicillin.

VDT 113 *Influence of temperature and oxygen on treponemes.* Studies of the relationship of these factors to the virulence of treponemes.

VDT 114 *Attenuation of treponemes by irradiation.* Studies to compare the activity of protein antigens derived from gamma-irradiated and non-irradiated treponemes.

**3. Bacterial Diseases**

(a) *International Reference Centre*

BD 107 *Pathogenic anaerobes.* The centre identifies strains of *Clostridia* and other anaerobes, supplies type strains and specific antisera, promotes epidemiological studies, and collects and

exchanges information on the sources, origins and spread of those organisms that are of public health significance.

(b) *Research on:*

BD 105 *Streptococcal infections.* Studies on the etiology and epidemiology of streptococcal infections related to rheumatic heart disease, nephritis, and other conditions caused by streptococci.

BD 106 *Bacterial hospital infections.* Study of hospital infections, their mode of spread, and methods of controlling the transmission of bacteria and bacterial infections in hospitals and nurseries.

#### 4. Veterinary Public Health

*Research on:*

VPH 103 *Rabies ecology.* Studies on the behaviour of rabies in populations of wild reservoirs and vectors; field trials of control measures based on reduction of wild animal populations.

VPH 104 *Brucellosis.* Field trial of Rev. 1 sheep and goat vaccine, to observe the effect on the incidence of infection in man and animals.

VPH 105 *Atherosclerosis and cardiomyopathies.* Studies on various histological components of atherosclerosis in primates, swine and birds as compared with those in human atherosclerosis. Studies on cardiomyopathies of domestic animals, with special reference to those induced by plant toxins, in areas where human cardiomyopathies are prevalent.

VPH 106 *Bladder cancers.* Pathological and epidemiological studies on bladder cancer in bovines, with special reference to transmissibility; epidemiological studies in endemic and non-endemic areas; comparison with incidence in man.

VPH 107 *Leptospirosis.* Studies on methods of epidemiological investigation of leptospirosis and the effect of vaccination on the incidence of the disease in selected areas.

#### 5. Public Health Administration

*Research on:*

PHA 101 *Rural-urban migration.* Studies in two large cities to analyse the various types of health hazards due to rapid rural-urban migration.

OMC 103 *Ambulatory care facilities.* Sampling surveys in selected developed and developing countries in connexion with the consultant study on this subject, which is part of the study on hospital utilization.

#### 6. Dental Health

*Research on:*

DH 101 *Epidemiology of dental diseases.* To supplement the provision in the regular budget, under Inter-regional and Other Programme Activities. (Assistance to Research—DH 1).

#### 7. Chronic and Degenerative Diseases

*Research on:*

CAN 104 *Methodology of histopathological classifications.* Research with a view to eliminating problems encountered in the use of the new histopathological classifications for tumour sites, e.g. differences in observer interpretation caused by variations in readings of reference slides.

#### 8. Maternal and Child Health

(a) *Research on:*

HR 107 *Laboratory animals for research on reproduction.* Investigations to find experimental animals whose reproductive cycle compares more nearly with the reproductive cycle in human beings than does that of the animals in use at present, and which would be suitable for the study of problems connected with human reproduction.

HR 113 *Ovulation time in the human.* Studies to find a cheap, speedy and accurate method for determining the time of ovulation.

HR 114 *Plants affecting fertility.* To survey plants believed to have some effect on reproduction, and to study the most promising ones, e.g. lithosperm and *Apium graveolens*.

HR 115 *Effects of metals and other substances on human reproduction.* Cadmium and zinc are known to affect reproduction, sometimes causing sterility. Studies on the effects of metals and other substances are proposed.

(b) *Services to Research*

HR 106 *Collection of human pituitary glands for research purposes.* Collection of human pituitary glands that are required for research and chemical studies on human hormones; and extraction, purification and distribution of the hormones obtained.

HR 108 *Exchange of scientific workers* in connexion with the research on human reproduction described under (a) above.

HR 117 *Documentation centre for biomedical literature.* Support for a documentation centre for biomedical literature on all aspects of human reproduction, from which extracts and copies—microfilmed or otherwise—can be made available upon request.

#### 9. Nutrition

*Research on:*

NUTR 106 *Nutritional status and toxicity of food additives.* To supplement the provision in the regular budget under Inter-regional and Other Programme Activities (Assistance to Research—NUTR 10).

#### 10. Radiation and Isotopes

*Research on:*

RI 102 *Late effects of radiation and effects of chronic low-level irradiation.* Investigations on late effects of radiation on man, and on the effects of continued exposure to radiation such as that from radioactive material deposited in the body.

#### 11. Environmental Health

(a) *International Reference Centres*

EP 107 *Air pollution effects.* The centre would test the efficacy of standardized respiratory survey methods for predicting long-term health impairment associated with exposure; test the validity and reliability of modifications now being made to existing methods, and of new methods; and recommend standardized procedures for training personnel and disseminating information.

CWS 101 *Community water supply.* The centre would provide facilities for establishing criteria and promoting the use of guidelines for the design and operation of community water supply facilities, especially in developing countries; provide

technical services for comparing and adapting designs and operational procedures best suited to the economic and technical possibilities of those countries; train workers of collaborating institutions, test the practical usefulness of new methods and procedures developed by those institutions, and disseminate the results of their investigations.

(b) *Other Services to Research*

EBL 103 *Collecting kits for aquatic organisms.* Development, procurement and distribution of an appropriate collecting kit to facilitate the identification and study of aquatic organisms utilized in the biological monitoring of water quality or responsible for pest problems in water distribution systems.

(c) *Research on:*

EP 105 *Personal air-monitoring apparatus.* Development of simple light-weight apparatus which could be worn by persons exposed to specific atmospheric pollutants to estimate the degree of pollution, indoors and outdoors, with a view to epidemiological studies.

EP 106 *Survey methods for the evaluation of air pollution.* A study to test available techniques for estimating the intensity of community reactions to odours, sensory irritation and interference with visibility; the aim of the study is to assist in selecting uniform procedures for estimating impairment of well-being in exposed populations.

EP 108 *Soil and inorganic chemical pollutants.* To assess the physico-chemical reactions of various types of soils and their capacity for retaining inorganic pollutants (in suspension or in solution) in waste waters or heavily polluted waters.

EBL 102 *Test organisms for bio-assay of microchemical contaminants.* Research on the laboratory culture and strain standardization of test organisms for use in monitoring microchemical contamination of the environment.

EBL 104 *Ecological methods for monitoring atmospheric pollution.* Laboratory studies to identify the airborne contaminants which so alter lichens and other vegetation as to suggest that the latter may be suitable as ecological indicators for the monitoring of atmospheric pollution.

EBL 105 *Environmental control of human pathogens and parasites.* Studies directed towards improved control of disease agents by means of water- and waste-treatment processes.

SSH 101 *Basic physiological considerations in housing.* Studies on the physiological and sensory effects on man of hygrothermal factors and of air currents inside dwellings.

SSH 102 *Microclimates and the planning of buildings.* Studies on methods for determining the characteristics of microclimates in relation to regional climates, and the effect of the planning and orientation of buildings on their microclimate.

CWS 102 *Use of desalinated water for community supplies.* A study of the effects on water quality and on water supply systems of utilizing demineralized water; and of the special precautions that may be necessary to remedy deficiencies of naturally occurring minerals or to counteract possible deleterious physical properties of such water.

CWS 103 *Public health aspects of water re-use.* A study of the effects on public health and on water supply systems of waters that have been previously used for domestic or other purposes and are later used for community supplies; and of precautions to

prevent, and technical measures to remove, the accumulation of undesirable substances.

(d) *Vector Control: Research and Services to Research*

VC 101 *Standard strains of insects.* Maintenance at centres in different parts of the world of standard strains of resistant and susceptible insects of public health importance; provision of transport facilities for the supply of such strains to investigators.

VC 102 *Radioactive insecticides.* Procurement of standard isotopically labelled insecticides and their distribution to investigators collaborating with WHO in research on insecticide resistance.

VC 103 *Reference materials, pure chemicals and special compounds.* Maintenance of supplies of certain pure and standard chemicals and their distribution to investigators in different parts of the world.

VC 104 *Equipment and chemicals.* Procurement of equipment and chemicals for use in limited field trials in vector control.

VC 105 *Chemistry and formulation of pesticides.* Studies on the chemistry and formulation of newly-developed insecticides.

VC 106 *Toxicity of pesticides to man.* Studies on the toxicology of pesticides and chemosterilants.

## 12. Other Activities

### (1) Immunology

#### *International Reference Centres*

IM 106 *Immunoglobulins.* To supplement the provision in the regular budget under Inter-regional and Other Programme Activities (Assistance to Research—IM 6).

IM 107 *Immunology research and training centres in developing countries.* To help centres in developing countries to train the scientific manpower necessary for research in diagnosis, pathogenesis and immunoprophylaxis.

### (2) Human Genetics

#### *Research on:*

HG 101 *Genetics of special groups.* Studies, in isolated populations and other special groups, of the relationship to social and biological factors (including disease) of mating patterns and inbreeding, age structure and life expectancy, fertility differences, genetically determined illness, and chance fluctuations in gene frequencies.

HG 102 *Clinical genetics.* Research into the diagnosis and treatment of widespread hereditary conditions such as congenital deafness, blindness and other eye defects, skeletal deformities and congenital malformations.

### (3) General Assistance to Research

RPC 101 *Exchange of research workers.* To supplement the provision in the regular budget under Inter-regional and Other Programme Activities (Assistance to Research—RPC 1).

RPC 102 *Research training.* To supplement the provision in the regular budget under Inter-regional and Other Programme Activities (Assistance to Research—RPC 2).

RPC 103 *Research by individual investigators.* To supplement the provision in the regular budget under Inter-regional and Other Programme Activities (Assistance to Research—RPC 3).

## SPECIAL ACCOUNT FOR MEDICAL RESEARCH

	Number of posts			Estimated obligations		
	1965	1966	1967	1965	1966	1967
				US\$	US\$	US\$
<b>SPECIAL ACCOUNT FOR MEDICAL RESEARCH: ESTIMATED OBLIGATIONS</b>						
<b>OPERATING PROGRAMME: SUMMARY</b>						
<b>HEADQUARTERS</b>						
<u>Research Planning and Co-ordination</u>						
Office of the Director .....	7			22 660		
<u>Biology and Pharmacology</u>						
Biological standardization .....				1 200	3 700	
Pharmacology and toxicology .....				3 200	5 100	
<u>Communicable Diseases</u>						
Tuberculosis .....					8 100	8 100
Venereal diseases and treponematoses .....				2 400	6 200	6 200
Veterinary public health .....				250	1 500	1 000
Virus diseases * .....	3	3		39 340	47 841	
Parasitic diseases* .....	6		3	55 500	8 500	22 614
<u>Public Health Services</u>						
Public health administration .....					3 700	3 700
Organization of medical care .....				3 000		3 400
Health laboratory services .....						1 700
Nursing .....				4 800	17 000	27 900
Health education .....				1 600	3 400	20 400
Maternal and child health .....					19 200	
Human reproduction .....				17 600	17 600	18 600
<u>Health Protection and Promotion</u>						
Social and occupational health .....		2		3 200	21 066	
Mental health .....				2 000	12 200	14 200
Nutrition .....					13 200	
Dental health .....				1 600		
Cardiovascular diseases .....				9 800	11 500	9 800
Cancer .....				1 000	8 900	7 200
Radiation and isotopes .....					22 600	22 600
Human genetics .....					10 700	12 200
Gerontology and chronic non-communicable diseases .....						5 100
<u>Environmental Health</u>						
Wastes disposal .....			3			2 700
Environmental pollution .....	2		3	12 830	5 100	23 273
Environmental biology .....		1	3		4 800	19 073
Community water supply .....			3			24 273
<u>Vector Control</u> * .....	7	3	3	85 600	44 591	45 361
Sub-total	25	9	15	267 580	296 498	299 394
<u>Other Costs</u> .....				172 800	346 400	337 400
<u>Other Statutory Staff Costs</u> .....				53 970	31 020	56 755
Total - HEADQUARTERS	25	9	15	494 350	673 918	693 549
<b>FIELD</b>						
Inter-regional and other programme activities .....	8	19	37	475 809	1 473 897	1 678 472
Total - FIELD	8	19	37	475 809	1 473 897	1 678 472
Total	33	28	52	970 159	2 147 815	2 372 021
<u>Less: Delays in filling new posts</u> .....					90 777	100 873
Net total - OPERATING PROGRAMME	33	28	52	970 159	2 057 038	2 271 148

\* Financed totally or in part from grants received from the National Institutes of Health (United States of America).



	Number of posts			Estimated obligations		
	1965	1966	1967	1965	1966	1967
				US\$	US\$	US\$
<b>OPERATING PROGRAMME: DETAILS</b>						
(For text, see page 479)						
<b>4.3 RESEARCH PLANNING AND CO-ORDINATION</b>						
<b>4.3.0 Office of the Director</b>						
<u>Biomedical research information service</u>						
Scientist .....	P2	1				
Administrative assistant .....	G7	1				
Clerk .....	G4	1				
Clerks .....	G3	4				
Total established posts			7	22 660		
<b>4.5 BIOLOGY AND PHARMACOLOGY</b>						
<b>4.5.1 Biological Standardization</b>						
Consultants' fees .....					800	
<u>Travel</u>						
Duty .....			1 200	2 000		
Consultants .....				900		
Total			1 200	3 700		
<b>4.5.4 Pharmacology and Toxicology</b>						
Consultants' fees .....			1 600	2 400		
<u>Travel</u>						
Consultants .....			1 600	2 700		
Total			3 200	5 100		
<b>4.7 COMMUNICABLE DISEASES</b>						
<b>4.7.1 Tuberculosis</b>						
Consultants' fees .....				2 400	2 400	
<u>Travel</u>						
Duty .....				3 000	3 000	
Consultants .....				2 700	2 700	
Total				8 100	8 100	
<b>4.7.2 Venereal Diseases and Treponematoses</b>						
Consultants' fees .....			1 200	2 400	2 400	
<u>Travel</u>						
Duty .....				1 100	1 100	
Consultants .....			1 200	2 700	2 700	
Total			2 400	6 200	6 200	

## SPECIAL ACCOUNT FOR MEDICAL RESEARCH

	Number of posts			Estimated obligations		
	1965	1966	1967	1965 US\$	1966 US\$	1967 US\$
<u>Communicable Diseases (continued)</u>						
4.7.5 <u>Veterinary Public Health</u>						
<u>Travel</u>						
Duty .....				250	1 500	1 000
Total				250	1 500	1 000
4.7.4 <u>Virus Diseases</u> *						
Medical officer .....	P4	1	1		9 114	
Technical assistant .....	P1	1	1		4 900	
Clerk-stenographer .....	G3	1	1		4 027	
Total established posts		3	3	10 940	18 041	
Consultants' fees .....				11 200	11 200	
<u>Travel</u>						
Duty .....				6 000	6 000	
Consultants .....				11 200	12 600	
Total				39 340	47 841	
4.7.6 <u>Parasitic Diseases</u>						
Epidemiologist .....	P5		1			10 650
Medical officers .....	P4	2				
Scientist .....	P3		1			7 460
Technical assistants .....	P1	2				
Administrative assistant .....	G6	1				
Secretary .....	G4		1			4 504
Clerk-stenographer .....	G3	1				
Total established posts		6	3	37 700		22 614
Consultants' fees .....				6 400	4 000	
<u>Travel</u>						
Duty .....				5 000		
Consultants .....				6 400	4 500	
Total				55 500*	8 500	22 614
4.8 PUBLIC HEALTH SERVICES						
4.8.1 <u>Public Health Administration</u>						
<u>Travel</u>						
Duty .....					3 700	3 700
Total					3 700	3 700
4.8.3 <u>Organization of Medical Care</u>						
Consultants' fees .....				800		1 600
<u>Travel</u>						
Duty .....				1 400		
Consultants .....				800		1 800
Total				3 000		3 400

\* Financed totally or in part from grants received from the National Institutes of Health (United States of America).

	Number of posts			Estimated obligations		
	1965	1966	1967	1965	1966	1967
				US\$	US\$	US\$
<u>Public Health Services (continued)</u>						
4.8.4 <u>Health Laboratory Services</u>						
Consultants' fees .....						800
<u>Travel</u>						
Consultants .....						900
Total						1 700
4.8.5 <u>Nursing</u>						
Consultants' fees .....				2 400	8 000	12 800
<u>Travel</u>						
Duty .....						700
Consultants .....				2 400	9 000	14 400
Total				4 800	17 000	27 900
4.8.6 <u>Health Education</u>						
Consultants' fees .....				800	1 600	9 600
<u>Travel</u>						
Consultants .....				800	1 800	10 800
Total				1 600	3 400	20 400
4.8.7 <u>Maternal and Child Health</u>						
Consultants' fees .....					4 800	
<u>Travel</u>						
Duty .....					9 000	
Consultants .....					5 400	
Total					19 200	
4.8.8 <u>Human Reproduction</u>						
Consultants' fees .....				6 400	6 400	6 400
<u>Travel</u>						
Duty .....				4 000	4 000	5 000
Consultants .....				7 200	7 200	7 200
Total				17 600	17 600	18 600
4.9 HEALTH PROTECTION AND PROMOTION						
4.9.1 <u>Social and Occupational Health</u>						
Medical officer .....			1		11 660	
Secretary .....			1		4 306	
Total established posts			2		15 966	
Consultants' fees .....				1 600	2 400	
<u>Travel</u>						
Consultants .....				1 600	2 700	
Total				3 200	21 066	

## SPECIAL ACCOUNT FOR MEDICAL RESEARCH

	Number of posts			Estimated obligations		
	1965	1966	1967	1965 US\$	1966 US\$	1967 US\$
<u>Health Protection and Promotion (continued)</u>						
4.9.2 <u>Mental Health</u>						
Consultants' fees .....					4 800	4 800
<u>Travel</u>						
Duty .....				2 000	2 000	4 000
Consultants .....					5 400	5 400
Total				2 000	12 200	14 200
4.9.3 <u>Nutrition</u>						
Consultants' fees .....					4 800	
<u>Travel</u>						
Duty .....					3 000	
Consultants .....					5 400	
Total					13 200	
4.9.4 <u>Dental Health</u>						
Consultants' fees .....				800		
<u>Travel</u>						
Consultants .....				800		
Total				1 600		
4.9.5 <u>Cardiovascular Diseases</u>						
Consultants' fees .....				3 900	4 000	3 200
<u>Travel</u>						
Duty .....				2 000	3 000	3 000
Consultants .....				3 900	4 500	3 600
Total				9 800	11 500	9 800
4.9.6 <u>Cancer</u>						
Consultants' fees .....					3 200	2 400
<u>Travel</u>						
Duty .....				1 000	2 100	2 100
Consultants .....					3 600	2 700
Total				1 000	8 900	7 200
4.9.7 <u>Radiation and Isotopes</u>						
Consultants' fees .....					10 400	10 400
<u>Travel</u>						
Duty .....					500	500
Consultants .....					11 700	11 700
Total					22 600	22 600
4.9.8 <u>Human Genetics</u>						
Consultants' fees .....					4 800	4 800
<u>Travel</u>						
Duty .....					500	2 000
Consultants .....					5 400	5 400
Total					10 700	12 200

	Number of posts			Estimated obligations		
	1965	1966	1967	1965	1966	1967
<u>Health Protection and Promotion</u> (continued)				US\$	US\$	US\$
4.9.9 <u>Gerontology and Chronic Non-Communicable Diseases</u>						
Consultants' fees .....						2 400
<u>Travel</u>						
Consultants .....						2 700
Total						5 100
4.10 ENVIRONMENTAL HEALTH						
4.10.1 <u>Wastes Disposal</u>						
Consultants' fees .....						800
<u>Travel</u>						
Duty .....						1 000
Consultants .....						900
Total						2 700
4.10.2 <u>Environmental Pollution</u>						
Scientist .....		1				8 930
Epidemiologist .....	1					
Technical assistant .....		1				4 800
Secretary .....	1	1				4 143
Total established posts	2	3		8 230		17 873
Consultants' fees .....				800	2 400	1 600
<u>Travel</u>						
Duty .....				3 000		2 000
Consultants .....				800	2 700	1 800
Total				12 830	5 100	23 273
4.10.4 <u>Environmental Biology</u>						
Biologist .....		1				8 930
Technical assistant .....	1	1		4 800		5 000
Clerk-stenographer .....		1				4 143
Total established posts	1	3			4 800	18 073
<u>Travel</u>						
Duty .....						1 000
Total					4 800	19 073
4.10.5 <u>Community Water Supply</u>						
Scientist .....		1				8 930
Technical assistant .....		1				4 800
Clerk-stenographer .....		1				4 143
Total established posts		3				17 873
Consultants' fees .....						1 600
<u>Travel</u>						
Duty .....						3 000
Consultants .....						1 800
Total						24 273

## SPECIAL ACCOUNT FOR MEDICAL RESEARCH

	Number of posts			Estimated obligations		
	1965	1966	1967	1965	1966	1967
				US\$	US\$	US\$
<b>4.13 VECTOR CONTROL*</b>						
Scientist .....	P4	1				
Biologist .....	P4	1				
Toxicologist .....	P4		1 1		8 930	9 180
Technical assistant .....	P1		1 1		4 800	5 000
Technical assistant .....	G6	1				
Administrative assistant .....	G6	1				
Clerk-stenographers .....	G3	3	1 1		3 961	4 281
Total established posts		7	3 3	42 500	17 691	18 461
Consultants' fees .....				19 200	9 600	9 600
<u>Travel</u>						
Duty .....				4 700	6 500	6 500
Consultants .....				19 200	10 800	10 800
Total				85 600	44 591	45 361
<b>4.20 OTHER STATUTORY STAFF COSTS</b>						
Other statutory staff costs .....				53 970	31 020	56 755
				53 970	31 020	56 755
<b>4.22 OTHER COSTS</b>						
(a) <u>Meetings of Scientific Groups</u>						
Clinical and pharmacological evaluation of drugs .....				9 400		
Hydatidosis .....					7 600	
Human virus vaccines* .....				12 000		
Arthropod-borne viruses .....					10 000	
Respiratory viruses .....					10 000	
Bilharziasis* .....				10 200		
Amoebiasis .....					10 000	10 000
Anaerobic infections .....					8 400	
Screening methods in public health .....						13 200
Hospital frequentation and distribution of in-patients ....						10 000
Antibiotics .....						10 000
Studies in health education .....					10 800	
Paediatric research .....					10 800	
Biochemistry and microbiology of the female and male genital tracts .....				11 800		
Immunological aspects of human reproduction .....				14 000		
Chemistry and physiology of gametes .....				12 000		
Clinical aspects of oral gestogens .....				14 000	14 000	14 000
Intra-uterine devices .....					14 000	14 000
Fertility control substances, with special reference to plants .....						14 000
Dental health .....				8 600		
Oesophageal tumours .....					8 400	
Testing of histopathological classifications .....						9 200
Epidemiology of lung tumours .....						9 200
Histopathological nomenclature of salivary gland tumours ..						10 000
Histopathological nomenclature of thyroid gland tumours ...						10 000
Genetic biochemical defects .....					9 200	
Methodology of studies in human population genetics .....					9 200	
Treatment of sewage and industrial wastes .....					8 400	
Methods for studying environmental epidemiology .....						10 800
Laboratory and epidemiological research in environmental pollution control .....						10 800
Identification and measurement of air pollutants .....				10 200		
Air quality criteria .....					8 400	
Public health aspects of housing .....						10 000
Environmental factors influencing the survival of infective stages of human parasites and pathogens in water, wastes and soils .....					9 200	

\* Financed totally or in part from grants received from the National Institutes of Health (United States of America).

	Number of posts			Estimated obligations		
	1965	1966	1967	1965	1966	1967
				US\$	US\$	US\$
<u>Other Costs</u> (continued)						
<u>Meetings of Scientific Groups</u> (continued)						
Water supply and treatment .....					9 200	
Public health aspects of the use of novel and unconventional materials in the field of water supply ...					9 200	
Cytogenetics of vectors* .....						10 000
Ecology of vectors* .....					7 600	
Standard strains of insects of public health importance* ..				5 300		
Educational research .....					9 200	
				<u>107 500</u>	<u>183 600</u>	<u>165 200</u>
Sub-total						
 (b) <u>Other Meetings</u>						
Testing of therapeutic safety of drugs .....					9 200	
Comparative cardiology .....					6 200	
Comparative rheumatology (meeting of research workers) ....						9 200
Animal virus classification* .....					7 600	10 000
Cholera vaccines (meeting of laboratory workers) .....				1 000		
Radiological diagnostic criteria and techniques for degenerative and other diseases of the joint .....					9 200	
Social and environmental factors influencing the course and outcome of psychiatric illness .....					5 400	
Surveys of defined populations to ascertain psychiatric morbidity and the distribution of particular mental diseases .....					5 400	
Cross-cultural studies of mental disorders (meeting of investigators) .....					8 400	11 600
Cost and sources of financing of health services ( <u>ad hoc</u> inter-agency working party) .....				1 100		
Different organizational patterns for the provision of personal health care (meeting of investigators) .....				5 000		
Genetics of abnormalities and human reproduction (meeting of investigators) .....					10 000	
Meeting of advisers on cardiomyopathies .....				10 000		
Combined epidemiological and pathological studies of atherosclerosis .....				7 000		
Mental stress and ischaemic heart diseases .....					11 600	
Cerebrovascular accidents .....					11 600	
Circulatory problems at high altitudes .....					11 600	
Epidemiology of chronic cor pulmonale .....						10 000
Urbanization and the pattern of cardiovascular diseases ...						10 000
Genetic factors in cardiovascular diseases .....						10 000
Epidemiological methodology (meeting of investigators) ....				10 000		
Histopathology of salivary gland tumours .....				5 000		
Bladder tumours (meeting of investigators) .....						9 200
Radiobiology (meeting of investigators) .....					9 200	10 000
Human genetics (meeting of investigators) .....					9 200	
Mutagenesis and its public health consequences .....					11 000	
Comparative studies of genetic conditions .....						10 000
Air pollution research (meeting of directors of laboratories) .....						18 200
Water pollution research (meeting of directors of laboratories) .....						18 200
Public health aspects of water supply (meeting of directors of laboratories) .....						15 800
<u>Aedes aegypti</u> : ecology, biology and control* .....				26 200		
Simuliidae: ecology, biology and control .....					18 800	
Diagnosis and study of pathogens and parasites of disease vectors (meeting of directors of laboratories) .....					9 200	
Evaluation and testing of new insecticides (meeting of directors of laboratories)* .....					9 200	10 000
Oriental rat flea: ecology, biology and control* .....						20 000
				<u>65 300</u>	<u>162 800</u>	<u>172 200</u>
Sub-total						
TOTAL						
				<u>172 800</u>	<u>346 400</u>	<u>337 400</u>
				=====	=====	=====

\* Financed totally or in part from grants received from the National Institutes of Health (United States of America).

	Number of posts			Estimated obligations		
	1965	1966	1967	1965	1966	1967
				US\$	US\$	US\$
<b>INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES: SUMMARY</b>						
Tuberculosis .....			3	10 000	30 000	103 203
Venereal diseases and treponematoses .....					32 000	32 000
Bacterial diseases .....				30 000	14 000	14 000
Parasitic diseases .....	6	18		6 000	183 256	349 142
Virus diseases .....				100 500	109 500	
Veterinary public health .....					35 000	35 000
Public health administration .....					7 000	20 000
Health education .....					2 500	
Dental health .....	2	2			50 414	33 891
Social and occupational health .....					5 000	
Chronic and degenerative diseases .....	4	4		5 000	98 190	84 560
Maternal and child health .....				71 650	150 500	171 500
Mental health .....					20 000	
Nutrition .....	1	3	3	29 519	62 036	56 093
Radiation and isotopes .....					20 000	20 000
Environmental health .....	7	4	7	158 140	121 626	203 333
Other activities .....				65 000	532 875	555 750
Total - INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES	8	19	37	475 809	1 473 897	1 678 472
	====	====	====	=====	=====	=====
<b>INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES: DETAILS</b>						
<b>INTER-REGIONAL ACTIVITIES</b>						
(For text, see page 482)						
	Project No.					
<b>TUBERCULOSIS</b>						
Research team on tuberculosis prevention .....	381		3			63 203
<b>PARASITIC DISEASES</b>						
Onchocerciasis research team .....	265	3	3		62 728	59 136
Filarial infections research team .....	266	3	3		52 528	48 936
Epidemiological team on parasitic diseases .....	382		5			85 968
Bilharziasis study team .....	383		3			54 742
Sero-immunology team .....	384		4			69 360
Training in medical mycology .....	385					31 000
			6	18		
					115 256	349 142
<b>DENTAL HEALTH</b>						
Team on the epidemiology of periodontal diseases .....	302		2	2		40 414
						23 891
<b>CHRONIC AND DEGENERATIVE DISEASES</b>						
Cancer advisory team, South America .....	304		4	4		80 190
						74 560
<b>NUTRITION</b>						
Investigation into hypovitaminosis A * .....	269		1		29 519	15 000
Study of methods of prevention of malnutrition in young children .....	305		3	3		48 093
			1	3	3	
					29 519	62 036
						48 093

\* Financed totally or in part from grants received from the National Institutes of Health (United States of America).



	Project No.	Number of posts			Estimated obligations		
		1965	1966	1967	1965	1966	1967
					US\$	US\$	US\$
<u>Inter-regional Activities</u> (continued)							
ENVIRONMENTAL HEALTH							
Insecticide testing unit, Lagos *	270	4			47 130		
Filaria research unit, Rangoon *	271	3	1	1	55 010	16 868	15 619
<u>Aedes aegypti</u> research unit *	306		3	3		54 758	50 889
Epidemiological team on atmospheric pollution	386			3			41 325
		7	4	7	102 140	71 626	107 833
<b>Total - INTER-REGIONAL ACTIVITIES</b>		8	19	37	131 659	369 522	666 722
		===	===	===	=====	=====	=====
<b>ASSISTANCE TO RESEARCH AND OTHER TECHNICAL SERVICES</b>							
(For text, see page 483)							
	Project No.						
TUBERCULOSIS							
Regional reference centres	TB 108					5 000	
Research on:							
- Interpretation of chest X-rays	TB 109					5 000	5 000
- Antituberculosis drugs	TB 110					5 000	5 000
- Sarcoidosis	TB 111					5 000	5 000
- Tuberculosis prevention	TB 112				10 000	10 000	
- Tuberculosis surveillance	TB 113						25 000
					10 000	30 000	40 000
VENEREAL DISEASES AND TREPONEMATOSES							
Research on:							
- Treponema immunology	VDT 103					2 000	2 000
- Electron microscopy of treponemes	VDT 104					3 000	3 000
- Fractionation of lipoidal and treponemal antigens and antibodies	VDT 108					5 000	5 000
- Irkintja	VDT 109					4 000	4 000
International <u>Neisseria</u> reference centre	VDT 110					5 000	5 000
Research on:							
- Cross-immunological features of <u>Neisseria</u>	VDT 111					5 000	5 000
- New antibiotics	VDT 112					1 000	1 000
- Influence of temperature and oxygen on treponemes	VDT 113					2 000	2 000
- Attenuation of treponemes by irradiation	VDT 114					5 000	5 000
						32 000	32 000
BACTERIAL DISEASES							
Research on:							
- Cholera	BD 102				30 000		
- Streptococcal infections	BD 105					5 000	5 000
- Bacterial hospital infections	BD 106					5 000	5 000
International centre for pathogenic anaerobes	BD 107					4 000	4 000
					30 000	14 000	14 000

\* Financed totally or in part from grants received from the National Institutes of Health (United States of America).

## SPECIAL ACCOUNT FOR MEDICAL RESEARCH

	Project No.	Estimated obligations		
		1965	1966	1967
		US\$	US\$	US\$
<u>Assistance to Research and Other Technical Services (continued)</u>				
PARASITIC DISEASES				
Research on:				
- Trypanosomiasis .....	PD 101	6 000		
- Immunology of helminthiases .....	PD 103		5 000	
- Chemotherapy of helminthiases .....	PD 104		10 000	
- Filariasis .....	PD 105		15 000	
- Onchocerciasis .....	PD 107		10 000	
- Bilharziasis .....	PD 111		5 000	
- Leishmaniasis .....	PD 112		8 000	
- Mycoses .....	PD 113		10 000	
- Amoebiasis .....	PD 114		5 000	
		6 000	68 000	
VIRUS DISEASES				
Trachoma studies .....	VIR 103	5 000		
International and regional reference centres for arthropod- borne viruses* .....	VIR 104	2 000	2 000	
Studies of tropical virus infections .....	VIR 105	6 000		
International and regional reference centres for enteroviruses* .....	VIR 109	6 000	6 000	
International and regional reference centres for respiratory viruses other than influenza* .....	VIR 111	11 500	11 500	
Standardization of viral reagents* .....	VIR 113	40 000	40 000	
Supply of reagents for the diagnosis of rickettsial and virus diseases (including influenza)* .....	VIR 114	10 000	10 000	
Research on:				
- Viral chemotherapy .....	VIR 121		10 000	
- Viruses affecting tropical populations .....	VIR 122		10 000	
- Virus vaccines* .....	VIR 123	20 000	20 000	
		100 500	109 500	
VETERINARY PUBLIC HEALTH				
Research on:				
- Rabies ecology .....	VPH 103		10 000	10 000
- Brucellosis .....	VPH 104		10 000	10 000
- Atherosclerosis and cardiomyopathies .....	VPH 105		5 000	5 000
- Bladder cancers .....	VPH 106		5 000	5 000
- Leptospirosis .....	VPH 107		5 000	5 000
			35 000	35 000
PUBLIC HEALTH ADMINISTRATION				
Research on:				
- Rural-urban migration .....	PHA 101			10 000
- Ambulatory care facilities .....	OMC 103			10 000
- Health laboratory services .....	HLS 101		7 000	
			7 000	20 000
HEALTH EDUCATION				
Review of literature on research in health education .....	HE 101		2 500	
DENTAL HEALTH				
Research on epidemiology of dental diseases .....	DH 101		10 000	10 000
SOCIAL AND OCCUPATIONAL HEALTH				
Study of the effects of vibration on health .....	SOH 102		5 000	

\* Financed totally or in part from grants received from the National Institutes of Health (United States of America).

	Project No.	Estimated obligations		
		1965	1966	1967
		US\$	US\$	US\$
<u>Assistance to Research and Other Technical Services (continued)</u>				
<b>CHRONIC AND DEGENERATIVE DISEASES</b>				
Research on methodology of histopathological classifications - International reference centre for epidemiology and pathology of chorio-epithelioma .....	CAN 104		10 000	10 000
International reference centre for epidemiology and pathology of cancer of the penis .....	CAN 105		4 000	
Studies on lymphomas in Africa and other areas .....	CAN 106 CAN 107	5 000	4 000	
		<u>5 000</u>	<u>18 000</u>	<u>10 000</u>
<b>MATERNAL AND CHILD HEALTH</b>				
Collection of human pituitary glands for research purposes ...	HR 106	15 500	15 500	15 500
Collation of information on laboratory animals for research on reproduction .....	HR 107	15 000	15 000	16 000
Exchange of scientific workers .....	HR 108	25 000	25 000	25 000
Research on:				
- Fertility control .....	HR 112	1 000		
- Ovulation time in the human .....	HR 113		30 000	30 000
- Plants affecting fertility .....	HR 114		20 000	30 000
- Effects of metals and other substances on human reproduction	HR 115		20 000	30 000
Documentation of research scientists in human reproduction ...	HR 116	15 000		
Documentation centre for biomedical literature .....	HR 117	150	25 000	25 000
		<u>71 650</u>	<u>150 500</u>	<u>171 500</u>
<b>MENTAL HEALTH</b>				
Operational and epidemiological research in mental health ....	MH 103		20 000	
<b>NUTRITION</b>				
Research on nutritional status and the toxicity of food addi- tives .....	NUTR 106			8 000
<b>RADIATION AND ISOTOPES</b>				
Research on late effects of radiation and effects of chronic low-level irradiation .....	RI 102		20 000	20 000
<b>ENVIRONMENTAL HEALTH</b>				
Research on:				
- Enteric viruses in surface water .....	EP 102		5 000	
- Chronic toxicity of motor fuel additives .....	EP 104		3 000	
- Personal air monitoring apparatus .....	EP 105			10 000
- Survey methods for the evaluation of air pollution .....	EP 106			7 500
Reference centre on air pollution effects .....	EP 107			7 000
Research on:				
- Soil and inorganic chemical pollutants .....	EP 108			6 000
- Biological methods for monitoring raw water quality .....	EBL 101		3 000	
- Test organisms for bio-assay of microchemical contaminants .	EBL 102		3 000	3 000
Supply of collecting kits for aquatic organisms .....	EBL 103			5 000
Research on:				
- Ecological methods for monitoring atmospheric pollution ....	EBL 104			2 000
- Environmental control of human pathogens and parasites .....	EBL 105			3 000
- Basic physiological considerations in housing .....	SSH 101		4 000	4 000
- Microclimates and the planning of buildings .....	SSH 102		4 000	4 000
Reference centre on community water supply .....	CWS 101			5 000
Research on:				
- Use of desalinated water for community supplies .....	CWS 102		4 000	4 000
- Public health aspects of water re-use .....	CWS 103		4 000	4 000

## SPECIAL ACCOUNT FOR MEDICAL RESEARCH

	Project No.	Estimated obligations		
		1965	1966	1967
		US\$	US\$	US\$
<u>Assistance to Research and Other Technical Services</u> (continued)				
<u>Environmental Health</u> (continued)				
<u>Vector Control</u>				
Supply of:				
- Standard strains of resistant and susceptible insects *	VC 101	20 000	5 000	5 000
- Radioactive insecticides *	VC 102	10 000	5 000	5 000
- Reference materials, pure chemicals and special compounds *	VC 103	20 000	5 000	5 000
- Equipment and chemicals *	VC 104	6 000	5 000	5 000
Research on:				
- Chemistry and formulation of pesticides	VC 105			5 000
- Toxicity of pesticides to man	VC 106			6 000
		<hr/>	<hr/>	<hr/>
		56 000	50 000	95 500
OTHER ACTIVITIES				
International reference centre for immunoglobulins *	IM 106	15 000	12 875	25 750
Immunology research and training centres in developing countries	IM 107		50 000	100 000
Research on:				
- Genetics of special groups	HG 101		20 000	15 000
- Clinical genetics	HG 102			15 000
Serum reference banks and immunological surveys *	GES 101	50 000	50 000	
Exchange of research workers	RPC 101		50 000	50 000
Research training	RPC 102		250 000	250 000
Research by individual investigators	RPC 103		100 000	100 000
		<hr/>	<hr/>	<hr/>
		65 000	532 875	555 750
Total - ASSISTANCE TO RESEARCH AND OTHER TECHNICAL SERVICES				
		<hr/>	<hr/>	<hr/>
		344 150	1 104 375	1 011 750
		<hr/>	<hr/>	<hr/>
OTHER STATUTORY STAFF COSTS: DETAILS				
PROGRAMME ACTIVITIES				
<u>Headquarters</u>				
Terminal payments		4 250	2 456	4 685
Pension fund		15 220	2 758	5 562
Staff insurance		1 410	701	1 356
Other allowances		17 950	14 505	26 352
Travel on initial recruitment and repatriation		5 000	3 800	6 700
Installation per diem		4 500	3 200	5 700
Travel on home leave		640		
Transportation of personal effects		5 000	3 600	6 400
		<hr/>	<hr/>	<hr/>
Total - Headquarters		53 970	31 020	56 755
<u>Field</u>				
Terminal payments		2 065	6 723	15 868
Pension fund		6 567	9 126	18 834
Staff insurance		695	1 921	3 962
Other allowances		22 700	50 272	103 104
Travel on initial recruitment and repatriation		1 700	14 400	15 400
Installation per diem		700	11 200	12 100
Travel on home leave		3 700		
Transportation of personal effects		600		1 800
		<hr/>	<hr/>	<hr/>
Total - Field		38 727	93 642	171 068
Total - PROGRAMME ACTIVITIES				
		<hr/>	<hr/>	<hr/>
		92 697	124 662	227 823
		<hr/>	<hr/>	<hr/>

\* Financed totally or in part from grants received from the National Institutes of Health (United States of America).

PART II: SPECIAL ACCOUNT FOR COMMUNITY WATER SUPPLY <sup>1</sup>

(See following table)

The following activities will be implemented to the extent that funds become available under this special account:

## HEADQUARTERS

## Community Water Supply

*Consultants:* to collect and summarize data on national and local rural water supply programmes (two months).

*Duty travel:* for co-ordination of the programme; and attendance at international meetings relating to water supply (\$5000).

## AFRICA

## 1. Country Programmes

## (a) Kenya Kenya 26

To assist in preparing preliminary engineering and feasibility reports for water supply and sewerage projects. The services of a firm of consultant engineers (\$50 000).

## (b) Madagascar Madagascar 9

To follow up the recommendations of a consultant team that preliminary engineering reports should be prepared for the provision of water supplies to a number of communities. The services of a firm of consultant engineers (\$40 000).

## (c) Nigeria Nigeria 31

To assist in preparing preliminary engineering and feasibility reports for community water supply projects. The services of a firm of consultant engineers (\$50 000).

## 2. Inter-country Programmes

## (a) Courses AFRO 124

To continue short regional courses on the planning, management and financing of water supply systems, in two engineering schools in Africa — one for French-speaking and the other for English-speaking engineers. Short-term teaching staff (\$16 000); fellowships for participants (\$16 000); supplies and equipment (\$4000).

## (b) Fellowships AFRO 200

To enable senior engineers from selected countries to specialize in the planning, design and operation of water supply systems. Four twelve-month fellowships (\$20 000).

## SOUTH-EAST ASIA

## 1. Country Programmes

## (a) Afghanistan Afghanistan 53

To assist the Government in developing its water supply programme in urban and rural areas and to co-ordinate work in the field of water supplies. A consultant for nine months (\$15 300).

## (b) Burma Burma 72

To provide consultant services on the development of community water supply. Two consultants for three months each (\$10 200).

## (c) Ceylon Ceylon 68

To provide consultant services on the development of piped water supplies for major towns and other areas. A consultant for three months (\$5100); supplies and equipment (\$100).

## (d) India India 209

To advise on the feasibility and the financial and managerial aspects of water supply and drainage schemes. In 1964 WHO assisted with a government-sponsored seminar on the financing and management of water and sewage works and, subsequently, in a feasibility study of various urban water supply schemes. Three consultants for nine months each (\$45 900); two six-month fellowships (\$10 000); supplies and equipment (\$100).

## (e) Nepal Nepal 14

To supplement the provision under the regular budget. Fellowships (\$11 000).

## 2. Inter-country Programmes

## (a) Advisory Services SEARO 66

To assist countries of the Region in the managerial, financial and design aspects of community water supply programmes. Consultants (\$25 500); supplies and equipment (\$100).

## (b) Seminar on Methodology of Development of Piped Water Supply SEARO 100

To promote the installation of piped water supplies and study the administration of water supply undertakings. Consultants (\$8500); attendance of twenty participants (\$8000).

## EUROPE

## 1. Country Programmes

To make a study of specific aspects of the community water supply programme:

(a) Algeria Algeria 10  
Consultants (\$6800).(b) Greece Greece 34  
Consultants (\$5100).(c) Malta Malta 12  
Consultants (\$6800).(d) Morocco Morocco 30  
Consultants (\$5100).

<sup>1</sup> Projects to be financed from the PAHO Community Water Supply Fund are shown in Annex 2, along with the other projects for the Americas.

**2. Inter-country Programmes****(a) Course** EURO 238

To train administrative and technical personnel engaged in the development and promotion of community water supply schemes. Attendance of participants (\$7000).

**(b) Fellowships** EURO 267

To train selected persons for key posts in water supply programmes. Fellowships (\$5200).

**EASTERN MEDITERRANEAN****1. Country Programmes**

To provide the Government with advice and assistance in the field of community water supply, as follows:

**(a) Pakistan** Pakistan 65

Three consultants for two months each (\$10 200); supplies and equipment (\$1000).

**(b) Sudan** Sudan 45

Three consultants for two months each (\$10 200); supplies and equipment (\$1000).

**2. Inter-country Programmes****Courses** EMRO 97

To train sub-professional personnel in the efficient operation of community water supplies. Short-term teaching staff (\$33 000); supplies and equipment (\$3000).

**WESTERN PACIFIC****Inter-country Programmes****(a) Courses** WPRO 86

To train sub-professional personnel in the efficient operation of community water supplies. Consultants (\$3400); attendance of participants (\$29 600); supplies and equipment (\$3000).

**(b) Seminar on Small Water-Treatment Works** WPRO 142

To exchange information on the design and operation of small inexpensive water-treatment works — a seminar bringing

together nineteen participants from twelve countries of the Region. Consultants (\$6800); attendance of participants (\$12 370); duty travel (\$5830); supplies and equipment (\$500).

**INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES****Inter-regional Activities****(a) International Development and Training Programme** Inter-regional 184

A programme that includes investigations into the most economical use of construction materials, design criteria, construction methods, and the most efficient use of technical and manpower resources; it also includes training facilities and provision for the dissemination of data. Consultants (\$49 300); participation in training courses (\$19 000); supplies and equipment (\$31 700).

**(b) Assistance to Collaborating Technical Institutions** Inter-regional 264

To assist technical institutions in developing economic and practical methods for the construction of community water supplies adapted to the needs of the developing countries, and in preparing educational and promotional material. Consultants (\$27 200).

**(c) Patterns of National Water Supply and Sewerage Organizations** Inter-regional 405

To prepare a study on existing national water and sewerage authorities, boards and commissions in countries at various stages of development, and having different social, economic, physical and cultural backgrounds, which can be used for the information and guidance of governments that are contemplating the setting up of such an organization, or the revision of their existing systems. Cost of study (\$4000).

**(d) Seminar on Water Supply Management** Inter-regional 406

A ten-day seminar on the management of water supply undertakings, covering such aspects as operating finance, collection of revenue, office administration, purchasing procedures, personnel relations and related problems. Sixteen participants holding managerial posts in developing countries will attend. Consultants and lecturers (\$5200); attendance of participants (\$19 000); supporting services (\$5800).

	Number of posts			Estimated obligations		
	1965	1966	1967	1965	1966	1967
				US\$	US\$	US\$
<b>SPECIAL ACCOUNT FOR COMMUNITY WATER SUPPLY: ESTIMATED OBLIGATIONS</b>						
<b>OPERATING PROGRAMME: SUMMARY</b>						
<b>HEADQUARTERS</b>						
<u>Environmental Health</u>						
Community water supply .....					15 200	8 400
Total - HEADQUARTERS					15 200	8 400
<b>FIELD</b>						
Africa .....				31 100	140 000	196 000
South-East Asia .....				12 800	157 700	139 800
Europe .....	3			31 400	37 700	36 000
Eastern Mediterranean .....				16 300	40 100	58 400
Western Pacific .....		1		25 600	58 253	61 500
Inter-regional and Other Programme Activities .....				5 200	127 200	161 200
Total - FIELD	3	1		122 400	560 953	652 900
Total	3	1		122 400	576 153	661 300
<u>Less: Delays in filling new posts .....</u>					4 384	
Net total - OPERATING PROGRAMME	3	1		122 400	571 769	661 300
<b>OPERATING PROGRAMME: DETAILS</b>						
<u>HEADQUARTERS</u>						
ENVIRONMENTAL HEALTH						
<u>Community Water Supply</u>						
Consultants' fees .....					4 800	1 600
<u>Travel</u>						
Duty .....					5 000	5 000
Consultants .....					5 400	1 800
Total - HEADQUARTERS					15 200	8 400
					15 200	8 400

## SPECIAL ACCOUNT FOR COMMUNITY WATER SUPPLY

	Project No.	Number of posts			Estimated obligations		
		1965	1966	1967	1965	1966	1967
					US\$	US\$	US\$
<u>FIELD</u>							
AFRICA							
<u>Country Programmes</u>							
Burundi .....	2				3 500		
Ivory Coast .....	23				22 000	22 000	
Kenya .....	26						50 000
Madagascar .....	9						40 000
Mali .....	30					30 000	
Nigeria .....	31					32 000	50 000
Senegal .....	22				5 600		
<u>Inter-country Programmes</u>							
		AFRO					
Courses .....	124					36 000	36 000
Fellowships .....	200					20 000	20 000
Total - AFRICA					31 100	140 000	196 000
SOUTH-EAST ASIA							
<u>Country Programmes</u>							
Afghanistan .....	53					15 300	15 300
Burma .....	72					39 100	10 200
Ceylon .....	68					5 200	5 200
India .....	209				12 800	56 000	56 000
Nepal .....	14						11 000
<u>Inter-country Programmes</u>							
		SEARO					
Advisory services .....	66					25 600	25 600
Seminar on methodology of development of piped water supply .....	100					16 500	16 500
Total - SOUTH-EAST ASIA					12 800	157 700	139 800
EUROPE							
<u>Country Programmes</u>							
Algeria .....	10	1			13 400	6 800	6 800
Greece .....	34					5 100	5 100
Malta .....	12					6 800	6 800
Morocco .....	30					6 800	5 100
Turkey .....	44	2			18 000		
<u>Inter-country Programmes</u>							
		EURO					
Course .....	238					7 000	7 000
Fellowships .....	267					5 200	5 200
Total - EUROPE					31 400	37 700	36 000
EASTERN MEDITERRANEAN							
<u>Country Programmes</u>							
Cyprus .....	16					21 400	
Ethiopia .....	32				16 300		
Pakistan .....	65						11 200
Saudi Arabia .....	33					18 700	
Sudan .....	45						11 200
<u>Inter-country Programmes</u>							
		EMRO					
Courses .....	97						36 000
Total - EASTERN MEDITERRANEAN					16 300	40 100	58 400



	Project No.	Number of posts			Estimated obligations		
		1965	1966	1967	1965	1966	1967
					US\$	US\$	US\$
<u>Field (continued)</u>							
WESTERN PACIFIC							
<u>Country Programmes</u>							
British Solomon Islands Protectorate .....	8					5 100	
Malaysia:					10 400		
- Malaya .....	39				8 700	24 653	
- Sabah .....	56	1				5 100	
New Hebrides .....	6						
Philippines .....	43				6 500		
<u>Inter-country Programmes</u> WPRO							
Courses .....	86						36 000
Training course for well-drillers .....	133					23 400	
Seminar on small water-treatment works .....	142						25 500
Total - WESTERN PACIFIC		1			25 600	58 253	61 500
INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES							
<u>Inter-regional Activities</u>							
Meeting of regional advisers in environmental health .....	155				5 200		
International development and training programme ...	184					100 000	100 000
Assistance to collaborating technical institutions .	264					27 200	27 200
Patterns of national water supply and sewerage organizations .....	405						4 000
Seminar on water supply management .....	406						30 000
Total - INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES					5 200	127 200	161 200
<u>OTHER STATUTORY STAFF COSTS</u>							
<u>Field</u>							
Terminal payments .....						399	
Pension fund .....					2 551	542	
Staff insurance .....					183	114	
Other allowances .....					6 203	3 168	
Travel on initial recruitment and repatriation .....						1 800	
Installation per diem .....						700	
Travel on home leave .....					2 760		
Total - Field					15 197	6 723	
Total - OTHER STATUTORY STAFF COSTS					15 197	6 723	

## PART III: MALARIA ERADICATION SPECIAL ACCOUNT

(See following table)

The following activities will be implemented to the extent that funds become available under this special account:

## AFRICA

## 1. Country Programmes

## (a) Cameroon

*Pre-eradication Programme* Cameroon 2

To supplement the provision under the regular budget and EPTA-I. Part payment of local salaries (\$3000); supplies and equipment (\$8000).

## (b) Comoro Archipelago

*Pre-eradication Programme* Comoro Archipelago 7

To supplement the provision under the regular budget. Supplies and equipment (\$5000).

## (c) Congo (Brazzaville)

*Pre-eradication Programme* Congo (Brazzaville) 15

To supplement the provision under the regular budget. Supplies and equipment (\$4000).

## (d) Dahomey

*Pre-eradication Programme* Dahomey 1

To supplement the provision under the regular budget. Supplies and equipment (\$3000).

## (e) Gabon

*Pre-eradication Programme* Gabon 14

To supplement the provision under the regular budget. Supplies and equipment (\$6400).

## (f) Ghana

*Pre-eradication Programme* Ghana 1

To supplement the provision under the regular budget and EPTA-I. Part payment of local salaries (\$2800); supplies and equipment (\$35 000).

## (g) Guinea

*Pre-eradication Programme* Guinea 14

To supplement the provision under the regular budget. Supplies and equipment (\$4000).

## (h) Ivory Coast

*Pre-eradication Programme* Ivory Coast 15

To develop a network of basic health services on which a malaria eradication programme for the whole of the Ivory Coast can be built; to train personnel to form the nucleus of a national malaria service; to undertake a general survey of malaria epidemiology; and to develop facilities for improving the diagnosis of malaria and increasing the availability of anti-malaria drugs. A malariologist, a public health adviser and a laboratory technician (\$48 299); supplies and equipment (\$6000).

## (i) Liberia

*Pre-eradication Programme* Liberia 20

To supplement the provision under the regular budget. Part payment of local salaries (\$2000); supplies and equipment (\$7000).

## (j) Madagascar

*Pre-eradication Programme* Madagascar 8

To supplement the provision under the regular budget. Supplies and equipment (\$1500).

## (k) Mauritania

*Pre-eradication Programme* Mauritania 9

To supplement the provision under the regular budget. Part payment of local salaries (\$1500); supplies and equipment (\$4500).

## (l) Nigeria

(i) *Pre-eradication Programme, Western Nigeria* Nigeria 26

To supplement the provision under the regular budget. Part payment of local salaries (\$3000); supplies and equipment (\$14 000).

(ii) *Pre-eradication Programme, Northern Nigeria* Nigeria 32

To supplement the provision under the regular budget. Part payment of local salaries (\$6800); supplies and equipment (\$13 500).

(iii) *Pre-eradication Programme, Eastern Nigeria* Nigeria 37

To supplement the provision under the regular budget. Part payment of local salaries (\$3000); supplies and equipment (\$18 500).

(iv) *Eradication Pilot Project, Northern Nigeria* Nigeria 61

To investigate methods for interrupting the transmission of malaria under Sudanese savannah conditions. A malariologist, a laboratory technician and a sanitarian (\$34 184); part payment of local salaries (\$3000); supplies and equipment (\$197 000).

## (m) Portugal

*Pre-eradication Programme, Mozambique* Mozambique 1

To supplement the provision under the regular budget. Supplies and equipment (\$5000).

## (n) Réunion

*Pre-eradication Survey* Réunion 7

To supplement the provision under the regular budget. Supplies and equipment (\$2000).

(o) *Senegal*  
*Pre-eradication Programme* Senegal 13  
 To supplement the provision under the regular budget. Part payment of local salaries (\$2000); supplies and equipment (\$13 000).

(p) *Sierra Leone*  
*Pre-eradication Programme* Sierra Leone 19  
 To supplement the provision under the regular budget. Part payment of local salaries (\$1500); supplies and equipment (\$10 000).

(q) *Southern Rhodesia*  
*Pre-eradication Programme* Southern Rhodesia 5  
 To supplement the provision under the regular budget. Part payment of local salaries (\$5000); supplies and equipment (\$5000).

(r) *Spanish Guinea*  
*Pre-eradication Programme* Spanish Guinea 1  
 To supplement the provision under the regular budget. Part payment of local salaries (\$2000); supplies and equipment (\$5500).

(s) *Togo*  
*Pre-eradication Programme* Togo 3  
 To supplement the provision under the regular budget and EPTA-I. Part payment of local salaries (\$2000); supplies and equipment (\$50 000).

(t) *Uganda*  
*Pre-eradication Programme* Uganda 12  
 To supplement the provision under the regular budget. Part payment of local salaries (\$3000); supplies and equipment (\$14 000).

(u) *United Republic of Tanzania*  
*Eradiation Programme, Zanzibar* Tanzania 4  
 To supplement the provision under the regular budget and EPTA-I. Supplies and equipment (\$5000).

(v) *Zambia*  
*Pre-eradication Programme* Zambia 2  
 To supplement the provision under the regular budget. Part payment of local salaries (\$3000); supplies and equipment (\$7400).

## 2. Inter-country Programmes

(a) *Advisory Services* AFRO 48  
 To supplement the provision under the regular budget. A short-term consultant (\$3000).

(b) *Malaria Eradication Training Centre (English language), Lagos* AFRO 105  
 To supplement the provision under the regular budget. Supplies and equipment (\$13 200); fellowships (\$39 000).

(c) *Malaria Eradication Training Centre (French language), Lomé* AFRO 128  
 To supplement the provision under the regular budget. Supplies and equipment (\$5000); fellowships (\$40 000).

(d) *Malaria Training of Public Health Personnel* AFRO 156  
 To supplement the provision under the regular budget. Fellowships (\$2000).

## THE AMERICAS

### 1. Country Programmes

(a) *Guatemala*  
*Eradiation Programme* Guatemala 0200  
 To supplement the provision under the Special Malaria Fund of PAHO. Two medical officers, a sanitary engineer and an entomologist (\$88 411).

(b) *Mexico*  
*Eradiation in Problem Areas* Mexico 0201  
 To supplement the provision under the Special Malaria Fund of PAHO. An increase of \$75 000 in the grant.

(c) *Panama*  
*Eradiation Programme* Panama 0200  
 To supplement the provision under the Special Malaria Fund of PAHO. A medical officer, a sanitary engineer, an entomologist, an administrative methods officer and a sanitarian (\$83 537).

### 2. Inter-country Programmes

(a) *Technical Advisory Services, Inter-zone* AMRO 0200  
 To supplement the provision under the Special Malaria Fund of PAHO. A parasitologist (\$19 676).

(b) *Technical Advisory Services, Zone III* AMRO 0203  
 To complement the services provided under the Special Malaria Fund to the countries of Zone III, where some of the most serious technical problems in malaria in the hemisphere occur. A zone malaria adviser, an administrative methods officer, a health educator, an epidemiologist, a sanitary engineer and a secretary (\$110 138); supplies and equipment (\$2000).

(c) *Insecticide Testing Teams* AMRO 0209  
 To test insecticides and larvicides for use in malaria eradication programmes. Three entomologists and an entomologist aide (\$60 121); consultants (\$10 200); supplies and equipment (\$15 600); common services (\$400); a grant for special studies (\$30 000).

(d) *Eradiation Epidemiology Teams* AMRO 0210  
 To carry out malariological studies in certain areas in order to find out why spraying operations have failed to interrupt transmission of malaria; and, where necessary, to assist in selecting and evaluating alternative eradication measures. An epidemiologist, a medical officer and an entomologist (\$47 525); supplies and equipment, \$2300; common services (\$300).

## SOUTH-EAST ASIA

### Country Programmes

(a) *India*  
*Eradiation Programme* India 153  
 To supplement the provision under the regular budget. Two three-month fellowships (\$4200).

(b) *Indonesia*(i) *Eradication Programme* Indonesia 32.01

To supplement the provision under the regular budget. A malariologist, two public health advisers, two entomologists, two sanitarians, two laboratory technicians, two draughtsmen, three clerk-typists and two store-clerks (\$119 615); supplies and equipment (\$500).

(ii) *Pre-eradication Programme, West Irian* Indonesia 32.02

To supplement the provision under the regular budget. A malariologist, a sanitary engineer (malaria), an entomologist, two sanitarians, a laboratory technician, a draughtsman, a typist-interpreter and a store-clerk (\$77 484); supplies and equipment (\$50).

(c) *Nepal**Eradication Programme* Nepal 1

To supplement the provision under the regular budget. A public health adviser and a draughtsman (\$15 996); supplies and equipment (\$100).

## EUROPE

1. *Country Programmes*(a) *Algeria**Pre-eradication Programme* Algeria 11.8

To supplement the provision under the regular budget. Supplies and equipment (\$30 000).

(b) *Morocco**Pre-eradication Programme* Morocco 28

To supplement the provision under the regular budget. Supplies and equipment (\$27 000).

(c) *Turkey**Eradication Programme* Turkey 23

To supplement the provision under the regular budget, particularly as regards the organization of seminars on surveillance and vigilance techniques for public health physicians and other health personnel who will be assigned to posts in provinces where malaria services are being integrated into the public health services. Attendance of participants (\$13 000).

2. *Inter-country Programmes**Participation in Seminars and Courses* EURO 320

To enable European malaria service officials to attend seminars and courses in epidemiology, entomology and administration in neighbouring regions as necessary, since, in view of the progress made in malaria eradication in Europe, the organization of inter-country seminars or courses in the Region is no longer justified. Attendance of participants (\$2400); fellowships (\$2400).

## EASTERN MEDITERRANEAN

1. *Country Programmes*(a) *Aden**Pre-eradication Programme* Aden 8

To supplement the provision under the regular budget. Supplies and equipment (\$5000); part payment of local costs (\$5000); fellowships (\$3000).

(b) *Ethiopia**Pre-eradication Programme* Ethiopia 14.03

To supplement the provision under the regular budget. Supplies and equipment (\$5000); part payment of local costs (\$10 000); fellowships (\$5000).

(c) *Iran**Eradication Programme* Iran 1

To supplement the provision under the regular budget. Fellowships (\$3000).

(d) *Iraq**Eradication Programme* Iraq 11

To supplement the provision under the regular budget. Fellowships (\$6000).

(e) *Pakistan**Eradication Programme* Pakistan 36

To supplement the provision under the regular budget. Supplies and equipment (\$11 000); fellowships (\$5000).

(f) *Somalia**Pre-eradication Programme* Somalia 2

To supplement the provision under the regular budget and EPTA-I. Supplies and equipment (\$25 000); part payment of local costs (\$15 000); fellowships (\$5000).

(g) *Sudan*(i) *Pre-eradication Programme* Sudan 6

To supplement the provision under the regular budget. Supplies and equipment (\$20 000); part payment of local costs (\$15 000); fellowships (\$5500).

(ii) *Eradication Training Centre* Sudan 32

To supplement the provision under the regular budget. Supplies and equipment (\$1000); fellowships (\$1500).

(h) *Syria**Eradication Programme* Syria 2

To supplement the provision under the regular budget and EPTA-I. Fellowships (\$2000).

(i) *United Arab Republic**Eradication Programme* United Arab Republic 23

To supplement the provision under the regular budget. Fellowships (\$5000).

## 2. Inter-country Programmes

*Eradication Evaluation Team* EMRO 58

To supplement the provision under the regular budget. Supplies and equipment (\$2000).

## WESTERN PACIFIC

## Country Programmes

(a) *British Solomon Islands Protectorate*  
*Pre-eradication Programme* British Solomon Islands  
Protectorate 2

To supplement the provision under the regular budget and EPTA-I. Supplies and equipment (\$100).

(b) *Brunei*  
*Pre-eradication Programme* Brunei 3

To supplement the provision under the regular budget. A malariologist and a sanitarian (\$24 227); a short-term consultant in entomology (\$1700).

(c) *Cambodia*  
*Pre-eradication Programme* Cambodia 1

To supplement the provision under the regular budget and EPTA-I. Twelve three-month fellowships (\$31 200); supplies and equipment (\$35 000).

(d) *Laos*  
*Pre-eradication Programme* Laos 5

To supplement the provision under the regular budget. A laboratory technician (\$15 000); fellowships (\$2000).

(e) *Malaysia*  
*Eradication Programme, Sabah* Malaysia 42

To supplement the provision under the regular budget and EPTA-I. A sanitarian (\$13 100); fellowships (\$1900).

(f) *Republic of Korea*  
*Pre-eradication Programme* Korea 13

To supplement the provision under the regular budget. Three three-month fellowships (\$3600); supplies and equipment (\$5000).

(g) *Viet-Nam*  
*Pre-eradication Programme* Viet-Nam 16

To supplement the provision under the regular budget. A sanitary engineer (\$16 000).

INTER-REGIONAL  
AND OTHER PROGRAMME ACTIVITIES

## Inter-regional Activities

(a) *Advisory Services* Inter-regional 70

To supplement the provision under the regular budget. Two entomologists (\$29 757).

(b) *Team for Field Research on Special Epidemiological Problems* Inter-regional 112

To supplement the provision under the regular budget. Three technicians (\$33 615); part payment of local salaries (\$5000); supplies and equipment (\$15 000).

(c) *Field Trials of New Insecticides and Antimalaria Drugs (Second Team)* Inter-regional 172

A second team, similar to that shown under the regular budget (Inter-regional 212) to carry out field trials of new insecticides and drugs that are of potential value in malaria eradication. A malariologist, an entomologist, a sanitarian and two laboratory technicians (\$75 320); consultants (\$10 200); part payment of local salaries (\$10 000); supplies and equipment (\$25 000).

(d) *Field Trials of New Attack Methods for Problem Areas* Inter-regional 353

To assist in implementing field trials of new measures and methods to interrupt transmission in problem areas, including the use of combinations of insecticides in areas where the main vector shows double resistance to the two main groups of chlorinated hydrocarbons. Consultants (\$27 200); part payment of local salaries (\$75 000); supplies and equipment (\$161 600).

(e) *Field Evaluation of Insecticides* Inter-regional 403

A research unit to carry out extended field evaluation of insecticides for use in malaria eradication programmes. Two entomologists, a sanitarian and two technicians (\$66 531); consultants (\$6800); supplies, equipment and operational costs (\$40 000).

(f) *Scientific Group on Research applied to Malaria Eradication* Inter-regional 404

To review the past and present malaria research programme of WHO, assess its practical achievements, and prepare recommendations for the future orientation of basic and applied research of importance to the global malaria eradication programme. The group would be composed of scientists directly concerned with malaria research and experienced in malaria eradication. Attendance of participants (\$12 000); supporting services (\$3200).

	Number of posts			Estimated obligations		
	1965	1966	1967	1965	1966	1967
				US\$	US\$	US\$
<b>MALARIA ERADICATION SPECIAL ACCOUNT: ESTIMATED OBLIGATIONS</b>						
<b>OPERATING PROGRAMME: SUMMARY</b>						
<b>FIELD</b>						
Africa .....	3	3	6	173 921	316 675	672 583
The Americas .....	30	27	23	682 453	687 634	545 208
South-East Asia .....		27	27	26 650	226 140	217 945
Europe .....				64 200	74 000	74 800
Eastern Mediterranean .....	1			244 200	206 000	155 000
Western Pacific .....			5		32 000	148 827
Inter-regional and Other Programme Activities .....	8	11	15	170 840	563 652	596 223
Total - FIELD	42	68	76	1 362 264	2 106 101	2 410 586
<u>Less:</u> Delays in filling new posts .....					82 388	64 728
Net total - <u>OPERATING PROGRAMME</u>	42	68	76	1 362 264	2 023 713	2 345 858
<b>OPERATING PROGRAMME: DETAILS</b>						
<u>FIELD</u>	Project No.					
<b>AFRICA</b>						
<u>Country Programmes</u>						
Cameroon .....	2			18 000	11 000	11 000
Comoro Archipelago .....	7					5 000
Congo (Brazzaville) .....	15			3 000	4 000	4 000
Dahomey .....	1			8 000	3 000	3 000
Gabon .....	14	3		30 121	4 000	6 400
Ghana .....	1				22 800	37 800
Guinea .....	14			4 000	4 000	4 000
Ivory Coast .....	15		3			54 299
Liberia .....	20			8 000	6 000	9 000
Madagascar .....	8			1 000	1 000	1 500
Mauritania .....	9			2 500	5 500	6 000
<u>Nigeria:</u>						
- Western Nigeria .....	26			8 000	13 000	17 000
- Northern Nigeria (Pre-eradication programme) .....	32			14 800	20 300	20 300
- Eastern Nigeria .....	37			9 000	21 000	21 500
- Northern Nigeria (Eradication pilot project) .....	61	3	3		54 575	234 184
Portugal - Mozambique .....	1			15 000	5 000	5 000
Réunion .....	7				8 000	2 000
Senegal .....	13			7 000	9 000	15 000
Sierra Leone .....	19			7 500	11 500	11 500
Southern Rhodesia .....	5			7 000	4 000	10 000
Spanish Guinea .....	1			10 000	7 000	7 500
Togo .....	3			11 000	12 000	52 000
Uganda .....	12			3 000	9 000	17 000
United Republic of Tanzania .....	4				5 000	5 000
Zambia .....	2					10 400
<u>Inter-country Programmes</u>						
Advisory services .....	48				3 000	3 000
Malaria eradication training centre						
- English language, Lagos .....	105			7 000	39 000	52 200
- French language, Lomé .....	128				32 000	45 000
Malaria training of public health personnel .....	156				2 000	2 000
Total - Inter-country Programmes				7 000	76 000	102 200
Total - AFRICA	3	3	6	173 921	316 675	672 583

	Project No.	Number of posts			Estimated obligations		
		1965	1966	1967	1965	1966	1967
					US\$	US\$	US\$
<u>Field (continued)</u>							
<u>THE AMERICAS</u>							
<u>Country Programmes</u>							
Costa Rica .....	0200	2	2		36 356	38 607	
Guatemala .....	0200	4	4	4	69 569	80 889	88 411
Honduras .....	0200	2	2		36 534	39 610	
Mexico .....	0201				150 000	150 000	75 000
Nicaragua .....	0200	4			69 979		
Panama .....	0200	4	5	5	66 075	84 415	83 537
<u>Inter-country Programmes</u> AMRO							
Technical advisory services - Inter-zone .....	0200	1	1	1	20 357	21 907	19 676
- Zone III .....	0203	6	6	6	82 905	109 557	112 138
Insecticide testing teams .....	0209	4	4	4	114 245	114 692	116 321
Eradication epidemiology teams .....	0210	3	3	3	30 948	47 957	50 125
Resistance of plasmodia strains to drugs .....	0212				5 485		
Total - Inter-country Programmes		14	14	14	253 940	294 113	298 260
Total - THE AMERICAS		30	27	23	682 453	687 634	545 208
<u>SOUTH-EAST ASIA</u>							
<u>Country Programmes</u>							
India .....	153						4 200
Indonesia - Eradication programme .....	32.01		16	16		126 623	120 115
- Pre-eradication programme, West Irian ..	32.02		9	9		82 206	77 534
Nepal .....	1		2	2	7 120	17 311	16 096
Thailand .....	65				19 530		
Total - SOUTH-EAST ASIA			27	27	26 650	226 140	217 945
<u>EUROPE</u>							
<u>Country Programmes</u>							
Algeria .....	11.8				32 800	34 000	30 000
Morocco .....	28				31 400	27 000	27 000
Turkey .....	23					13 000	13 000
<u>Inter-country Programmes</u> EURO							
Participation in seminars and courses .....	320						4 800
Total - Inter-country Programmes							4 800
Total - EUROPE					64 200	74 000	74 800
<u>EASTERN MEDITERRANEAN</u>							
<u>Country Programmes</u>							
Aden .....	8				8 000	15 000	13 000
Ethiopia .....	14.03				17 000	20 000	20 000
Iran .....	1				19 500	7 000	3 000
Iraq .....	11				6 000	6 000	6 000
Libya .....	9				5 000		
Pakistan .....	36				5 000	10 000	16 000
Saudi Arabia .....	4				24 000	24 000	
Somalia .....	2				40 000	40 000	45 000
Sudan - Pre-eradication programme .....	6				37 000	39 000	40 500
- Eradication training centre .....	32						2 500
Syria .....	2						2 000
Tunisia .....	17				2 000		
United Arab Republic .....	23				45 000	45 000	5 000
Yemen .....	4				14 000		

	Project No.	Number of posts			Estimated obligations		
		1965	1966	1967	1965	1966	1967
					US\$	US\$	US\$
<u>Field (continued)</u>							
<u>Eastern Mediterranean (continued)</u>							
<u>Inter-country Programmes</u> EMRO							
Eradication evaluation team .....	58	1			21 700		2 000
Total - Inter-country Programmes		1			21 700		2 000
Total - EASTERN MEDITERRANEAN		1			244 200	206 000	155 000
WESTERN PACIFIC							
<u>Country Programmes</u>							
British Solomon Islands Protectorate .....	2						100
Brunei .....	3		2				25 927
Cambodia .....	1					32 000	66 200
Laos .....	5		1				17 000
Malaysia .....	42		1				15 000
Republic of Korea .....	13						8 600
Viet-Nam .....	16		1				16 000
Total - WESTERN PACIFIC			5			32 000	148 827
INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES							
Advisory services .....	70	1	1	2	13 995	17 974	29 757
Team for field research on special epidemiological problems .....	112	2	5	3	20 980	89 628	53 615
Field trials of new insecticides and antimalaria drugs (second team) .....	172	5	5	5	135 865	120 250	120 520
Field trials of new attack methods for problem areas	353					263 800	263 800
Seminar on advanced epidemiological methodology ....	355					32 000	
Co-ordination meeting on international preventive measures .....	356					40 000	
Field evaluation of insecticides .....	403			5			113 331
Scientific group on research applied to malaria eradication .....	404						15 200
Total - INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES		8	11	15	170 840	563 652	596 223
<u>OTHER STATUTORY STAFF COSTS</u>							
FIELD							
Terminal payments .....					1 714	20 916	15 661
Pension fund .....					44 353	53 524	23 484
Staff insurance .....					4 043	5 916	3 925
Other allowances .....					133 384	190 556	135 084
Travel on initial recruitment and repatriation .....					14 461	20 700	15 300
Installation per diem .....					11 300	16 100	11 900
Travel on home leave .....					21 003	18 610	3 600
Transportation of personal effects .....					3 200	2 400	3 200
Total - FIELD					233 458	328 722	212 154
Total - <u>OTHER STATUTORY STAFF COSTS</u>					233 458	328 722	212 154



## PART IV: SPECIAL ACCOUNT FOR THE LEPROSY PROGRAMME

(See following table)

The following activities will be implemented to the extent that funds become available under this special account:

## HEADQUARTERS

## Leprosy

*Personnel*: a medical officer, a statistician and a secretary — to co-ordinate the work of the four leprosy control demonstration areas (see under Inter-regional Activities, below) and to assist in supervising and evaluating such projects.

*Consultants*: to supervise the work of the centres co-operating in WHO-sponsored drug trials, and to review the research findings (six months).

*Duty travel*: to visit leprosy research centres in the Americas and in Japan, and the leprosy control demonstration areas (see under Inter-regional Activities, below).

## Other Costs

A scientific group on the therapy and chemoprophylaxis of leprosy, to review research in progress and advise on promising lines for future research.

## AFRICA

## 1. Country Programmes

(a) *Central African Republic* Central African Republic 16  
To assist and advise on leprosy control services. A consultant for three months (\$5100).

(b) *Chad* Chad 2  
To assist and advise on leprosy control services. A consultant for three months (\$5100).

(c) *Nigeria* Nigeria 62  
To assist the development of leprosy control services in Northern Nigeria and train national staff. A leprologist (\$14 753); supplies and equipment (\$2100).

## 2. Inter-country Programmes

*Course on Leprosy Control* AFRO 181  
To provide training for workers engaged in leprosy control. Three short-term consultants (\$5100); attendance of participants (\$17 000); temporary advisers (\$1000); duty travel (\$2000); supplies and equipment (\$1000).

## THE AMERICAS

## 1. Country Programmes

(a) *Colombia* Colombia 0500  
To supplement the provision under PAHO funds. Fellowships (\$3500).

(b) *Mexico* Mexico 0500  
To follow up the provision under the regular budget in 1965. A leprosy control adviser (\$17 266).

(c) *Uruguay* Uruguay 0500  
To supplement the provision under the regular budget. Consultants (\$5100); supplies and equipment (\$200).

## 2. Inter-country Programmes

(a) *Leprosy Control, Inter-zone* AMRO 0500  
To supplement the provision under PAHO funds. Fellowships (\$14 700).

(b) *Leprosy Control, Zone III* AMRO 0503  
To follow up the provision under PAHO funds in 1965. Fellowships (\$4200).

## SOUTH-EAST ASIA

## 1. Country Programmes

(a) *Afghanistan* Afghanistan 43  
To supplement the provision under the regular budget. A six-month fellowship (\$1700); supplies and equipment (\$12 500).

(b) *Burma* Burma 17  
To supplement the provision under the regular budget. A six-month travel fellowship (\$3000); subsidies to cover the cost of training, salaries etc., of additional national leprosy workers (\$30 000).

(c) *Ceylon* Ceylon 26  
To help in assessing the leprosy problem and advise on the further development of the control programme, started in 1954. A consultant for three months (\$5100); a fellowship (\$1000).

(d) *India* India 81  
To supplement the provision under the regular budget. Four six-month travel fellowships (\$12 000).

(e) *Nepal* Nepal 16  
To supplement the provision under the regular budget. Supplies and equipment (\$12 500).

(f) *Thailand* Thailand 30  
To supplement the provision under the regular budget. A consultant for three months (\$5100); five fellowships (\$15 600).

## 2. Inter-country Programmes

*Leprosy Assessment Team* SEARO 120  
To evaluate leprosy control programmes and recommend methods of preventing the spread of the disease. A leprologist, a statistician and a laboratory technician (\$48 874); supplies and equipment (\$100).

## EASTERN MEDITERRANEAN

## Country Programmes

(a) *Saudi Arabia* Saudi Arabia 6

To study the progress achieved in following up the recommendations of the consultant who visited the country in 1964; and to advise on the further development of the programme. A consultant for one month (\$1700); a fellowship (\$1500); supplies and equipment (\$500).

(b) *United Arab Republic* United Arab Republic 54

To supplement the provision under the regular budget. A consultant for two months (\$3400); fellowships (\$4000); supplies and equipment (\$500).

## WESTERN PACIFIC

## Country Programmes

(a) *Republic of Korea* Korea 200

Five fellowships — one in corrective surgery, one in laboratory techniques, one for study of the social aspects of leprosy control, and two for observation of leprosy control programmes (\$12 200).

(b) *Viet-Nam* Viet-Nam 34

To supplement the provision under the regular budget. A twelve-month fellowship (\$4000).

INTER-REGIONAL  
AND OTHER PROGRAMME ACTIVITIES

## 1. Inter-regional Activities

(a) *Field Projects in Leprosy Control and Demonstration Areas*

To improve the methodology of leprosy control and adapt operational methods to local conditions — field projects and demonstration areas in:

(i) *Africa* Inter-regional 309

Two medical officers, two nurses, a physical therapist, two laboratory technicians and two leprosy control officers (\$102 285); consultants (\$34 000); supplies and equipment (\$50 000).

(ii) *The Americas* Inter-regional 310

A medical officer, a laboratory technician and a nurse (\$31 415); consultants (\$3400); supplies and equipment (\$18 000).

(iii) *South-East Asia* Inter-regional 312

In connexion with the leprosy/BCG trial in Burma, a medical officer, two nurses, a physical therapist, a laboratory technician and two leprosy control officers (\$71 435); consultants (\$10 200); supplies and equipment (\$68 000).

(iv) *Western Pacific* Inter-regional 314

Two medical officers, two nurses, a physical therapist, two laboratory technicians and two leprosy control officers (\$100 285); consultants (\$34 000); supplies and equipment (\$50 000).

(b) *Seminar on Leprosy Control* Inter-regional 316

To exchange experience and discuss leprosy control problems in the African, Eastern Mediterranean and European Regions; Consultants (\$5100); attendance of participants (\$30 000); temporary staff (\$2000); other services (\$2200); supplies and equipment (\$1000).

## 2. Assistance to Research and Other Technical Services

*Research on:*

LEP 303 *Histopathology of leprosy*. To supplement the provision in the regular budget under Inter-regional and Other Programme Activities (Assistance to Research — LEP 11).

LEP 304 *Cultivation of Mycobacterium leprae*. To supplement the provision in the regular budget under Inter-regional and Other Programme Activities (Assistance to Research — LEP 4).

LEP 306 *Transmission of leprosy to laboratory animals*. To supplement the provision in the regular budget under Inter-regional and Other Programme Activities (Assistance to Research — LEP 6).

LEP 307 *Antileprosy drugs*. To supplement the provision in the regular budget under Inter-regional and Other Programme Activities (Assistance to Research — LEP 3).

LEP 308 *Epidemiology of leprosy*. To study the infectiousness of indeterminate, tuberculoid (minor and major) and borderline leprosy in Africa, with a view to determining their role in the spread of leprosy; and to study the role of vectors in the transmission of leprosy.

LEP 309 *Immunology of leprosy*. To elucidate the elements involved in the mechanisms of resistance, and the factors influencing it, by studying the properdin system, cross-sensitization and cross-immunization with *Myco. tuberculosis* and other acid-fast mycobacteria and the causes that may induce reactivity to lepromin; and to study fluorescent antibodies and antigen/antibody complexes.

LEP 310 *Chemoprophylaxis of leprosy*. To supplement the provision in the regular budget under Inter-regional and Other Programme Activities (Assistance to Research — LEP 10).

	Number of posts			Estimated obligations		
	1965	1966	1967	1965	1966	1967
				US\$	US\$	US\$
<b>SPECIAL ACCOUNT FOR THE LEPROSY PROGRAMME: ESTIMATED OBLIGATIONS</b>						
<b>OPERATING PROGRAMME: SUMMARY</b>						
<b>HEADQUARTERS</b>						
Leprosy .....	3	3		53 351		54 131
Sub-total	3	3		53 351		54 131
Other costs .....						11 800
Other statutory staff costs .....				12 974		8 777
Total - HEADQUARTERS	3	3		66 325		74 708
<b>FIELD</b>						
Africa .....		1				53 153
The Americas .....	1	1		14 232		44 966
South-East Asia .....	3	3	15 000	143 150		147 474
Eastern Mediterranean .....				3 700		11 600
Western Pacific .....						16 200
Inter-regional and Other Programme Activities .....	28	28	2 500	1 135 378		1 131 320
Total - FIELD	32	33	17 500	1 296 460		1 404 713
Total				17 500	1 362 785	1 479 421
<u>Less:</u> Delays in filling new posts .....					113 144	4 384
Net total - OPERATING PROGRAMME	35	36	17 500	1 249 641		1 475 037
<b>OPERATING PROGRAMME: DETAILS</b>						
<b>HEADQUARTERS</b>						
<b>COMMUNICABLE DISEASES</b>						
<u>Leprosy</u>						
Medical officer .....	P4	1	1	8 930		9 180
Statistician .....	P3	1	1	7 460		7 670
Secretary .....	G3	1	1	3 961		4 281
Total established posts		3	3	20 351		21 131
Consultants' fees .....				4 800		4 800
<u>Travel</u>						
Duty .....				22 800		22 800
Consultants .....				5 400		5 400
Total				53 351		54 131
<u>Other statutory staff costs</u> .....				12 974		8 777
<u>Other costs</u>						
Scientific group on therapy and chemoprophylaxis .....						11 800
Total						11 800
Total - HEADQUARTERS	3	3		66 325		74 708

## SPECIAL ACCOUNT FOR THE LEPROSY PROGRAMME

	Project No.	Number of posts			Estimated obligations		
		1965	1966	1967	1965	1966	1967
					US\$	US\$	US\$
<u>FIELD</u>							
AFRICA							
<u>Country Programmes</u>							
Central African Republic .....	16						5 100
Chad .....	2						5 100
Nigeria .....	62		1				16 853
<u>Inter-country Programmes</u>							
Course on leprosy control .....	181						26 100
Total - AFRICA			1				53 153
THE AMERICAS							
<u>Country Programmes</u>							
Colombia .....	0500						3 500
Mexico .....	0500	1	1		14 232		17 266
Uruguay .....	0500						5 300
<u>Inter-country Programmes</u>							
Leprosy control, Inter-zone .....	0500						14 700
Leprosy control, Zone III .....	0503						4 200
Total - THE AMERICAS			1	1		14 232	44 966
SOUTH-EAST ASIA							
<u>Country Programmes</u>							
Afghanistan .....	43					14 200	14 200
Burma .....	17				15 000	36 600	33 000
Ceylon .....	26					5 100	6 100
India .....	81					6 000	12 000
Nepal .....	16					12 500	12 500
Thailand .....	30					17 100	20 700
<u>Inter-country Programmes</u>							
Leprosy assessment team .....	120		3	3		51 650	48 974
Total - SOUTH-EAST ASIA			3	3	15 000	143 150	147 474
EASTERN MEDITERRANEAN							
<u>Country Programmes</u>							
Saudi Arabia .....	6					3 700	3 700
United Arab Republic .....	54						7 900
Total - EASTERN MEDITERRANEAN						3 700	11 600
WESTERN PACIFIC							
<u>Country Programmes</u>							
Republic of Korea .....	200						12 200
Viet-Nam .....	34						4 000
Total - WESTERN PACIFIC							16 200

	Number of posts			Estimated obligations		
	1965	1966	1967	1965	1966	1967
				US\$	US\$	US\$
Project No.						
<u>Field (continued)</u>						
INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES						
<u>Inter-regional Activities</u>						
Field projects in leprosy control and demonstration areas:						
Africa .....	309	9	9	198 285		186 285
The Americas .....	310	3	3	56 790		52 815
South-East Asia .....	312	7	7	159 018		149 635
Western Pacific .....	314	9	9	196 285		184 285
Seminar on leprosy control .....	316					40 300
Total - Inter-regional Activities		28	28		610 378	613 320
<u>Assistance to Research and Other Technical Services</u>						
Research on:						
- Standardization of lepromin .....	LEP 302			7 000		
- Histopathology of leprosy .....	LEP 303			8 000		8 000
- Cultivation of <i>Mycobacterium leprae</i> .....	LEP 304			150 000		150 000
- Transmission of leprosy to laboratory animals ....	LEP 306			500	150 000	150 000
- Antileprosy drugs .....	LEP 307				50 000	50 000
- Epidemiology of leprosy .....	LEP 308			2 000	10 000	10 000
- Immunology of leprosy .....	LEP 309				100 000	100 000
- Chemoprophylaxis of leprosy .....	LEP 310				50 000	50 000
Total - Assistance to Research and Other Technical Services				2 500	525 000	518 000
Total - INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES		28	28	2 500	1 135 378	1 131 320
<u>OTHER STATUTORY STAFF COSTS</u>						
<u>Headquarters</u>						
Terminal payments .....					883	1 051
Pension fund .....					1 199	1 248
Staff insurance .....					252	262
Other allowances .....					5 340	6 216
Travel on initial recruitment and repatriation .....					1 900	
Installation per diem .....					1 600	
Transportation of personal effects .....					1 800	
Total - Headquarters					12 974	8 777
<u>Field</u>						
Terminal payments .....					9 258	11 345
Pension fund .....					12 570	13 536
Staff insurance .....					2 645	2 841
Other allowances .....					92 084	96 500
Travel on initial recruitment and repatriation .....					27 900	900
Installation per diem .....					21 700	700
Travel on home leave .....						2 650
Total - Field					166 157	128 472
Total - OTHER STATUTORY STAFF COSTS					179 131	137 249

## PART V: SPECIAL ACCOUNT FOR THE YAWS PROGRAMME

(See following table)

The following activities will be implemented to the extent that funds become available under this special account:

## HEADQUARTERS

## Venereal Diseases and Treponematoses

*Personnel:* an epidemiologist, a technical assistant and a clerk-stenographer — to assist in planning and implementing the yaws programme in tropical countries; in developing surveillance methodology based on serological surveys; in defining the epidemiological services required by the rural health services; and in orienting the research and studies needed for yaws eradication.

*Consultants:* (a) to assist in the review and evaluation of progress achieved; (b) to advise on and assist in the development of designs for serological surveillance by the rural health services in different local conditions; (c) to assist tropical countries with training programmes; and (d) to advise on and assist in the integration of mass campaigns into the work of the local health services (a total of eight months).

*Duty travel:* to advise on and assist in developing control and surveillance projects, including the training aspects of such projects.

## AFRICA

## Country Programmes

To assist governments in further anti-yaws work, including strengthening of epidemiological surveillance through rural health services and the co-ordination of inter-country activities, with emphasis on the training of national personnel for field and laboratory work:

- |   |                            |
|---|----------------------------|
| (a) <i>Cameroon</i>   | Cameroon 26                |
| A consultant (\$3400).  |                            |
| (b) <i>Central African Republic</i>   | Central African Republic 1 |
| A consultant (\$1700).  |                            |
| (c) <i>Comoro Archipelago</i>   | Comoro 4                   |
| An epidemiologist, a nurse/administrative officer, and a laboratory technician (\$33 875); fellowships (\$1200); supplies and equipment (\$7000). |                            |
| (d) <i>Congo (Brazzaville)</i>  | Congo (Brazzaville) 1      |
| Consultants (\$5100); supplies and equipment (\$5000).  |                            |
| (e) <i>Dahomey</i>  | Dahomey 2                  |
| A consultant (\$1700).  |                            |
| (f) <i>Guinea</i>   | Guinea 2                   |
| A consultant (\$1700).  |                            |
| (g) <i>Liberia</i>  | Liberia 3                  |
| Consultants (\$3400); supplies and equipment (\$7000).  |                            |
| (h) <i>Niger</i>  | Niger 1                    |
| Consultants (\$3400).   |                            |

- |                                  |                |
|----------------------------------|----------------|
| (i) <i>Senegal</i>               | Senegal 2      |
| Consultants (\$3400).            |                |
| (j) <i>Sierra Leone</i>          | Sierra Leone 1 |
| Supplies and equipment (\$2000). |                |
| (k) <i>Togo</i>                  | Togo 1         |
| Supplies and equipment (\$5000). |                |

## THE AMERICAS

## 1. Country Programmes

To assist governments in further anti-yaws work for the control or eradication of remaining foci, with emphasis on the interruption of transmission and the maintenance of effective epidemiological surveillance; and to assist in training and inter-country co-ordination:

- |  |               |
|--|---------------|
| (a) <i>Brazil</i>  | Brazil 0600   |
| Consultants (\$3400); fellowships (\$12 300); supplies and equipment (\$5000).                         |               |
| (b) <i>Colombia</i>  | Colombia 0600 |
| An epidemiologist and a scientist (\$21 710); fellowships (\$2400); supplies and equipment (\$10 000). |               |
| (c) <i>Ecuador</i>   | Ecuador 0600  |
| An epidemiologist and a scientist (\$22 310); fellowships (\$2400); supplies and equipment (\$10 000). |               |
| (d) <i>Haiti</i>   | Haiti 0600    |
| To supplement the provision under the regular budget. A sanitarian (\$11 400).                         |               |

## 2. Inter-country Programmes

- |  |           |
|--|-----------|
| (a) <i>Yaws Eradication, Inter-zone</i>  | AMRO 0600 |
| To supplement the provision under the regular budget and PAHO funds. Fellowships (\$9100); supplies and equipment (\$3000).  |           |
| (b) <i>Yaws Eradication, Caribbean Area</i>  | AMRO 0608 |
| To assist countries and areas in the Caribbean where eradication projects were initiated some years ago and where further control and surveillance activities are required. An epidemiologist (\$14 753).                    |           |
| (c) <i>Seminar on New Methods and Techniques in Treponematoses Control</i>   | AMRO 0609 |
| To review new methods and techniques of treponematoses control and to co-ordinate inter-island and inter-country activities. Consultants (\$3400); attendance of participants (\$20 362); supplies and equipment (\$10 890). |           |

## SOUTH-EAST ASIA

## Country Programmes

To assist governments in further anti-yaws activities, with emphasis on the control of yaws in the remaining foci, the maintenance of epidemiological surveillance by strengthening rural health services, training and inter-country co-ordination:

- (a) *Burma* Burma 64  
Fellowships (\$3600); supplies and equipment (\$2000).
- (b) *Ceylon* Ceylon 5  
Fellowships (\$2400).
- (c) *India* India 217  
Consultants (\$5100); supplies and equipment (\$20 000).
- (d) *Indonesia* Indonesia 1  
An epidemiologist (\$14 855); consultants (\$1700); fellowships (\$1800); supplies and equipment (\$5000).
- (e) *Thailand* Thailand 2  
Consultants (\$5100); fellowships (\$2400); supplies and equipment (\$8000).

## EASTERN MEDITERRANEAN

## Country Programmes

To assist governments in further anti-yaws activities, with emphasis on the control of existing foci, training and surveillance:

- (a) *Ethiopia* Ethiopia 4  
An epidemiologist (\$13 973); fellowships (\$600); supplies and equipment (\$10 000).
- (b) *Sudan* Sudan 16  
Two epidemiologists (\$21 710); fellowships (\$600); supplies and equipment (\$12 500).

## WESTERN PACIFIC

## 1. Country Programmes

- Cambodia* Cambodia 8  
To assist in the follow-up of previous selective mass campaigns against yaws in some of the provinces; and to advise on the maintenance of the epidemiological surveillance and control activities. Consultants (\$3400).

## 2. Inter-country Programmes

*Yaws Control and Surveillance Team* WPRO 136

To assist countries and island areas of the Region in yaws eradication; to undertake serological surveys; to evaluate the outcome of previous mass campaigns; and to provide material for serological surveys of communicable diseases other than yaws (New Hebrides, the Solomon Islands, Tonga and Fiji). A medical adviser, a scientist/serologist and an administrative officer (\$46 607); supplies and equipment (\$5000).

INTER-REGIONAL  
AND OTHER PROGRAMME ACTIVITIES

## 1. Inter-regional Activities

- (a) *Training Team on Laboratory and Control Techniques* Inter-regional 318

To provide a demonstration and training team on new serological techniques based on specific treponemal testing of sera and of dried blood eluents transported by mail; and to arrange courses on epidemiological techniques based on valid sampling designs and the evaluation of immunological patterns in yaws populations. A microbiologist, a serologist, a laboratory assistant and an administrative assistant (\$47 341); supplies and equipment (\$10 000).

- (b) *Conference on Yaws Control and Eradication* Inter-regional 319

To provide a forum for a world-wide review of the progress achieved in yaws eradication in the long-term programme initiated under WHO auspices in 1949; to appraise the outcome of yaws campaigns (epidemiological studies of immunological patterns); to suggest the yaws surveillance and rural epidemiological services needed to prevent a recrudescence of the disease; and to consider past and future epidemiological, serological, therapeutic and other research in yaws eradication. Consultants (\$5100); temporary staff (\$3200); attendance of twenty participants from all regions where yaws is prevalent (\$28 000); supplies and equipment (\$2000); other costs (\$2000).

## 2. Assistance to Research and Other Technical Services

*Research on:*

- (a) VDT 401 Epidemiological, diagnostic and control techniques.
- (b) VDT 402 The microbiology of pathogenic and non-pathogenic treponemes.
- (c) VDT 403 Immunological patterns and serum bank activities.

	Number of posts			Estimated obligations		
	1965	1966	1967	1965	1966	1967
				US\$	US\$	US\$
<b>SPECIAL ACCOUNT FOR THE YAWS PROGRAMME: ESTIMATED OBLIGATIONS</b>						
<b>OPERATING PROGRAMME: SUMMARY</b>						
<b>HEADQUARTERS</b>						
Venereal diseases and treponematoses .....	3	3		32 791	33 561	
Sub-total	3	3		32 791	33 561	
Other statutory staff costs .....				11 685	7 250	
Total - HEADQUARTERS	3	3		44 476	40 811	
<b>FIELD</b>						
Africa .....	3	3		41 110	84 875	
The Americas .....	6	6		75 134	162 425	
South-East Asia .....	4	1		135 532	71 955	
Eastern Mediterranean .....	3	3		39 515	59 383	
Western Pacific .....	3	3		52 838	55 007	
Inter-regional and Other Programme Activities .....	4	4		81 290	127 641	
Total - FIELD	23	20		425 419	561 286	
Total	26	23		469 895	602 097	
<u>Less:</u> Delays in filling new posts .....				91 898		
Net total - OPERATING PROGRAMME	26	23		377 997	602 097	
<b>OPERATING PROGRAMME: DETAILS</b>						
<b>HEADQUARTERS</b>						
<b>COMMUNICABLE DISEASES</b>						
<b>Venereal Diseases and Treponematoses</b>						
Epidemiologist .....	P4	1	1	8 930	9 180	
Technical assistant .....	P1	1	1	4 800	5 000	
Clerk-stenographer .....	G3	1	1	3 961	4 281	
Total established posts		3	3	17 691	18 461	
Consultants' fees .....				6 400	6 400	
<b>Travel</b>						
Duty .....				1 500	1 500	
Consultants .....				7 200	7 200	
Total				32 791	33 561	
<u>Other statutory staff costs</u> .....				11 685	7 250	
Total - HEADQUARTERS	3	3		44 476	40 811	



	Project No.	Number of posts			Estimated obligations		
		1965	1966	1967	1965 US\$	1966 US\$	1967 US\$
<b>FIELD</b>							
<b>AFRICA</b>							
<u>Country Programmes</u>							
Cameroon .....	26				1 700	3 400	
Central African Republic .....	1				1 700	1 700	
Comoro Archipelago .....	4	3	3		37 710	42 075	
Congo (Brazzaville) .....	1					10 100	
Dahomey .....	2					1 700	
Guinea .....	2					1 700	
Liberia .....	3					10 400	
Niger .....	1					3 400	
Senegal .....	2					3 400	
Sierra Leone .....	1					2 000	
Togo .....	1					5 000	
		---	---	---			
Total - AFRICA		3	3		41 110	84 875	
		---	---	---	-----	-----	
<b>THE AMERICAS</b>							
<u>Country Programmes</u>							
Brazil .....	0600					20 700	
Colombia .....	0600	2	2		24 307	34 110	
Ecuador .....	0600	2	2		24 887	34 710	
Haiti .....	0600	1	1		10 000	11 400	
<u>Inter-country Programmes</u> AMRO							
Yaws eradication, Inter-zone .....	0600					12 100	
Yaws eradication, Caribbean area .....	0608	1	1		15 940	14 753	
Seminar on new methods and techniques in treponematoses control .....	0609					34 652	
		---	---	---			
Total - THE AMERICAS		6	6		75 134	162 425	
		---	---	---	-----	-----	
<b>SOUTH-EAST ASIA</b>							
<u>Country Programmes</u>							
Burma .....	64	1			25 878	5 600	
Ceylon .....	5					2 400	
Ceylon .....	59				5 100		
India .....	217	2			64 500	25 100	
Indonesia .....	1	1	1		24 554	23 355	
Thailand .....	2				15 500	15 500	
		---	---	---			
Total - SOUTH-EAST ASIA		4	1		135 532	71 955	
		---	---	---	-----	-----	
<b>EASTERN MEDITERRANEAN</b>							
<u>Country Programmes</u>							
Ethiopia .....	4	1	1		15 208	24 573	
Sudan .....	16	2	2		24 307	34 810	
		---	---	---			
Total - EASTERN MEDITERRANEAN		3	3		39 515	59 383	
		---	---	---	-----	-----	

## SPECIAL ACCOUNT FOR THE YAWS PROGRAMME

	Project No.	Number of posts			Estimated obligations		
		1965	1966	1967	1965 US\$	1966 US\$	1967 US\$
<u>Field (continued)</u>							
WESTERN PACIFIC							
<u>Country Programmes</u>							
Cambodia .....	8					3 400	
<u>Inter-country Programmes</u>							
Yaws control and surveillance team .....	136	3	3		52 838	51 607	
Total - WESTERN PACIFIC		3	3		52 838	55 007	
INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES							
<u>Inter-regional Activities</u>							
Training team on laboratory and control techniques .	318	4	4		51 290	57 341	
Conference on yaws control and eradication .....	319					40 300	
Total - Inter-regional Activities		4	4		51 290	97 641	
<u>Assistance to Research and Other Technical Services</u>							
Research on:							
- Epidemiological, diagnostic and control techniques	VDT 401				10 000	10 000	
- Microbiology of pathogenic and non-pathogenic treponemes .....	VDT 402				10 000	10 000	
- Immunological patterns and serum bank activities .	VDT 403				10 000	10 000	
Total - Assistance to Research and Other Technical Services					30 000	30 000	
Total - INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES		4	4		81 290	127 641	
<u>OTHER STATUTORY STAFF COSTS</u>							
<u>Headquarters</u>							
Terminal payments .....					759	907	
Pension fund .....					1 030	1 077	
Staff insurance .....					216	226	
Other allowances .....					4 380	5 040	
Travel on initial recruitment and repatriation .....					1 900		
Installation per diem .....					1 600		
Transportation of personal effects .....					1 800		
Total - Headquarters					11 685	7 250	
<u>Field</u>							
Terminal payments .....					7 806	7 798	
Pension fund .....					10 594	9 258	
Staff insurance .....					2 231	1 942	
Other allowances .....					65 232	58 521	
Travel on initial recruitment and repatriation .....					22 500		
Installation per diem .....					15 400		
Total - Field					123 763	77 519	
Total - <u>OTHER STATUTORY STAFF COSTS</u>					135 448	84 769	

## PART VI: SPECIAL ACCOUNT FOR SMALLPOX ERADICATION

(See following table)

The following activities will be implemented to the extent that funds become available under this account:

## HEADQUARTERS

## Smallpox Eradication

*Personnel*: a medical officer and an administrative assistant—to assist in the development of technical standards for methods of eradication and surveillance activities, and in the assessment of the degree of eradication.

*Consultants*: (a) to study the needs of countries in the preparatory stages of the programme and find the best methods of eradication under different field conditions; and (b) to advise on the development of freeze-dried vaccine production and of virus diagnostic facilities within the framework of the surveillance system (a total of twenty months).

*Duty travel*: to discuss and review developments and problems.

## Other Costs

*A scientific group*: to review the progress of the eradication programme since the Expert Committee on Smallpox first met in 1964, and to advise on technical policy and standards for eradication.

*Vaccine testing*: to enable WHO-designated assay laboratories to test freeze-dried vaccine being produced in various countries or being used in different field conditions.

## AFRICA

## 1. Regional Advisers

*Personnel*: a medical officer and a secretary—for the guidance, supervision and assessment of programmes.

*Consultants*: (i) to evaluate the status of smallpox eradication, including surveillance techniques, for the Region as a whole; (ii) to assist appropriate laboratories in the development of techniques for the diagnosis of smallpox cases; and (iii) to assist in the preparatory and planning stages of programmes throughout the Region (a total of sixteen months).

*Duty travel*: to discuss and review developments and problems.

## 2. Country Programmes

## (a) Dahomey Dahomey 18

To assist in the development of an eradication programme and of a surveillance system. A medical officer (\$20 789); supplies and equipment (\$30 000).

## (b) Ivory Coast Ivory Coast 14

To assist in implementing a maintenance vaccination programme and in developing a surveillance system. The first mass campaign has been completed and the project is now at the maintenance stage. A medical officer (\$21 185); supplies and equipment (\$20 000).

## (c) Liberia Liberia 17

To help in accelerating the eradication programme that was started in 1962 with WHO assistance, and in developing a surveillance system. A medical officer (\$19 997); supplies and equipment (\$20 000).

## (d) Mali Mali 22

To help in accelerating the eradication programme started in 1963, assessing operations and developing a surveillance system; a pilot project was carried out with WHO assistance in 1964 and 1965. A medical officer (\$21 185); supplies and equipment (\$60 000).

## (e) Nigeria Nigeria 65

To assist in developing an eradication programme simultaneously in the four Regions and the Federal Territory. The project is expected to be carried out partly by the basic health services. A limited smallpox programme has hitherto been part of the WHO-assisted yaws project. A medical officer (\$18 809); supplies and equipment (\$150 000).

## (f) Sierra Leone Sierra Leone 27

To assist in developing a smallpox eradication programme and a surveillance system. A limited campaign has so far been carried out by the WHO-assisted yaws project. A medical officer (\$18 413); supplies and equipment (\$40 000).

## (g) Togo Togo 25

To assist in a maintenance vaccination programme and the development of a surveillance system. The WHO-assisted yaws/leprosy/smallpox combined project has carried out the vaccination programme so far. A medical officer (\$20 789); supplies and equipment (\$20 000).

## (h) Upper Volta Upper Volta 7

A project similar to Ivory Coast 14 above. A medical officer (\$19 997); supplies and equipment (\$30 000).

## 3. Inter-country Programmes

## (a) Course on Smallpox AFRO 202

To provide training in operational methods, surveillance, and diagnostic methods for national staff. Consultants (\$3400); attendance of participants (\$22 000); supporting services (\$5600); supplies and equipment (\$1000).

## (b) Fellowships AFRO 200

To supplement the provision under the regular budget (AFRO 143). Three nine-month fellowships (\$9750).

## THE AMERICAS

## 1. Regional Advisers

*Personnel:* a medical officer and a secretary—to assist in the development of programmes in countries where smallpox is endemic, and in surveillance programmes in both non-endemic and endemic countries.

*Consultants:* as described under Africa (Regional Advisers) above—a total of ten months.

*Duty travel:* to discuss and review the development of the programme, including the surveillance system, in all South American countries.

## 2. Country Programmes

(a) *Argentina* Argentina 0300

To assist in the re-establishment of a national vaccination programme (a campaign was originally started in 1961) and in developing a surveillance system. A medical officer (\$15 404); supplies and equipment (\$40 000).

(b) *Bolivia* Bolivia 0300

To accelerate the smallpox eradication programme and assist in developing a surveillance system. A medical officer (\$15 413); supplies and equipment (\$40 000).

(c) *Brazil* Brazil 0300

To accelerate the smallpox eradication programme and strengthen surveillance activities. It is expected that the campaign will be intensified, with a more flexible administration, better means of transport, and modern equipment for vaccination. A medical officer (\$15 017); supplies and equipment (\$350 000).

(d) *Colombia* Colombia 0300

To assist in strengthening the maintenance vaccination programme and in developing a surveillance system. Mass vaccination was completed in 1961 but in 1965 many cases were reported, and a three-year mass vaccination programme is being considered. A medical officer (\$15 017); supplies and equipment (\$40 000).

(e) *Paraguay* Paraguay 0300

A project similar to Colombia 0300 above. A medical officer (\$18 205); supplies and equipment (\$30 000).

(f) *Peru* Peru 0300

To assist in the development of a suitable maintenance vaccination programme, accelerate mass campaigns in certain parts of the country, and strengthen the surveillance system. The country eliminated smallpox endemicity in 1954 but there has been a resurgence of the disease since 1963. A medical officer (\$17 809); supplies and equipment (\$30 000).

## 3. Inter-country Programmes

(a) *Smallpox Eradication Project* AMRO 0300

To supplement the provision under PAHO funds. Consultants (\$1700); fellowships (\$2800); supplies and equipment (\$2000).

(b) *Seminar* AMRO 0307

To analyse the various aspects of eradication campaigns and consider the measures that should be taken after their conclusion to prevent the recurrence of smallpox. Attendance of participants (\$28 000).

## SOUTH-EAST ASIA

## 1. Regional Advisers

*Personnel:* a medical officer and a secretary—to provide consultative assistance in developing the programme.

*Consultants:* as described under Africa (Regional Advisers) above—a total of twelve months.

*Duty travel:* to discuss and review developments and problems.

## 2. Country Programmes

(a) *Afghanistan* Afghanistan 54

To accelerate the eradication programme, which started as a WHO-assisted pilot project in 1962. A plan has been made to extend the programme throughout the country; and the need to train female vaccinators has been recognized. A public health nurse and a technician for maintenance of project supplies and equipment (\$29 983); supplies and equipment (\$50 000).

(b) *Burma* Burma 80

To accelerate the eradication programme that was started in 1963 and assist in the establishment of the maintenance programme and a surveillance system. A medical officer (\$19 205); supplies and equipment (\$60 000).

(c) *India* India 233

To intensify the national eradication programme and assist in the establishment of a maintenance programme and the assessment of the present programme. The nation-wide mass campaign started in 1962 and was originally planned to be completed in 1966. Supplies and equipment (\$500 000).

(d) *Nepal* Nepal 9

To accelerate the eradication programme, which was started as a WHO-assisted pilot project; and to assist in the development of a surveillance system. Supplies and equipment (\$50 000).

## 3. Inter-country Programmes

*Conference for the Assessment of the Eradication Programme* SEARO 137

To review and discuss the assessment of eradication programmes and surveillance systems. Attendance of participants (\$25 000).

## EASTERN MEDITERRANEAN

## 1. Regional Advisers

*Personnel:* a medical officer and a secretary—to carry out guidance, supervision and assessment of programmes in countries where the disease is endemic; and to give consultative assistance in the development of surveillance and maintenance vaccination programmes in other countries.

*Consultants:* as described under Africa (Regional Advisers) above—a total of six months.

*Duty travel:* to discuss and review the development of programmes.

**2. Country Programmes****(a) Pakistan**

Pakistan 41

To accelerate the eradication programme and assist in assessing it and in developing a surveillance system. East Pakistan has completed a mass vaccination campaign, and an assessment and maintenance programme is under way; West Pakistan planned to start its mass vaccination campaign in 1965. A medical officer (\$19 205); supplies and equipment (\$80 000).

**(b) Somalia**

Somalia 19

To assist with an eradication programme. A consultant for three months (\$5100); supplies and equipment (\$5000).

**(c) Sudan**

Sudan 28

To accelerate the eradication programme and intensify the surveillance system. The programme started in 1962, and about half of the population has been vaccinated so far. A medical officer (\$17 517); supplies and equipment (\$75 000).

**(d) United Arab Republic**

United Arab Republic 52

To assist in developing the production of lyophilized smallpox vaccine. A consultant for one month (\$1700); supplies and equipment (\$2000).

**INTER-REGIONAL  
AND OTHER PROGRAMME ACTIVITIES****1. Inter-regional Activities***Courses*

Inter-regional 423

To train national programme staff in methods of eradication, assessment, surveillance and laboratory diagnosis. Separate courses for English-speaking and French-speaking countries. Consultants (\$10 200); attendance of participants (\$30 000); supporting services (\$7800); supplies and equipment (\$2000).

**2. Assistance to Research and Other Technical Services**

SM 501 *Epidemiological and virological studies*: to assess the circumstances and factors conducive to the continued endemic propagation of the disease and the duration of immunity conferred by vaccination under circumstances of natural challenge; to compare strains from different areas; and to evaluate chemoprophylactic agents.

## SPECIAL ACCOUNT FOR SMALLPOX ERADICATION

	Number of posts			Estimated obligations		
	1965	1966	1967	1965	1966	1967
				US\$	US\$	US\$
<b>SPECIAL ACCOUNT FOR SMALLPOX ERADICATION: ESTIMATED OBLIGATIONS</b>						
<b>OPERATING PROGRAMME: SUMMARY</b>						
<b>HEADQUARTERS</b>						
Smallpox eradication .....			2			51 730
Sub-total			2			51 730
Other costs .....						32 000
Other statutory staff costs .....						11 391
Total - HEADQUARTERS			2			95 121
<b>FIELD</b>						
Africa .....			10	5 600		625 423
The Americas .....			8	5 280		701 865
South-East Asia .....			5	12 246		774 828
Eastern Mediterranean .....			4			234 582
Inter-regional and Other Programme Activities .....						80 000
Total - FIELD			27	23 126		2 416 698
Total			29	23 126		2 511 819
<u>Less:</u> Delays in filling new posts .....						111 419
Net total - <u>OPERATING PROGRAMME</u>			29	23 126		2 400 400
			===	=====	=====	=====
<b>OPERATING PROGRAMME: DETAILS</b>						
<b>HEADQUARTERS</b>						
<b>COMMUNICABLE DISEASES</b>						
<u>Smallpox Eradication</u>						
Medical officer .....			P4	1		8 930
Administrative assistant .....			P1	1		4 800
Total established posts				2		13 730
Consultants' fees .....						16 000
<u>Travel</u>						
Duty .....						4 000
Consultants .....						18 000
Total						51 730
<u>Other statutory staff costs</u> .....						11 391
<u>Other costs</u>						
Scientific group on methodology of eradication .....						12 000
Vaccine testing .....						20 000
Total						32 000
Total - <u>HEADQUARTERS</u>			2			95 121
			===	=====	=====	=====

	Project No.	Number of posts			Estimated obligations		
		1965	1966	1967	1965	1966	1967
					US\$	US\$	US\$
<u>FIELD</u>							
AFRICA							
<u>Regional Advisers</u>							
Medical officer .....	P4			1			8 930
Secretary .....	BZ7			1			5 070
	Total established posts			2			14 000
Consultants' fees .....							12 800
Travel:							
Duty .....							3 000
Consultants .....							14 400
	Total						44 200
Other statutory staff costs .....							8 309
	Total			2			52 509
<u>Country Programmes</u>							
Dahomey .....	18			1			50 789
Ivory Coast .....	14			1			41 185
Liberia .....	17			1			39 997
Mali .....	22			1	4 900		81 185
Nigeria .....	65			1			168 809
Sierra Leone .....	27			1	700		58 413
Togo .....	25			1			40 789
Upper Volta .....	7			1			49 997
<u>Inter-country Programmes</u> AFRO							
Course on smallpox .....	202						32 000
Fellowships .....	200						9 750
	Total			8	5 600		572 914
	Total - AFRICA			10	5 600		625 423
THE AMERICAS							
<u>Regional Advisers</u>							
Medical officer .....	P4			1			8 930
Secretary .....	WL4			1			4 347
	Total established posts			2			13 277
Consultants' fees .....							8 000
Travel:							
Duty .....							3 000
Consultants .....							9 000
	Total						33 277
Other statutory staff costs .....							7 223
	Total			2			40 500
<u>Country Programmes</u>							
Argentina .....	0300			1			55 404
Bolivia .....	0300			1			55 413
Brazil .....	0300			1			365 017
Colombia .....	0300			1			55 017
Paraguay .....	0300			1			48 205
Peru .....	0300			1			47 809

## SPECIAL ACCOUNT FOR SMALLPOX ERADICATION

	Project No.	Number of posts			Estimated obligations		
		1965	1966	1967	1965	1966	1967
					US\$	US\$	US\$
<u>Field (continued)</u>							
<u>The Americas (continued)</u>							
<u>Inter-country Programmes</u>		AMRO					
Smallpox eradication project .....	0300				5 280		6 500
Seminar .....	0307						28 000
	Total		6		5 280		661 365
	Total - THE AMERICAS		8		5 280		701 865
SOUTH-EAST ASIA							
<u>Regional Advisers</u>							
Medical officer .....	P4		1				8 930
Secretary .....	ND4		1				1 468
	Total established posts		2				10 398
Consultants' fees .....							9 600
<u>Travel:</u>							
Duty .....							3 000
Consultants .....							10 800
	Total						33 798
Other statutory staff costs .....							6 842
	Total		2				40 640
<u>Country Programmes</u>							
Afghanistan .....	54	2			196		79 983
Burma .....	80	1					79 205
India .....	233				11 702		500 000
Nepal .....	9				348		50 000
<u>Inter-country Programmes</u>		SEARO					
Conference for assessment of the eradication programme .....	137						25 000
	Total		3		12 246		734 188
	Total - SOUTH-EAST ASIA		5		12 246		774 828
EASTERN MEDITERRANEAN							
<u>Regional Advisers</u>							
Medical officer .....	P4		1				8 930
Secretary .....	EM6		1				1 656
	Total established posts		2				10 586
Consultants' fees .....							4 800
<u>Travel:</u>							
Duty .....							3 000
Consultants .....							5 400
	Total						23 786
Other statutory staff costs .....							5 274
	Total		2				29 060



	Project No.	Number of posts			Estimated obligations		
		1965	1966	1967	1965	1966	1967
					US\$	US\$	US\$
<u>Field (continued)</u>							
<u>Eastern Mediterranean (continued)</u>							
<u>Country Programmes</u>							
Pakistan .....	41			1			99 205
Somalia .....	19						10 100
Sudan .....	28			1			92 517
United Arab Republic .....	52						3 700
	Total			2			205 522
	Total - EASTERN MEDITERRANEAN			4			234 582
INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES							
<u>Inter-regional Activities</u>							
Courses .....	423						50 000
	Total - Inter-regional Activities						50 000
<u>Assistance to Research and Other Technical Services</u>							
Epidemiological and virological studies .....	SM 501						30 000
	Total - Assistance to Research and Other Technical Services						30 000
	Total - INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES						80 000
OTHER STATUTORY STAFF COSTS							
<u>Headquarters</u>							
Terminal payments .....							686
Pension fund .....							814
Staff insurance .....							171
Other allowances .....							4 920
Travel on initial recruitment and repatriation .....							1 800
Installation per diem .....							1 400
Transportation of personal effects .....							1 600
	Total - Headquarters						11 391
<u>Field</u>							
Terminal payments .....							10 823
Pension fund .....							12 845
Staff insurance .....							2 700
Other allowances .....							82 819
Travel on initial recruitment and repatriation .....							20 800
Installation per diem .....							16 300
Transportation of personal effects .....							870
	Total - Field						147 087
	Total - OTHER STATUTORY STAFF COSTS						158 478

	Project No.	Estimated obligations		
		1965	1966	1967
		US\$	US\$	US\$
<b>PART VII: OTHER SPECIAL ACCOUNTS</b>				
1. <u>SPECIAL ACCOUNT FOR ACCELERATED ASSISTANCE TO NEWLY INDEPENDENT AND EMERGING STATES</u>				
EASTERN MEDITERRANEAN				
<u>Somalia</u>				
Public Health Administration .....	20	10 500	_____	_____
Total - EASTERN MEDITERRANEAN		10 500	_____	_____
Total - SPECIAL ACCOUNT FOR ACCELERATED ASSISTANCE TO NEWLY INDEPENDENT AND EMERGING STATES		10 500	=====	=====
2. <u>SPECIAL ACCOUNT FOR MISCELLANEOUS DESIGNATED CONTRIBUTIONS</u>				
THE AMERICAS				
<u>Brazil</u>				
Parasitic Diseases:				
Studies on clinical features of leishmaniasis .....	0900	23 800	_____	_____
Total - THE AMERICAS		23 800	_____	_____
SOUTH-EAST ASIA				
<u>Afghanistan</u>				
Bacterial Diseases:				
Cholera vaccine .....	20	10 800	_____	_____
Total - SOUTH-EAST ASIA		10 800	_____	_____
WESTERN PACIFIC				
<u>Philippines</u>				
Bacterial Diseases:				
Cholera research .....	50	132 124	_____	_____
Total - WESTERN PACIFIC		132 124	_____	_____
INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES				
Education and Training:				
Purchase of medical literature and equipment .....	380	1 980	_____	_____
Total - INTER-REGIONAL AND OTHER PROGRAMME ACTIVITIES		1 980	_____	_____
Total - SPECIAL ACCOUNT FOR MISCELLANEOUS DESIGNATED CONTRIBUTIONS		168 704	=====	=====
Total - <u>OTHER SPECIAL ACCOUNTS</u>		179 204	=====	=====

**Annex 4**

**ADDITIONAL PROJECTS REQUESTED BY GOVERNMENTS  
AND NOT INCLUDED IN THE  
PROPOSED PROGRAMME AND BUDGET ESTIMATES**

**ADDITIONAL PROJECTS REQUESTED BY GOVERNMENTS  
AND NOT INCLUDED IN THE PROPOSED PROGRAMME AND BUDGET ESTIMATES**

**AFRICA**

(See page 558)

**BASUTOLAND**

**Maternal and Child Health**

*Maternal and Child Health Services* (EPTA-II) Basutoland 9

To assist the development of basic health services, with emphasis on maternal and child health. A medical officer, a health educator and a public health nurse (\$36 831), fellowships (\$8000), supplies and equipment (\$500).

**BECHUANALAND**

**Parasitic Diseases**

*Trypanosomiasis Control* (EPTA-II) Bechuanaland 2

To supplement the provision under EPTA-I. A sanitarian and a laboratory technician (\$23 466).

**BURUNDI**

**Tuberculosis**

*Tuberculosis Control* (EPTA-II) Burundi 6

To assist in developing a tuberculosis control programme. A medical officer, a public health nurse and a laboratory technician (\$37 031), supplies and equipment (\$1000).

**CAMEROON**

**1. Tuberculosis**

*Tuberculosis Control* (EPTA-II) Cameroon 21

To assist the development of tuberculosis control services. A medical officer, a public health nurse and a laboratory technician (\$42 351), supplies and equipment (\$1000).

**2. Parasitic Diseases**

*Trypanosomiasis Control* Cameroon 27

To advise on the control of trypanosomiasis. A consultant epidemiologist and an entomologist for three months (\$10 200).

**3. Health Education**

*Advisory Services* Cameroon 25

To assist the development of health education services. A health educator (\$17 141).

**4. Education and Training**

*Fellowships* Cameroon 200

To prepare teachers in basic medical sciences and preventive and social medicine for the proposed medical school in Yaoundé. Fellowships in various fields (\$60 000).

**CHAD**

**1. Tuberculosis**

*Tuberculosis Control* Chad 4

To assist the development of tuberculosis control services. A medical officer and a public health nurse (\$31 126).

**2. Virus Diseases**

*Trachoma Control* Chad 9

To advise on measures to combat trachoma. A consultant for three months (\$5100).

**3. Education and Training**

*Fellowships* Chad 200

To train six medical officers, a pharmacist, a sanitary engineer and three sanitary inspectors (\$44 000).

**COMORO ARCHIPELAGO**

**1. Tuberculosis**

*Tuberculosis Control* (EPTA-II) Comoro 1

To assist the development of tuberculosis control services. A medical officer and a public health nurse (\$26 766), fellowships (\$4000), supplies and equipment (\$500).

**2. Environmental Health**

*Environmental Sanitation* Comoro 9

To assist in organizing environmental health services and in training sanitation personnel. A sanitary engineer (\$15 386), fellowships (\$15 000), supplies and equipment (\$200).

**CONGO (BRAZZAVILLE)**

**1. Public Health Administration**

*Rural Health Services* (EPTA-II) Congo (Brazzaville) 18

To supplement the provision under EPTA-I. A medical officer, a health educator, a sanitary engineer and a public health nurse (\$61 300).

**2. Education and Training**

*Fellowships* Congo (Brazzaville) 200

Fellowships in various fields (\$30 000).

**DAHOMY**

**1. Tuberculosis**

*Tuberculosis Control* Dahomey 17

To assist the development of tuberculosis control services. A medical officer and a public health nurse (\$30 106), supplies and equipment (\$4000).

**2. Maternal and Child Health**

*Advisory Services* Dahomey 4

To assist the development of maternal and child health services. A medical officer and a public health nurse (\$28 906), supplies and equipment (\$200).

## GABON

**Vital and Health Statistics***Health Statistics* (EPTA-II) Gabon 19

To assist the development of statistical services in the Ministry of Health. A statistician (\$13 951), a twelve-month fellowship (\$4000), supplies and equipment (\$200).

## GAMBIA

**Education and Training***Fellowships* Gambia 200

To train a pharmacist (\$15 000).

## GHANA

**1. Malaria***Pre-eradication Programme* (EPTA-II) Ghana 1

To supplement the provision under the regular budget and EPTA-I. A public health adviser (\$15 325).

**2. Tuberculosis***Tuberculosis Control* (EPTA-II) Ghana 11

To supplement the provision under EPTA-I. A statistician (\$13 435).

**3. Nursing***Post-basic Nursing Education* Ghana 27

To supplement the provision under the regular budget. A nurse/midwife educator (\$13 435), four twelve-month fellowships (\$16 000).

**4. Maternal and Child Health***Maternal and Child Health Services* Ghana 3

To supplement the provision under the regular budget. A health educator (\$15 345).

**5. Education and Training***Fellowships* Ghana 200

To train teaching staff for the medical school. Two three-year and two two-year fellowships (\$40 000).

## GUINEA

**1. Tuberculosis***Tuberculosis Control* Guinea 20

To assist the development of tuberculosis control services. A medical officer and a public health nurse (\$29 726), supplies and equipment (\$4000).

**2. Parasitic Diseases***(a) Onchocerciasis Control* Guinea 21

To assist in controlling onchocerciasis. An epidemiologist, an entomologist and a sanitarian (\$44 063), fellowships (\$4000).

*(b) Bilharziasis Control* Guinea 22

To assist in controlling bilharziasis. An epidemiologist and a sanitarian (\$29 126).

**3. Public Health Administration***Public Health Services* (EPTA-II) Guinea 16

To supplement the provision under EPTA-I. Fellowships for training in public health (\$16 000).

**4. Vital and Health Statistics***Advisory Services* Guinea 18

To assist the development of health statistical services. A statistician (\$14 127), supplies and equipment (\$200).

## IVORY COAST

**Tuberculosis***Tuberculosis Control* Ivory Coast 19

To assist the development of tuberculosis control services. A medical officer and a public health nurse (\$28 778), supplies and equipment (\$4000).

## KENYA

**1. Public Health Administration***(a) Public Health Services* Kenya 16

To supplement the provision under the regular budget. A research assistant and a public health nurse educator (\$19 802).

*(b) Epidemiological Unit* Kenya 30

To assist in setting up an epidemiological unit in the Ministry of Health. An epidemiologist (\$13 165).

**2. Education and Training***(a) Medical School, Nairobi* Kenya 27

To supplement the provision under the regular budget. A visiting professor of preventive medicine and public health (\$15 325).

*(b) Fellowships* Kenya 200

A nine-month fellowship for a tutor radiographer (\$3250).

## MADAGASCAR

**Environmental Health***Environmental Sanitation* (EPTA-II) Madagascar 19

To supplement the provision under EPTA-I. A sanitarian (\$11 755).

## MALI

**Education and Training***Fellowships* Mali 200

Fellowships in various fields (\$24 000).

## MAURITANIA

**1. Bacterial Diseases***Advisory Services* Mauritania 12

To provide advice on the epidemiology and control of enteric diseases and of rickettsioses. Ten consultant months (\$17 000).

**2. Education and Training***Fellowships* Mauritania 200

Fellowships in various fields (\$12 000).

## MAURITIUS

**Education and Training**

*Fellowships* Mauritius 200

Five twelve-month fellowships—in nutrition (two), vital statistics, bilharziasis control, and filariasis control (\$14 000).

## NIGERIA

**Tuberculosis**

*Tuberculosis Control, Northern Nigeria (EPTA-II)* Nigeria 35

To assist in the development of a tuberculosis control programme. A medical officer, a public health nurse and a statistician (\$39 759), supplies and equipment (\$4000).

## SENEGAL

**Education and Training**

*Fellowships* Senegal 200

To facilitate exchange of information on professional training curricula. Six six-week fellowships (\$6000).

## SEYCHELLES

**Venereal Diseases and Treponematoses**

*Venereal Disease Control (EPTA-II)* Seychelles 10

To supplement the provision under EPTA-I. Three twelve-month fellowships (\$12 000).

## SIERRA LEONE

**1. Health Education**

*Advisory Services* Sierra Leone 18

To assist in the development of health education services. A health educator (\$14 607).

**2. Education and Training**

*Fellowships (EPTA-II)* Sierra Leone 201

To train health personnel. Two twelve-month fellowships (\$8000).

## SOUTHERN RHODESIA

**Education and Training**

(a) *Medical Department, University College* Southern Rhodesia 7

To assist in the investigation and assessment of renal function in bilharziasis. A consultant (renal physiologist) for one month (\$1700).

(b) *Fellowships* Southern Rhodesia 200

Fellowships in various fields for post-graduate studies (\$12 000).

## TOGO

**Tuberculosis**

*Tuberculosis Control (EPTA-II)* Togo 21

To assist in developing a tuberculosis control programme. A medical officer and a public health nurse (\$31 706), supplies and equipment (\$1000).

## UPPER VOLTA

**Tuberculosis**

*Tuberculosis Control* Upper Volta 20

To assist in developing a tuberculosis control programme. A medical officer and a public health nurse (\$30 746), supplies and equipment (\$4000).

## INTER-COUNTRY PROGRAMMES

**1. Tuberculosis**

*Tuberculosis Seminar* AFRO 192

To discuss training problems. Two consultants (\$3400), attendance of participants (\$40 000), temporary staff (\$5000), supplies and equipment (\$1000).

**2. Parasitic Diseases**

(a) *Bilharziasis Course (EPTA-II)* AFRO 132

To train personnel of the health services in bilharziasis control. The six-week course would be given in either English or French and there would be twenty-five participants, including medical officers, veterinarians, malariologists, public health engineers and agriculturists. Short-term consultants (\$10 200), attendance of participants (\$15 000), temporary staff (\$5000), supplies and equipment (\$1000).

(b) *Ophthalmological Advisory Team on Onchocerciasis* AFRO 163

To supplement the provision under the regular budget. Two consultants, each for eleven months (\$37 400).

(c) *Trypanosomiasis Advisory Team* AFRO 178

To advise on trypanosomiasis control. A medical officer and an entomologist (\$37 874), supplies and equipment (\$1000).

**3. Vital and Health Statistics**

*Seminar on Vital and Health Statistics (EPTA-II)* AFRO 170

To discuss the development of vital and health statistical services in the Region. Consultants (\$10 200), temporary staff (\$19 000), supplies and equipment (\$1000).

**4. Health Education**

(a) *Seminar on Health Education* AFRO 158

To enable directors and members of health education departments to discuss training problems. Consultants (\$3400), attendance of participants (\$17 800), temporary staff (\$5000), supplies and equipment (\$1000).

(b) *Advisory Services* AFRO 190

To supplement the provision under the regular budget. A health educator (\$17 937).

**5. Maternal and Child Health**

*Seminar on the Organization and Administration of Maternal and Child Health Services* AFRO 119

To exchange views on the organization and administration of health services for mothers and children. Consultants (\$3400), attendance of participants (\$17 800), temporary staff (\$5000), supplies and equipment (\$1000).

**6. Mental Health**

*Seminar on Mental Health* AFRO 120

To discuss the development of mental health services. Consultants (\$3400), attendance of participants (\$14 000), temporary staff (\$5000), supplies and equipment (\$1000).

**7. Environmental Health**

(a) *Seminar on Sewage and Waste Disposal* AFRO 193

To facilitate discussion of sewage and waste disposal problems by persons responsible for the relevant services. Consultants (\$3400), attendance of participants (\$17 000), temporary staff (\$5000), supplies and equipment (\$1000).

(b) *Training of Health Inspectors (EPTA-II)* AFRO 194

To establish a centre offering a three-year course in environmental health and allied subjects for training French-speaking health inspectors. A public health tutor and a sanitary engineer (\$32 074), fellowships (\$30 000), supplies and equipment (\$1000).

(c) *Water Supply and Sewerage Design and Management* AFRO 195

To provide a team of consultants in sanitary engineering and administration of water supply and wastage works, so as to assist governments in the preparation of feasibility tests,

preliminary engineering studies and requests for financial assistance for major works. Three consultants, each for ten months (\$51 000).

**8. Education and Training**

*Meeting of Professors of Public Health* AFRO 196

To discuss the teaching of public health at the undergraduate and post-graduate levels. Consultants (\$3400), attendance of participants (\$8000), supplies and equipment (\$1000).

**9. Other Activities**

*Conference on International Quarantine Measures* AFRO 121

To enable medical officers responsible for international quarantine measures to consider the standardization of methods of applying such measures in ports and airports. Consultants (\$3400), attendance of participants (\$14 000), temporary staff (\$5000), supplies and equipment (\$1000).

**THE AMERICAS**

(See page 559)

**ARGENTINA**

**1. Public Health Administration**

*Health Services, Buenos Aires* Argentina 3105

To assist in developing the health services of the municipality of Buenos Aires. Consultants (\$5100), fellowships (\$7000).

**2. Nursing**

*Nursing Education* Argentina 6300

To supplement the provision under EPTA-I and PAHO funds. Fellowships (\$10 500).

**3. Social and Occupational Health**

*National Institute of Rehabilitation* Argentina 4802

To assist in teaching at the technical school of the National Institute of Rehabilitation. Consultants (\$11 900).

**4. Mental Health**

*Mental Health* Argentina 4300

To supplement the provision under PAHO funds. Fellowships (\$3500).

**5. Environmental Health**

*Sanitary Engineering Education* Argentina 6400

To supplement the provision under PAHO funds. Consultants (\$3400), fellowships (\$11 200), supplies and equipment (\$1000).

**6. Education and Training**

*School of Public Health* Argentina 6100

To supplement the provision under the regular budget. A professor of public health administration (\$15 996), fellowships (\$1400).

**BARBADOS**

**Environmental Health**

*Water Supplies* Barbados 2200

To supplement the provision under EPTA-I. Consultants (\$6800), fellowships (\$4900).

**BOLIVIA**

**1. Nursing**

*Nursing Education* Bolivia 6300

To continue assistance to schools of nursing. A nurse educator (\$14 255), fellowships (\$3500), supplies and equipment (\$1500).

**2. Environmental Health**

*Water Supplies* Bolivia 2200

To supplement the provision under the PAHO Community Water Supply Fund. A sanitary engineer (\$17 728).

**BRAZIL**

**1. Public Health Administration**

(a) *Health Services, North-eastern States* Brazil 3101

To supplement the provision under the regular budget and PAHO funds. Fellowships (\$23 100).

(b) *Fellowships* Brazil 3102

Fellowships (\$14 000).

**2. Vital and Health Statistics**

(a) *Health Statistics* Brazil 3500

To supplement the provision under the regular budget. Fellowships (\$7000).

(b) *Training in Biostatistics* Brazil 6700

To assist in training personnel in the use of the International Classification of Diseases. Fellowships (\$23 000).

**3. Nursing**

(a) *Nursing* Brazil 3200

To supplement the provision under PAHO funds. Consultants (\$3400), fellowships (\$38 890).

(b) *Nursing Education, Recife* Brazil 6301

To supplement the provision under the regular budget. Consultants (\$6800), fellowships (\$4900), supplies and equipment (\$1000).

(c) *Training of Nursing Auxiliaries* Brazil 6302

To supplement the provision under PAHO funds. Consultants (\$3400), fellowships (\$4900), supplies and equipment (\$500).

**4. Social and Occupational Health**(a) *Rehabilitation* Brazil 4801

To follow up the provision under EPTA-I in 1966. An occupational therapist (\$17 245), fellowships (\$1400), supplies and equipment (\$250).

(b) *Training in Orthopaedic Brace-making* Brazil 4802

To follow up the provision under the regular budget in 1966. Consultants (\$5100).

**5. Nutrition***Nutrition* Brazil 4200

To supplement the provision under the regular budget. Fellowships (\$3500).

**6. Education and Training***Medical Education* Brazil 6200

To supplement the provision under the regular budget and PAHO funds. Fellowships (\$30 200).

**BRITISH GUIANA****1. Public Health Administration***National Health Services* British Guiana 3100

To supplement the provision under the regular budget. Consultants (\$6800), fellowships (\$4900).

**2. Mental Health***Mental Health* British Guiana 4300

To assist in developing a long-term plan for mental health services and in training personnel in psychiatric care. Consultants (\$5100), fellowships (\$2800).

**3. Nutrition***Nutrition (EPTA-II)* British Guiana 4200

To assist with the applied nutrition programme. A public health nutritionist (\$14 330), fellowships (\$4900).

**BRITISH HONDURAS****1. Public Health Administration***Health Services* British Honduras 3100

To supplement the provision under the regular budget. Fellowships (\$21 000).

**2. Environmental Health***Water Supplies* British Honduras 2200

To supplement the provision under the PAHO Community Water Supply Fund. Consultants (\$3400), fellowships (\$7700).

**CHILE****1. Tuberculosis***Tuberculosis Control* Chile 0400

To supplement the provision under PAHO funds. Consultants (\$3400).

**2. Public Health Administration***Microbiology Centre* Chile 3301

To supplement the provision under the regular budget. Fellowships (\$3500).

**3. Nursing***National Planning for Nursing* Chile 3200

To follow up the provision under the regular budget in 1965. A nurse educator (\$20 885), fellowships (\$3500), supplies and equipment (\$500).

**COLOMBIA****1. Public Health Administration**(a) *National Institute of Health (Carlos Finlay)* Colombia 3301

To supplement the provision under PAHO funds. Consultants (\$5100).

(b) *Fellowships* Colombia 3101

Fellowships (\$11 200).

**2. Environmental Health**(a) *Water Supplies* Colombia 2200

To supplement the provision under the PAHO Community Water Supply Fund. Fellowships (\$3500).

(b) *Sanitary Engineering Education* Colombia 6400

To supplement the provision under PAHO funds. Consultants (\$5100), supplies and equipment (\$4000).

**3. Education and Training***School of Public Health* Colombia 6100

To supplement the provision under the regular budget. A professor of public health administration (\$22 560).

**COSTA RICA****1. Virus Diseases***Laboratory for Diagnosis of Virus Diseases* Costa Rica 3301

To supplement the provision under the regular budget. A medical officer (\$13 650), fellowships (\$6000), supplies and equipment (\$2100).

**2. Public Health Administration***National Health Services (EPTA-II)* Costa Rica 3100

To supplement the provision under EPTA-I and PAHO funds. Fellowships (\$4900).

**3. Nursing***Advanced Nursing Education* Costa Rica 6300

To supplement the provision under PAHO funds. Supplies and equipment (\$4900).



**4. Health Education**

*Health Education* Costa Rica 3400

To assist in improving and expanding the health education activities of the Ministry of Public Health. A health educator (\$19 475), fellowships (\$10 500).

**5. Environmental Health**

*Water Supplies* Costa Rica 2200

To supplement the provision under PAHO funds. Consultants (\$5100), fellowships (\$6300), supplies and equipment (\$10 000).

**CUBA****Public Health Administration**

*Public Health Services (EPTA-II)* Cuba 3100

To supplement the provision under the regular budget and EPTA-I. Consultants (\$10 200).

**DOMINICAN REPUBLIC****1. Veterinary Public Health**

*Veterinary Medicine Education* Dominican Republic 6500

To assist the newly created Faculty of Agricultural and Veterinary Sciences of the University of Santo Domingo. A professor of preventive medicine (\$18 850).

**2. Public Health Administration**

*Public Health Services* Dominican Republic 3100

To supplement the provision under the regular budget, EPTA-I and PAHO funds. A sanitary engineer, an epidemiologist and a hospital administrator (\$27 390), fellowships (\$24 500).

**3. Education and Training**

*Medical Education* Dominican Republic 6200

To supplement the provision under the regular budget. A professor of preventive medicine (\$14 130).

**ECUADOR****1. Bacterial Diseases**

*Plague Control* Ecuador 0900

To supplement the provision under EPTA-I and PAHO funds. Fellowships (\$10 500), supplies and equipment (\$5000).

**2. Public Health Administration**

(a) *National Institute of Health* Ecuador 3301

To supplement the provision under PAHO funds. A bacteriologist (\$14 970), fellowships (\$3500), supplies and equipment (\$2000).

(b) *Fellowships* Ecuador 3101

Fellowships (\$17 500).

**3. Nursing**

*Nursing Education* Ecuador 6300

To supplement the provision under the regular budget and PAHO funds. Consultants (\$10 200), fellowships (\$7000).

**4. Environmental Health**

*Water Supplies* Ecuador 2200

To supplement the provision under PAHO funds. A sanitary engineer (\$19 520), fellowships (\$14 000).

**EL SALVADOR****1. Public Health Administration**

(a) *National Health Services (EPTA-II)* El Salvador 3100

To supplement the provision under EPTA-I and PAHO funds. An engineer and a planning officer (\$37 590), fellowships (\$10 500).

(b) *Public Health Laboratory Services* El Salvador 3300

To assist in developing public health laboratory services at the central and regional levels. A medical officer (\$14 970), fellowships (\$6300).

**2. Environmental Health**

*Water Supplies* El Salvador 2200

To supplement the provision under PAHO funds, and to assist with a seminar on the technical aspects of the water supply programme (\$26 500).

**GUATEMALA****1. Public Health Administration**

*National Health Services* Guatemala 3100

To supplement the provision under the regular budget and PAHO funds. A nursing adviser (\$13 695).

**2. Environmental Health**

*Water Supplies* Guatemala 2200

To supplement the provision under the PAHO Community Water Supply Fund. An engineer (\$21 990), fellowships (\$2800), supplies and equipment (\$2000).

**HAITI****1. Public Health Administration**

(a) *National Health Services (EPTA-II)* Haiti 3100

To supplement the provision under EPTA-I and PAHO funds. A health educator (\$13 695), fellowships (\$3500).

(b) *Public Health Laboratory* Haiti 3300

To supplement the provision under PAHO funds. A laboratory adviser (\$17 268).

**2. Nursing**

*Course in Nursing Supervision and Administration* Haiti 3200

To assist with a course in nursing supervision and administration that would be attended by nurses from Haiti and from French-speaking territories in the Caribbean (\$22 100).

## HONDURAS

**1. Public Health Administration**

*Public Health Laboratory Services* Honduras 3300

To assist in improving and expanding laboratory services. Consultants (\$3400), fellowships (\$3500), supplies and equipment (\$500).

**2. Environmental Health**

*Water Supplies* Honduras 2200

To supplement the provision under PAHO funds and the PAHO Community Water Supply Fund. Consultants (\$10 200), fellowships (\$2800).

## JAMAICA

**1. Public Health Administration**

*Public Health Services* Jamaica 3100

To supplement the provision under the regular budget and PAHO funds. Consultants (\$5100), fellowships (\$1400).

**2. Nursing**

*Advanced Nursing Education, University of the West Indies* Jamaica 6301

To supplement the provision under the regular budget. Fellowships (\$21 000).

**3. Mental Health**

*Mental Health (EPTA-II)* Jamaica 4300

To supplement the provision under PAHO funds. A hospital planner (\$17 854).

**4. Environmental Health**

*Rural Water Supplies* Jamaica 2200

To supplement the provision under EPTA-I. Consultants (\$5100).

## MEXICO

**1. Public Health Administration**

(a) *State Health Services* Mexico 3101

To supplement the provision under the regular budget. A health educator (\$15 556).

(b) *Public Health Laboratories* Mexico 3300

To follow up the provision under PAHO funds in 1965. Consultants (\$5100), fellowships (\$7000), supplies and equipment (\$1500).

**2. Vital and Health Statistics**

*Health Statistics* Mexico 3500

To follow up the provision under EPTA-I in 1966. Consultants (\$6800).

**3. Nursing**

*Nursing Education* Mexico 6300

To supplement the provision under PAHO funds. A nurse educator (\$14 195).

## NICARAGUA

**Environmental Health**

*Water Supplies* Nicaragua 2200

To supplement the provision under PAHO funds and the PAHO Community Water Supply Fund. A sanitary engineer (\$19 120), fellowships (\$4900), supplies and equipment (\$250).

## PANAMA

**1. Public Health Administration**

*National Health Services (EPTA-II)* Panama 3100

To supplement the provision under EPTA-I and PAHO funds. An administrative methods adviser (\$17 095), consultants in nutrition and laboratory services (\$3400), fellowships (\$32 850).

**2. Environmental Health**

*Water Supplies* Panama 2200

To supplement the provision under PAHO funds and the PAHO Community Water Supply Fund. Fellowships (\$30 750).

## PARAGUAY

**1. Public Health Administration**

(a) *National Health Services (EPTA-II)* Paraguay 3100

To supplement the provision under EPTA-I. A hospital administrator (\$13 290), fellowships (\$1400).

(b) *Fellowships* Paraguay 3101

Fellowships (\$21 000).

**2. Nutrition**

*Nutrition* Paraguay 4200

To supplement the provision under PAHO funds. Fellowships (\$7000).

**3. Environmental Health**

*Water Supplies* Paraguay 2200

To supplement the provision under the PAHO Community Water Supply Fund. Consultants (\$5100), fellowships (\$3900).

**4. Education and Training**

*Medical Education* Paraguay 6200

To follow up the provision under PAHO funds in 1965. Consultants (\$5100), fellowships (\$22 900), supplies and equipment (\$1000).

## PERU

**1. Public Health Administration**

(a) *National Health Services* (EPTA-II) Peru 3100  
To supplement the provision under EPTA-I and PAHO funds. A nursing adviser (\$18 773).

(b) *Fellowships* Peru 3101  
Fellowships (\$11 200).

**2. Dental Health**

*Dental Education* Peru 6600  
To supplement the provision under PAHO funds. Fellowships (\$3500).

**3. Nursing**

*Nursing Education* Peru 6300  
To supplement the provision under the regular budget and PAHO funds. Consultants (\$5100).

**4. Environmental Health**

*Water Supplies* (EPTA-II) Peru 2200  
To supplement the provision under EPTA-I and the PAHO Community Water Supply Fund. A sanitary engineer (\$21 925).

**5. Education and Training**

*Medical Education* Peru 6200  
To supplement the provision under PAHO funds. Consultants (\$5100).

## SURINAM

**Environmental Health**

*Water Supplies* Surinam 2200  
To supplement the provision under PAHO funds and the PAHO Community Water Supply Fund. Consultants (\$3400), fellowships (\$1400).

## TRINIDAD AND TOBAGO

**1. Public Health Administration**

*Hospital Administration and Medical Records* Trinidad and Tobago 4800  
To supplement the provision under EPTA-I. A medical records librarian (\$14 162), fellowships (\$3600).

**2. Nutrition**

*Nutrition* Trinidad and Tobago 4200  
To supplement the provision under PAHO funds. Consultants (\$5100), fellowships (\$3500).

**3. Environmental Health**

*Water Supplies* Trinidad and Tobago 2200  
To supplement the provision under the PAHO Community Water Supply Fund. Consultants (\$3400), fellowships (\$3500).

## URUGUAY

**1. Veterinary Public Health**

*Veterinary Medicine Education* Uruguay 6500  
To supplement the provision under the regular budget. Supplies and equipment (\$2500).

**2. Public Health Administration**

*National Health Services* Uruguay 3100  
To supplement the provision under EPTA-I and PAHO funds. A medical officer (\$19 090), fellowships (\$4200), supplies and equipment (\$500).

**3. Vital and Health Statistics**

*Health Statistics* Uruguay 3500  
To supplement the provision under the regular budget. Consultants (\$1700), fellowships (\$7000), supplies and equipment (\$5000).

**4. Dental Health**

*Dental Education* Uruguay 6600  
To supplement the provision under PAHO funds. Consultants (\$1700), fellowships (\$7000).

**5. Social and Occupational Health**

*Rehabilitation* (EPTA-II) Uruguay 4802  
To assist with training courses given by the Nacional Association of Crippled Children and other agencies. Consultants (\$5100), fellowships (\$9800).

**6. Chronic and Degenerative Diseases**

*Chronic Diseases* Uruguay 4801  
To supplement the provision under PAHO funds. Consultants (\$1700), fellowships (\$3500).

**7. Environmental Health**

*Water Supplies* Uruguay 2200  
To supplement the provision under the PAHO Community Water Supply Fund. Consultants (\$5100), fellowships (\$6300), supplies and equipment (\$500).

**8. Education and Training**

*Training of Health Personnel* Uruguay 6100  
To supplement the provision under PAHO funds. Fellowships (\$7000).

## VENEZUELA

**1. Public Health Administration**

*Consultant Services in Health* Venezuela 3100  
To supplement the provision under the regular budget and PAHO funds. Consultants (\$5100).

**2. Mental Health**

*Mental Health* Venezuela 4300  
To supplement the provision under EPTA-I and PAHO funds. Consultants (\$5100), fellowships (\$25 200).

**3. Environmental Health**

- (a) *Environmental Sanitation* Venezuela 2100  
To supplement the provision under PAHO funds. Consultants (\$3400), fellowships (\$10 500).
- (b) *Aedes aegypti Eradication* Venezuela 2300  
To supplement the provision under PAHO funds. A sanitarian (\$15 768), fellowships (\$1400).

## WEST INDIES

**1. Public Health Administration**

- (a) *Medical Care* West Indies 4800  
To follow up the provision under PAHO funds in 1966. Consultants (\$6800), fellowships (\$3500).
- (b) *Fellowships* West Indies 3101  
Fellowships (\$25 200).

**2. Nursing**

- (a) *Nursing Services* West Indies 3200  
To supplement the provision under the regular budget. Consultants (\$5100), fellowships (\$7000).
- (b) *Nursing Education* West Indies 6300  
To supplement the provision under PAHO funds. Consultants (\$1700), fellowships (\$9590).

## INTER-COUNTRY PROGRAMMES

**1. Tuberculosis**

- (a) *Tuberculosis Control, Inter-zone* AMRO 0400  
To supplement the provision under the regular budget. A nurse (\$16 795), fellowships (\$22 400).
- (b) *Tuberculosis Control, Zone III* AMRO 0403  
To supplement the provision under PAHO funds. A nurse (\$23 895), fellowships (\$13 000).

**2. Parasitic Diseases**

- Bilharziasis* AMRO 0901  
To supplement the provision under PAHO funds. Consultants (\$10 200), fellowships (\$2800).

**3. Veterinary Public Health**

- Pan American Zoonoses Centre* AMRO 0700  
To supplement the provision under EPTA-I and PAHO funds. Consultants (\$6800).

**4. Public Health Administration**

- (a) *National Health Planning, Zone I* AMRO 3101  
To supplement the provision under the regular budget. Participants (\$14 095), supplies and equipment (\$2000).
- (b) *Public Health Administration, Caribbean Area* AMRO 3107  
To supplement the provision under the regular budget and PAHO funds. Consultants in administrative methods (\$3400), fellowships (\$3500).

- (c) *Laboratory Services, Inter-zone* AMRO 3300  
To supplement the provision under the regular budget. Fellowships (\$19 600), supplies and equipment (\$16 000).

- (d) *Laboratory Services, Caribbean Area* AMRO 3301  
To supplement the provision under PAHO funds. Consultants (\$1700), fellowships (\$14 000).

- (e) *Vaccine Production and Testing* AMRO 3307  
To supplement the provision under the regular budget. Consultants (\$6800).

- (f) *Food and Drug Control, Inter-zone* AMRO 4700  
To supplement the provision under PAHO funds. An adviser on food and drug control services (\$18 495).

**5. Vital and Health Statistics**

- (a) *Health Statistics, Zone I* AMRO 3501  
To supplement the provision under PAHO funds. A statistician (\$16 928), fellowships (\$4900).

- (b) *Health Statistics, Zone II* AMRO 3502  
To supplement the provision under the regular budget. Consultants (\$5100).

- (c) *Perinatal Studies* AMRO 3508  
To supplement the provision under the regular budget. A medical officer (\$16 535).

- (d) *Chronic Disease Statistics* AMRO 3509  
To supplement the provision under PAHO funds. A statistician (\$15 155).

- (e) *Training in Biostatistics* AMRO 6700  
To supplement the provision under EPTA-I. Fellowships (\$52 500).

**6. Dental Health**

- (a) *Training in Dental Health* AMRO 4400  
To supplement the provision under PAHO funds. An adviser in dental health programmes (\$18 914), fellowships (\$7000), supplies and equipment (\$1000).

- (b) *Dental Epidemiology* AMRO 4407  
To supplement the provision under PAHO funds. Fellowships (\$20 400).

- (c) *Dental Education* AMRO 6600  
To supplement the provision under the regular budget and PAHO funds. Consultants (\$3400), fellowships (\$11 900), supplies and equipment (\$3000).

**7. Nursing**

- (a) *Courses on Nursing Administration and Supervision, Zone I* AMRO 3207  
To supplement the provision under PAHO funds. Fellowships (\$28 000).

- (b) *Nursing Education* AMRO 6300  
To supplement the provision under the regular budget. Consultants (\$3400), fellowships (\$39 000).

- (c) *Seminar on Nursing Education* AMRO 6307  
To make an evaluation of the system of programmed instruction of nursing auxiliaries. Seminar costs (\$18 000).

**8. Health Education**

*Health Education, Caribbean Area* AMRO 3401

To supplement the provision under EPTA-I and PAHO funds. Fellowships (\$6300).

**9. Maternal and Child Health**

*Training in Clinical and Social Paediatrics* AMRO 4108

To supplement the provision under the regular budget. Supplies and equipment (\$5000).

**10. Mental Health**

*Mental Health, Zone I* AMRO 4301

To advise the authorities of the Caribbean area on the development of mental health programmes. Consultants (\$5100).

**11. Nutrition**

(a) *Advisory Services, Inter-zone* AMRO 4200

To supplement the provision under the regular budget and PAHO funds. Fellowships (\$39 396).

(b) *Advisory Services, Zone I* AMRO 4201

To supplement the provision under the regular budget and PAHO funds. A biochemist and a public health nutritionist (\$28 558), fellowships (\$7000).

(c) *Advisory Services, Zone IV* AMRO 4204

To supplement the provision under the regular budget. Fellowships (\$15 400).

**12. Radiation and Isotopes**

*Health Aspects of Radiation* AMRO 4500

To supplement the provision under the regular budget and PAHO funds. Consultants (\$6800), fellowships (\$11 900), supplies and equipment, (\$6350).

**13. Environmental Health**

(a) *Sanitary Engineering, Zone I* AMRO 2101

To supplement the provision under PAHO funds. Fellowships (\$13 300).

(b) *Sanitary Engineering, Zone III* AMRO 2103

To supplement the provision under PAHO funds. Fellowships (\$9100).

(c) *Seminar on Sanitary Engineering, Zone III* AMRO 2108

To discuss problems connected with water supply and sewerage and to provide additional training to engineers employed in public health services. Seminar costs (\$14 653)

(d) *Sewage Disposal and Water Pollution Control* AMRO 2109

To supplement the provision under PAHO funds. Consultants (\$3400), fellowships (\$5600).

(e) *Water Supplies* AMRO 2200

To supplement the provision under PAHO funds and the PAHO Community Water Supply Fund. Consultants (\$6800).

(f) *Aedes aegypti Eradication, Inter-zone* AMRO 2300

To supplement the provision under PAHO funds. Supplies and equipment (\$20 000).

(g) *Sanitary Engineering Training* AMRO 6400

To supplement the provision under PAHO funds. Consultants (\$17 000), supplies and equipment (\$10 000).

(h) *Sanitary Engineering Training, Zone III* AMRO 6403

To supplement the provision under PAHO funds. A sanitary engineer (\$14 890), supplies and equipment (\$1000).

(i) *Training of Sanitary Inspectors, Zone III* AMRO 6407

To follow up the provision under PAHO funds in 1965. Consultants (\$5100), fellowships (\$21 000), supplies and equipment (\$500).

**14. Education and Training**

(a) *Medical Education, Inter-zone* AMRO 6200

To supplement the provision under the regular budget and PAHO funds. Fellowships (\$30 800), supplies and equipment (\$13 000).

(b) *Medical Education, Zone IV* AMRO 6204

To supplement the provision under PAHO funds. An adviser in medical education (\$28 040), fellowships (\$8400).

(c) *Group Study of Medical School Organization* AMRO 6209

To enable directors and deans of medical schools to study the organization of medical schools in Latin America. Consultants (\$5100), fellowships (\$9900).

**15. Other Activities**

*Co-ordination of International Research* AMRO 3110

To supplement the provision under PAHO funds. Consultants (\$18 700).

**SOUTH-EAST ASIA**

(See page 562)

**AFGHANISTAN****1. Public Health Administration**

(a) *Rural Health (EPTA-II)* Afghanistan 26

To supplement the provision under EPTA-I. A twelve-month fellowship (\$3600).

(b) *Training Course in Rural Health Services* Afghanistan 52

To provide a three-week refresher course in rural health for medical officers, and in-service training for staff of the national health services. Attendance of twelve participants (\$520), supplies and equipment (including secretarial assistance) (\$1200).

(c) *Fellowships (EPTA-II)* Afghanistan 201

To train a medical officer for an epidemiological unit in the Ministry of Health. A twelve-month fellowship (\$3600).

**2. Dental Health**

*Dental Health (EPTA-II)* Afghanistan 60

To advise the Government on the dental health needs of the country, and particularly of Kabul. A consultant for three months (\$5100).

**3. Nursing**

*Advisory Services (EPTA-II)* Afghanistan 35  
To supplement the provision under EPTA-I. A nurse educator (\$8645).

**4. Maternal and Child Health**

*Provincial Maternal and Child Health Services and Training (EPTA-II)* Afghanistan 56  
To supplement the provision under EPTA-I. A twelve-month fellowship (\$3600).

**5. Environmental Health**

(a) *School for Sanitarians, Kabul (EPTA-II)* Afghanistan 28  
To train sanitarians for health services throughout the country and to follow up the progress of the school, which has been assisted by WHO since 1955. A consultant for three months (\$5100).

(b) *Fellowships (EPTA-II)* Afghanistan 201  
For training in sanitary engineering. A twelve-month fellowship (\$6800).

**BURMA****1. Bacterial Diseases**

*Plague Control* Burma 78  
To supplement the provision under the regular budget. A six-month fellowship (\$2400).

**2. Public Health Administration**

(a) *Strengthening of Health Services (Epidemiology) (EPTA-II)* Burma 44  
To supplement the provision under EPTA-I. A consultant for three months (\$5100).

(b) *Strengthening of Laboratory Services* Burma 74  
To supplement the provision under the regular budget. A twenty-four-month fellowship (\$6700).

(c) *Burma Pharmaceutical Institute* Burma 77  
To follow up the provision under the regular budget in 1966. A consultant for three months (\$5100), three fellowships (\$6000).

(d) *Fellowships* Burma 200  
To train medical personnel in specialized fields of epidemiology or research. Three twelve-month fellowships (\$10 800).

**3. Nursing**

*Refresher Courses* Burma 40  
To assist with refresher courses in various aspects of nursing and midwifery. Stipends for twenty participants for three months (\$2310).

**4. Health Education**

*Health Education in Schools* Burma 60  
To supplement the provision under the regular budget. Two ten-month fellowships (\$12 400).

**5. Maternal and Child Health**

*Paediatric Education* Burma 67  
To supplement the provision under the regular budget. Two nine-month fellowships (\$6000).

**6. Environmental Health**

*Mu River Irrigation Survey* Burma 71  
To study the health problems involved in the development of the Mu River project in co-operation with the United Nations Special Fund and to advise on preventive measures. Two consultants, each for three months (\$10 200).

**7. Education and Training**

*Institute of Medicine I, Rangoon (EPTA-II)* Burma 28  
To supplement the provision under EPTA-I. A twenty-four-month and four twelve-month fellowships (\$21 100).

**CEYLON****1. Parasitic Diseases**

*Filariasis Control (EPTA-II)* Ceylon 56  
To supplement the provision under EPTA-I. A consultant for three months (\$5100).

**2. Public Health Administration**

(a) *Strengthening of Health Services (Epidemiology)* Ceylon 38  
To supplement the provision under the regular budget. A consultant for three months (\$5100).

(b) *Strengthening of Epidemiological Services (EPTA-II)* Ceylon 78  
To assist the Government in reviewing the organization and work of the epidemiological services (see Ceylon 38). A consultant for three months (\$5100).

**3. Mental Health**

*Mental Health* Ceylon 37  
To supplement the provision under the regular budget. A twelve-month fellowship (\$3600).

**4. Radiation and Isotopes**

*Fellowships* Ceylon 200  
For training in radiation health. A twelve-month fellowship (\$3600).

**5. Environmental Health**

*Fellowships (EPTA-II)* Ceylon 201  
A twelve-month fellowship in community water supplies (\$6800) and a twelve-month fellowship for post-graduate training of a sanitary engineer (\$6800).

**6. Education and Training**

*Medical Education* Ceylon 47  
To supplement the provision under the regular budget. A twelve-month and two six-month fellowships (\$8400).

## INDIA

**1. Bacterial Diseases**

*Production of Diphtheria/Pertussis/Tetanus Vaccine, Kasaulit* India 173

To supplement the provision under the regular budget. A consultant for six months (\$10 200).

**2. Parasitic Diseases**

*Grant Medical College, Bombay (Parasitology)* India 230

To assist in upgrading the Department of Parasitology of the Grant Medical College, Bombay. A consultant for three months (\$5100), three twelve-month fellowships (\$10 800).

**3. Virus Diseases**

(a) *National Trachoma Control Programme* India 101

To supplement the provision under the regular budget. Two six-month fellowships (\$4800).

(b) *Virological Techniques and Measles Vaccine Production* India 214

To supplement the provision under the regular budget. Two six-month fellowships (\$4800).

**4. Veterinary Public Health**

*Haffkine Institute, Bombay (Entomology)* India 229

To assist in upgrading the Department of Entomology. A consultant in zoonosis for three months (\$5100), two twelve-month fellowships, in helminthology and protozoology (\$7200).

**5. Public Health Administration**

(a) *Strengthening of Health Services (Epidemiology) (EPTA-II)* India 182

To supplement the provision under EPTA-I. A consultant (biostatistician) for six months and a consultant for four months (\$17 000), three twelve-month fellowships (\$10 800).

(b) *Strengthening of Laboratory Services* India 188

To supplement the provision under the regular budget. A consultant for six months (\$10 200), a twenty-four-month fellowship (\$6700).

(c) *National Institute of Health Administration and Education* India 218

To supplement the provision under the regular budget. A twelve-month fellowship (\$3600).

(d) *Fellowships (EPTA-II)* India 201

To train personnel in drug laboratory techniques. Four six-month fellowships (\$9600).

**6. Dental Health**

*Improvement of Dental Education (EPTA-II)* India 208

To supplement the provision under EPTA-I. Two twelve-month fellowships (\$7200).

**7. Nursing**

(a) *Post-basic Nursing Education* India 136

To supplement the provision under the regular budget. A nurse educator (\$13 651), two twelve-month fellowships (\$7200).

(b) *Nursing Administration (EPTA-II)* India 212

To supplement the provision under EPTA-I. A twelve-month fellowship (\$3600).

**8. Social and Occupational Health**

(a) *Medical Rehabilitation* India 194

To supplement the provision under the regular budget. Two twelve-month fellowships (\$7200).

(b) *Industrial and Occupational Health (EPTA-II)* India 197

To assist with a training course in industrial and occupational health in a specific industry. A consultant for three months (\$5100), a twelve-month fellowship (\$3600).

**9. Maternal and Child Health**

*Fellowships (EPTA-II)* India 201

To train senior paediatricians in teaching methods. Two three-month fellowships (\$4200).

**10. Nutrition**

*Applied Nutrition Programme* India 181

To supplement the provision under the regular budget. Two six-month fellowships (\$4800).

**11. Radiation and Isotopes**

*Course in Hospital Physics* India 232

To train hospital physicists, as recommended by the WHO consultant assigned in 1963 to the Department of Atomic Energy, Bombay. A consultant for two months (\$3400), stipends for twenty participants (\$8080).

**12. Environmental Health**

*Water Supply Programme (EPTA-II)* India 216

To advise on the feasibility and financial and managerial aspects of water supply and sewerage schemes. Two consultants, each for three months (\$10 200), two six-month fellowships (\$10 000), supplies and equipment (\$100).

**13. Education and Training**

(a) *Seminars and Workshops on Medical Education* India 221

To supplement the provision under the regular budget. A consultant for three months (\$5100).

(b) *Fellowships (EPTA-II)* India 201

Six twelve-month fellowships in various fields (\$21 600).

**14. Other Activities**

(a) *Drug Laboratory Techniques and Biological Standardization* India 222

To supplement the provision under the regular budget. A twelve-month fellowship (\$3600).

(b) *Registry of Pathology* India 228

To assist the Government to develop a central registry of pathology. A consultant for two months (\$3400), two six-month fellowships (\$4800), supplies and equipment (\$100).

(c) *Quality Control of Pharmaceutical Preparations and Vaccines* India 231

To assist in the standardization of biologicals, vaccines and sera. A consultant for three months (\$5100), two twelve-month fellowships (\$7200), supplies and equipment (\$100).

## INDONESIA

1. **Tuberculosis**  
*Tuberculosis Control* Indonesia 50  
To supplement the provision under the regular budget. Two twelve-month fellowships (\$7200).
2. **Radiation and Isotopes**  
*School for the Training of Technicians in Electro-medical Techniques* Indonesia 69  
To supplement the provision under the regular budget. A twelve-month fellowship (\$3600).
3. **Education and Training**  
*Medical Education* Indonesia 62  
To supplement the provision under the regular budget. A twelve-month fellowship (\$3600).

## MALDIVE ISLANDS

1. **Nursing**  
*Fellowships* Maldivian Islands 200  
A four-year fellowship (\$4000).
2. **Education and Training**  
*Fellowships* Maldivian Islands 200  
A twenty-four-month fellowship for undergraduate medical studies (\$5500).

## NEPAL

1. **Public Health Administration**  
*Health Laboratory Services (EPTA-II)* Nepal 10  
To supplement the provision under EPTA-I. A twelve-month fellowship (\$3600).
2. **Nursing**  
*Nursing Education (EPTA-II)* Nepal 2  
To supplement the provision under EPTA-I. A twenty-four-month fellowship (\$6700).
3. **Maternal and Child Health**  
*Maternal and Child Health Services and Training* Nepal 8  
To supplement the provision under the regular budget. A twelve-month fellowship (\$3600).

## THAILAND

1. **Public Health Administration**
  - (a) *Strengthening of Health Services (Integration of Specialized Programmes) (EPTA-II)* Thailand 2  
To supplement the provision under EPTA-I. A laboratory technician (\$8989).
  - (b) *Hospital Administration* Thailand 51  
To assist in improving the administration of the teaching hospital in the University of Medical Sciences. A consultant for six months (\$10 200).

2. **Nursing**

*Advisory Services (EPTA-II)* Thailand 21  
To supplement the provision under EPTA-I. A nursing adviser (\$10 833).

3. **Health Education**

*Fellowships* Thailand 200  
A twelve-month fellowship (\$6800).

4. **Mental Health**

*Mental Health Education and Services* Thailand 17  
To supplement the provision under the regular budget and to assist in strengthening the teaching of psychological medicine in medical colleges. A professor of psychiatry (\$15 932).

5. **Nutrition**

*Nutrition* Thailand 63  
To strengthen the Nutrition Department of the Ministry of Public Health and to help in developing laboratory, clinical and field nutrition work, including an expanded nutrition programme. A consultant for three months (\$5100).

6. **Education and Training**

*Medical Education* Thailand 62  
To assist in improving the teaching in the University of Medical Sciences. A consultant for three months (\$5100).

## INTER-COUNTRY PROGRAMMES

1. **Bacterial Diseases**

*Diphtheria/Pertussis/Tetanus Vaccine Production* SEARO 117  
To supplement the provision under the regular budget. A four-month fellowship (\$1200).

2. **Parasitic Diseases**

*Filariasis Epidemiology* SEARO 76  
To supplement the provision under the regular budget. A nine-month fellowship (\$3000).

3. **Virus Diseases**

*Seminar on Mosquito-borne Haemorrhagic Fever* SEARO 99.03  
To review and discuss development in mosquito-borne haemorrhagic fever and *Aedes aegypti* control in the countries of the Region since the first seminar on mosquito-borne haemorrhagic fever, held at Bangkok in October 1964. A consultant for four months (\$6800), three temporary advisers, each for two weeks (\$2400), attendance of fourteen participants for two weeks (\$7560).

4. **Veterinary Public Health**

*Inter-regional Seminar on Brucellosis* SEARO 127  
To supplement the provision in the regular budget (under Inter-regional 390). Attendance of four participants (\$3800).



**5. Public Health Administration**

(a) *Preparation of Annual Public Health Reports* SEARO 18

To assist countries in the Region in producing their annual public health reports. (Assistance was given to Burma in 1957 and to Afghanistan in 1959.) A medical adviser and a statistical assistant (\$26 823), supplies and equipment (\$1000).

(b) *Asian Institute for Economic Development and Planning* SEARO 102

To supplement the provision under the regular budget. Three consultants, each for three months (\$15 300), six fellowships (\$6000).

(c) *Senior Course on Health Laboratory Management* SEARO 106

To train staff in the management of large health laboratories. Attendance of five participants for four weeks (\$3750).

(d) *Urban Health Services (EPTA-II)* SEARO 111

To assist in solving health problems arising from rapid urbanization and industrialization. A consultant for eleven months (\$18 700), supplies and equipment (\$100).

(e) *Training in the Laboratory Diagnosis of Enterobacteriaceae* SEARO 118

To provide for training in the laboratory diagnosis of enterobacteriaceae. Fellowships (\$2490).

(f) *Training in Survey Techniques and Epidemiology in Developing Countries* SEARO 119

To improve epidemiological services. Fellowships (\$4150).

(g) *Training in the Methodology of National Programmes of Epidemiological Surveillance* SEARO 126

To assist governments in training epidemiologists and public health administrators in the basic principles of epidemiological surveillance of the major communicable diseases. Fellowships (\$4750).

**6. Nursing**

*Workshop in In-service Education* SEARO 116

To train nurses in the planning, organization and conduct of in-service education for nursing personnel. A consultant for six months (\$10 200), attendance of twenty-four participants for two weeks (\$10 200), supplies and equipment (\$1000).

**7. Nutrition**

*Nutrition Training* SEARO 97

To supplement the provision under the regular budget. Eight fellowships (\$9600).

**8. Radiation and Isotopes**

*Radiation Protection* SEARO 42

To advise on radiation protection, as a follow-up of the visits of a consultant in 1959-60 and 1963. A consultant for six months (\$10 200).

**9. Environmental Health**

*Seminar on Water Pollution Control* SEARO 132

To recommend ways and means of controlling water pollution. Two consultants, each for one month (\$3400), attendance of seventeen participants for one week (\$5440).

**10. Education and Training**

(a) *Medical Education (EPTA-II)* SEARO 96

To follow up the provision under EPTA-I in 1965 and to assist in improving teaching methods in medical colleges. Three consultants, each for three months (\$15 300).

(b) *Medical Education Team* SEARO 133

To supplement the provision under the regular budget. Three consultants, each for three months (\$15 300).

**EUROPE**

(See page 563)

**ALBANIA**

**1. Public Health Administration**

*Vaccine Production* Albania 6

To supplement the provision under the regular budget. Fellowships (\$2800), supplies and equipment (\$8000).

**2. Education and Training**

*Fellowships* Albania 200

Fellowships in various fields (\$7700).

**ALGERIA**

**1. Tuberculosis**

*Tuberculosis Control (EPTA-II)* Algeria 3

To supplement the provision under EPTA-I. A consultant (\$1700), fellowships (\$2000).

**2. Virus Diseases**

*Communicable Eye Disease Control (EPTA-II)* Algeria 1

To supplement the provision under EPTA-I. Fellowships (\$3200).

**3. Public Health Administration**

(a) *Public Health Laboratories (EPTA-II)* Algeria 11.9

To supplement the provision under EPTA-I. A consultant (\$3400).

(b) *Hospital Administration (EPTA-II)* Algeria 16

To supplement the provision under EPTA-I. A consultant (\$3400), fellowships (\$9800).

**4. Vital and Health Statistics**

*Epidemiology and Health Statistics (EPTA-II)* Algeria 11.6

To supplement the provision under EPTA-I. A consultant (\$1700), supplies and equipment (\$400).

**5. Nursing**

*Nursing Education (EPTA-II)* Algeria 14

To supplement the provision under EPTA-I. Fellowships (\$15 000).

**6. Social and Occupational Health**

*Rehabilitation (EPTA-II)* Algeria 6

To follow up the provision under EPTA-I in 1966. Fellowships (\$2000), supplies and equipment (\$2000).

**7. Health Education**

*Health Education* (EPTA-II) Algeria 11.4  
To supplement the provision under EPTA-I. Fellowships (\$2000), supplies and equipment (\$500).

**8. Maternal and Child Health**

*Maternal and Child Health* (EPTA-II) Algeria 12  
To supplement the provision under EPTA-I. Fellowships (\$6000).

**9. Nutrition**

*Advisory Services* Algeria 11.5  
To supplement the provision under the regular budget. A dietitian (\$13 500), fellowships (\$2000).

**10. Mental Health**

*Mental Health Services* Algeria 17  
To advise on long-term plans for the reorganization of the mental health services. A consultant (\$3400), a fellowship (\$1300).

**11. Environmental Health**

*Environmental Sanitation* (EPTA-II) Algeria 11.3  
To supplement the provision under EPTA-I. Fellowships (\$4000), supplies and equipment (\$500).

**12. Education and Training**

*Medical Education* (EPTA-II) Algeria 19  
To assist in the development of medical education. Fellowships (\$3700) and supplies and equipment (\$500).

**AUSTRIA****1. Vital and Health Statistics**

*Health Statistical Services* Austria 16  
To assist in developing the national health statistical services, particularly with respect to statistics of causes of death and of morbidity from chronic diseases. Fellowships (\$3200).

**2. Nursing**

*Nursing Education and Administration* Austria 15  
To follow up the provision under the regular budget in 1965. Fellowships (\$4000).

**GREECE****1. Public Health Administration**

*Development of Public Health Services and Training of Personnel* (EPTA-II) Greece 25  
To supplement the provision under EPTA-I. Consultants (\$6800), fellowships (\$6800), supplies and equipment (\$600).

**2. Nursing**

*Nursing Education and Administration* (EPTA-II) Greece 17  
To supplement the provision under EPTA-I. Fellowships (\$7600).

**3. Mental Health**

*Mental Health Services* Greece 20  
To advise on a pilot project for integrating mental health work in public health practice. A consultant (\$1700).

**4. Environmental Health**

*Environmental Sanitation* (EPTA-II) Greece 35  
To supplement the provision under EPTA-I. A consultant (\$1700).

**HUNGARY****Public Health Administration**

*Drug Control* Hungary 15  
Fellowships (\$2000).

**MALTA****1. Tuberculosis**

*Tuberculosis Control* (EPTA-II) Malta 1  
To assist in developing tuberculosis control services, particularly those for children. A consultant (\$1700) and fellowships (\$1200).

**2. Dental Health**

*Dental Health* Malta 11  
Fellowships (\$1600).

**3. Mental Health**

*Mental Health Services* (EPTA-II) Malta 7  
To supplement the provision under EPTA-I. A psychiatric nurse (\$12 700), a consultant (\$1700), fellowships (\$3700).

**4. Education and Training**

*Fellowships* (EPTA-II) Malta 201  
To train health personnel (\$8000).

**MOROCCO****1. Public Health Administration**

(a) *Food Hygiene* Morocco 32  
To supplement the provision under the regular budget. A consultant (\$2550), fellowships (\$1050), supplies and equipment (\$500).

(b) *Hospital Administration* Morocco 33  
To assist in training hospital administrators. Consultants (\$5100), fellowships (\$6600), supplies and equipment (\$500).

**2. Social and Occupational Health**

*Rehabilitation of the Physically Handicapped* (EPTA-II) Morocco 24  
To follow up the provision under EPTA-I in 1965. Fellowships (\$2000).

**3. Mental Health**

*Mental Health Services* Morocco 18  
 To assist the Government in developing its mental health services, principally through training psychiatric nursing personnel. Fellowships (\$4800).

**POLAND**

**Nursing**  
*Post-basic Nursing Education (EPTA-II)* Poland 25  
 To supplement the provision under EPTA-I. Fellowships (\$15 200).

**SPAIN**

**Nursing**  
*Nursing Education* Spain 19  
 To continue the assistance, started in 1960, in establishing a post-basic school of nursing and in preparing nurses for administrative and teaching posts. Fellowships (\$3800).

**TURKEY**

**1. Public Health Administration**  
*Public Health Laboratory Services* Turkey 40.7  
 To assist in the development of laboratory services. A consultant (\$1700), fellowships (\$2000), supplies and equipment (\$100).

**2. Vital and Health Statistics**  
*Health Statistical Services* Turkey 40.2  
 To supplement the provision under the regular budget. Fellowships (\$2000), supplies and equipment (\$400).

**3. Nursing**  
*Nursing Education* Turkey 29  
 To supplement the provision under the regular budget. Fellowships (\$7600), supplies and equipment (\$250).

**4. Mental Health**  
*Mental Health Services* Turkey 35  
 To advise on day hospitals for mental patients and to train psychiatric nurses. A consultant (\$1700), fellowships (\$4000).

**5. Environmental Health**  
*Environmental Health Services* Turkey 40.3  
 To supplement the provision under the regular budget. A consultant (\$1700).

**YUGOSLAVIA**

**Chronic and Degenerative Diseases**  
*Control of Malignant Diseases* Yugoslavia 40  
 To assist in developing cancer control services, particularly as regards facilities for early detection and treatment. Fellowships (\$3900).

**INTER-COUNTRY PROGRAMMES**

**1. Virus Diseases**  
*Course on the Epidemiological Surveillance of Communicable Diseases* EURO 387

To train twelve senior epidemiologists in charge of communicable disease prevention and control in the principles, methods and techniques of epidemiological surveillance. The course would last about two months and would be given in English. A consultant (\$1700), lecturers (\$1000), fellowships (\$7000), supplies and equipment (\$300).

**2. Public Health Administration**  
 (a) *Symposium on Methods of Estimating Medical and Paramedical Personnel Requirements* EURO 289

To analyse the methods used to estimate future requirements for medical and paramedical personnel, taking into account different patterns of services and their implications for staff training. A consultant (\$1700), attendance of participants (\$4600), temporary staff (\$5450), supplies and equipment (\$750).

(b) *Symposium on the Functions of Institutes of Hygiene or Public Health* EURO 340

To study the organization of central and regional institutes of hygiene or public health that are engaged in technical activities, training or research; to prepare organization policies suited to national needs and to examine the possibility of reorienting and modernizing existing institutes. Temporary advisers (\$1460), attendance of participants (\$7500), temporary staff (\$5420), supplies and equipment (\$750).

(c) *Conference of Directors of Municipal Hygiene and Public Health Services* EURO 388

To compare the administration of municipal hygiene and public health services in various countries and consider possible improvements. A consultant (\$1700), temporary advisers (\$2570), attendance of participants (\$7600), temporary staff (\$7880), supplies and equipment (\$750).

(d) *Seminar on Food Hygiene* EURO 389

To strengthen food hygiene legislation and food control services, particularly as regards the adaptation to European conditions of standards of hygiene for foodstuffs, and to promote the training of food hygiene personnel. A consultant (\$850), temporary advisers (\$1460), attendance of participants (\$4600), temporary staff (\$5420), supplies and equipment (\$750).

**3. Vital and Health Statistics**  
 (a) *Conference on the Health Statistical Work of Local Health Services* EURO 252

To discuss the statistical functions of regional and local health services and consider the influence on local health statistical practices of the rapid change in the epidemiological picture of the Region. Temporary advisers (\$1660), attendance of participants (\$8800), temporary staff (\$5420), supplies and equipment (\$750).

(b) *Symposium on the Application of Health Statistical Methods to Rural Areas (EPTA-II)* EURO 371

To discuss the experience gained in WHO-assisted programmes in Algeria, Greece, Morocco and Turkey, and to stimulate further interest in the development of health statistical methods suitable for rural areas without adequate medical services. Participants from certain countries in the Eastern Mediterranean

Region might also be invited. A consultant (\$1700), temporary advisers (\$730), attendance of participants (\$4200), temporary staff (\$5420) and supplies and equipment (\$650).

#### 4. Nursing

(a) *National Studies and Surveys in Nursing* EURO 291

To assist countries undertaking surveys of nursing needs and resources and studies designed to improve nursing education and practice and to help to train nurses in research methods. A consultant (\$1700), temporary advisers (\$2300), fellowships (\$5500), supplies and equipment (\$500).

(b) *Seminar on Advanced Nursing Education Programmes* EURO 342

To enable directors of post-basic nursing schools to discuss the development of programmes. A consultant (\$1700), temporary advisers (\$2570), attendance of participants (\$7600), temporary staff (\$7880), supplies and equipment (\$750).

#### 5. Social and Occupational Health

(a) *Symposium on Health Problems in Offices* EURO 293

To study the physiological and psychological problems relating to office environments. Temporary advisers (\$830), attendance of participants (\$4600), temporary staff (\$5420), supplies and equipment (\$750).

(b) *Study on the Health Status of Adolescents, with Special Reference to Rural Areas* EURO 396

To study the health problems of adolescents in rural areas, in view of indications that the health of adolescents in rural areas is less good than that of adolescents in cities. The study would follow up the meeting of the Expert Committee on Health Problems of Adolescence held in 1964. Consultants (\$5100).

#### 6. Chronic and Degenerative Diseases

(a) *Cancer Epidemiology* EURO 134.1

To train physicians in the epidemiology of cancer to enable them to carry out their own surveys. The training would be given in English, French and Russian respectively in three centres for medical statistics and epidemiology. Temporary advisers (\$500), fellowships (\$6500), supplies and equipment (\$500).

(b) *Symposium on Methods of Evaluating Treatment and After-care of Cancer Patients* EURO 392

To discuss methods of evaluating the results of treatment and after-care of cancer patients. The symposium would follow up the meeting of the Expert Committee on Cancer Treatment. A consultant (\$1700), temporary advisers (\$1560), attendance of participants (\$4600), temporary staff (\$5420), supplies and equipment (\$750).

#### 7. Health Education

*National Courses in Health Education for Doctors* EURO 331

To assist with national courses in health education for doctors. Lecturers (\$2000), fellowships (\$2500).

#### 8. Mental Health

(a) *Study of Child and Family Guidance Centres in Europe* EURO 103.3

To study new forms of out-patient centres for children and

families, so as to provide material for a revision of the WHO monograph on child guidance centres. A consultant (\$3400).

(b) *Seminar on Public Health Practice and the Prevention of Mental Illness* EURO 278.2

To consider measures for the prevention of certain groups of mental disorders, and the role of public health workers, including public health nurses, in applying them. A consultant (\$1700), temporary advisers (\$2570), attendance of participants (\$7600), temporary staff (\$7880), supplies and equipment (\$750).

#### 9. Nutrition

*Seminar on Nutrition in Public Health (EPTA-II)* EURO 315

To prepare for a seminar on nutrition in public health for countries of the Mediterranean area. A consultant for four months (\$6800).

#### 10. Environmental Health

(a) *Seminar for Sanitary Engineers* EURO 9.10

To discuss problems connected with water supply, water pollution, air pollution and the training of personnel, and to consider the significance of environmental pollution in rapidly developing countries. A consultant (\$1700), temporary advisers (\$2570), attendance of participants (\$7600), temporary staff (\$7880), supplies and equipment (\$750).

(b) *Standards of Quality for Drinking-Water* EURO 66.4

To make a preliminary study with a view to determining the need for a revision of *European Standards for Drinking-Water*.<sup>1</sup> A consultant (\$1700).

(c) *Symposium on Health Problems created by Noise* EURO 263.2

To consider the factors involved and discuss how to promote international collaboration for noise abatement. A consultant (\$1700), temporary advisers (\$830), attendance of participants (\$4600), temporary staff (\$5420), supplies and equipment (\$750).

(d) *Study on the Training of Sanitary Inspection Personnel* EURO 312

To provide a pattern for the training of supervisory personnel in sanitary inspection services. The study would follow up the conclusions of the Symposium on Sanitary Inspection Services held in 1964. A consultant (\$5100).

(e) *Community Water Supply Survey (EPTA-II)* EURO 372

To survey existing water supply conditions in certain countries of the Region and appraise the development that has taken place in recent years, with a view to stimulating further work in this field. A consultant (\$3400).

#### 11. Education and Training

(a) *Meetings of Representatives of Public Health Schools* EURO 373

To enable members of the staff of schools of public health to discuss common problems. Participants would pay their own travelling expenses but funds would be required to meet the cost of interpretation. Temporary staff (\$3600).

<sup>1</sup> World Health Organization (1961) *European standards for drinking-water*, Geneva.

(b) *Symposium on the Place of Psychology and Social Sciences in Medical Education* EURO 386

To enable specialists in the psycho-social or behavioural sciences (including psychology, sociology and social anthropology) and leading medical educators, to discuss the extent to which the psycho-social sciences can be included in the medical curriculum. A consultant (\$1700), temporary advisers (\$1560), attendance of participants (\$5600), temporary staff (\$5420), supplies and equipment (\$750).

(c) *Conference on the Hospital as a Teaching Centre* EURO 394

To enable medical educators and hospital administrators to discuss requirements of hospitals that are used for teaching. A consultant (\$1700), temporary advisers (\$2570), attendance of participants (\$13 000), temporary staff (\$7880), supplies and equipment (\$750).

(d) *Course in Medical Pedagogy (English language)* EURO 395

To instruct medical teachers in the latest advances in educational psychology and teaching methods, enable them to visit medical teaching centres where new curricula have been introduced and help them to arrange similar courses in their own countries. The course would be in English and would last six weeks. Lecturers (\$2000), fellowships (\$12 000).

12. Other Activities

*Course in Medical Librarianship (French language)* EURO 349

To provide training in medical librarianship to personnel from countries in southern Europe. The course would be given in French and would last one month. Lecturers (\$2000), fellowships (\$6000).

EASTERN MEDITERRANEAN

(See page 565)

CYPRUS

Education and Training

*Fellowships (EPTA-II)* Cyprus 201  
Three fellowships for undergraduate medical studies (\$46 800).

ETHIOPIA

1. Tuberculosis

*Tuberculosis Control (EPTA-II)* Ethiopia 6  
To supplement the provision under EPTA-I. A fellowship (\$4800).

2. Parasitic Diseases

*Bilharziasis Control (EPTA-II)* Ethiopia 24  
To supplement the provision under EPTA-I. Fellowships for a laboratory technician and a malacologist (\$8000).

3. Virus Diseases

*Communicable Eye Disease Control* Ethiopia 16  
To supplement the provision under the regular budget. A consultant for two months (\$3400).

4. Radiation and Isotopes

*Fellowships* Ethiopia 200  
To train personnel in radiation protection. Two fellowships (\$7000).

5. Environmental Health

*Environmental Health Services* Ethiopia 36  
To supplement the provision under EPTA-I. Two fellowships (\$8000).

6. Education and Training

*Fellowships (EPTA-II)* Ethiopia 201  
Three fellowships for undergraduate medical studies (\$30 000).

IRAN

1. Nursing

*Nursing Education, Red Lion and Sun School of Nursing, Rey (EPTA-II)* Iran 37  
To follow up the provision under EPTA-I in 1966. Six fellowships (\$21 600).

2. Social and Occupational Health

*Industrial and Occupational Health (EPTA-II)* Iran 30  
To supplement the provision under EPTA-I. A medical officer (\$14 753).

3. Education and Training

*Fellowships (EPTA-II)* Iran 201  
Six fellowships in various fields (\$20 000).

ISRAEL

1. Public Health Administration

*Public Health Laboratory Services* Israel 18  
To follow up the progress made in the public health laboratory services since the visit of a WHO consultant in 1957; and to assess such services in the southern part of the country. A consultant for three months (\$5100).

2. Maternal and Child Health

*Maternal and Child Health Services* Israel 39  
To assist in evaluating the maternal and child health services. A consultant for three months (\$5100).

JORDAN	PAKISTAN
<b>1. Virus Diseases</b>	<b>1. Virus Diseases</b>
<i>Communicable Eye Disease Control</i> (EPTA-II) Jordan 11 To supplement the provision under EPTA-I. A fellowship (\$4800).	<i>Communicable Eye Disease Control</i> (EPTA-II) Pakistan 40 To follow up the provision under EPTA-I in 1966. Two fellowships (\$9600).
<b>2. Public Health Administration</b>	<b>2. Public Health Administration</b>
<i>Fellowships</i> (EPTA-II) Jordan 201 Two fellowships (\$6000).	(a) <i>National Health Laboratories, Islamabad</i> Pakistan 48 To supplement the provision under the regular budget. A consultant for four months (\$6800).
<b>3. Nursing</b>	(b) <i>Advisory Services in Epidemiology and Health Statistics</i> Pakistan 64 To follow up the provision under the regular budget in 1966. An epidemiologist (\$15 149), supplies and equipment (\$1000).
<i>Nursing Education</i> (EPTA-II) Jordan 2 To supplement the provision under EPTA-I. Four fellowships (\$19 200), supplies and equipment (\$500).	<b>3. Vital and Health Statistics</b>
<b>4. Education and Training</b>	<i>Hospital and Health Centre Statistics</i> (EPTA-II) Pakistan 57 To supplement the provision under EPTA-I. A fellowship (\$4800).
<i>Health Training Institute</i> Jordan 33 To supplement the provision under the regular budget. A medical officer (\$14 357), supplies and equipment (\$500).	<b>4. Nursing</b>
<b>KUWAIT</b>	<i>Nursing Education, West Pakistan</i> (EPTA-II) Pakistan 44 To follow up the provision under EPTA-I in 1965. Two fellowships (\$9600).
<b>Environmental Health</b>	<b>5. Health Education</b>
<i>Establishment of Insecticide Plant</i> Kuwait 12 To assist in establishing a plant for the manufacture of insecticides. A consultant for three months (\$5100).	<i>Advisory Services</i> Pakistan 56 To assist in co-ordinating health education at various levels and in training health education workers. A consultant for six months (\$10 200).
<b>LEBANON</b>	<b>6. Maternal and Child Health</b>
<b>1. Nursing</b>	<i>Fellowships</i> Pakistan 200 A fellowship (\$4000).
<i>Nursing Education</i> Lebanon 10 To follow up the provision under the regular budget in 1966. A consultant for three months (\$5100), supplies and equipment (\$200).	<b>7. Radiation and Isotopes</b>
<b>2. Environmental Health</b>	<i>Fellowships</i> Pakistan 200 Two fellowships (\$7000).
<i>Environmental Health</i> (EPTA-II) Lebanon 17 To follow up the provision under EPTA-I in 1966. A sanitarian tutor for six months (\$5500).	<b>8. Education and Training</b>
<b>LIBYA</b>	(a) <i>Institute of Hygiene, Lahore</i> Pakistan 11 To follow up the provision under the regular budget in 1966. Two consultants, each for six months (\$20 400), fellowships (\$6000) supplies and equipment (\$1000).
<b>1. Health Education</b>	(b) <i>Post-graduate Medicine and Research, Dacca</i> Pakistan 61 To assist with post-graduate training in medicine and allied subjects at Dacca, East Pakistan. A professor (\$15 149), two consultants—one for three months, one for two months (\$8500), fellowships (\$6000), supplies and equipment (\$1000).
<i>Health Education Services</i> Libya 25 To supplement the provision under the regular budget. A health educator (\$15 149).	(c) <i>Fellowships</i> (EPTA-II) Pakistan 201 Fellowships in various fields (\$20 000).
<b>2. Education and Training</b>	
<i>Fellowships</i> (EPTA-II) Libya 201 Eight fellowships in undergraduate medicine and allied fields (\$60 000).	

**QATAR**

**Education and Training**

*Fellowships* Qatar 200  
Fellowships in various fields (\$8000).

**SOMALIA**

**1. Malaria**

*Pre-eradication Programme (EPTA-II)* Somalia 2  
To supplement the provision under the regular budget and EPTA-I. Two fellowships (\$10 000).

**2. Tuberculosis**

*Tuberculosis Control (EPTA-II)* Somalia 11  
To supplement the provision under EPTA-I. A public health nurse (\$10 700), fellowships (\$3800).

**3. Public Health Administration**

*Basic Health Services* Somalia 13  
To supplement the provision under EPTA-I. A public health nurse (\$10 900).

**4. Nursing**

*Nursing Education (EPTA-II)* Somalia 15  
To supplement the provision under EPTA-I. Four fellowships (\$19 200).

**5. Health Education**

*Advisory Services* Somalia 24  
To assist in developing health education services and in providing health education training for auxiliary health personnel. A consultant for six months (\$10 200).

**6. Environmental Health**

*Environmental Health Services* Somalia 18  
To supplement the provision under the regular budget. A sanitary engineer (\$15 149).

**7. Education and Training**

(a) *Training of Health Personnel* Somalia 8  
To supplement the provision under the regular budget. A public health nurse (\$10 900).

(b) *Fellowships (EPTA-II)* Somalia 201  
Six fellowships for undergraduate medical studies (\$26 000).

**8. Other Activities**

*Management of Pharmacy and Medical Stores (EPTA-II)* Somalia 21  
To follow up the provision under EPTA-I in 1965. A medical technician (\$13 245).

**SUDAN**

**1. Venereal Diseases and Treponematoses**

*Venereal Disease Control (EPTA-II)* Sudan 16  
To assist with a mass campaign in endemic areas. A consultant for one month (\$1700), supplies and equipment (\$10 000).

**2. Parasitic Diseases**

*Bilharziasis Control Training Centre (EPTA-II)* Sudan 5  
To supplement the provision under the regular budget. An epidemiologist and a malacologist (\$27 922), fellowships (\$14 400), supplies and equipment (\$2000).

**3. Chronic and Degenerative Diseases**

*Cancer Control* Sudan 30  
To supplement the provision under the regular budget. A radiotherapist (\$13 961).

**4. Nutrition**

*Nutrition Division, Khartoum* Sudan 20  
To supplement the provision under the regular budget. A fellowship (\$4800).

**SYRIA**

**1. Parasitic Diseases**

*Ancylostomiasis Control (EPTA-II)* Syria 22  
To assist the Government in intensifying its campaign to control and prevent the further spread of ancylostomiasis. A consultant for six months (\$10 200).

**2. Mental Health**

*Mental Health Services* Syria 40  
To make a study of mental hospital services, in order to introduce occupational therapy into the treatment of the mentally sick and disabled. A consultant for six months (\$10 200), fellowships (\$5000).

**3. Education and Training**

*Medical School, Aleppo (EPTA-II)* Syria 47  
To supplement the provision under EPTA-I. A visiting professor for twelve months and a consultant (\$29 261), supplies and equipment (\$1000).

**4. Other Activities**

*Pharmaceutical Services (EPTA-II)* Syria 35  
To assist in organizing and co-ordinating services for the procurement, storage and distribution of pharmaceutical and biological supplies. A consultant for six months (\$10 200).

**TUNISIA**

**1. Nursing**

*Nursing Education (EPTA-II)* Tunisia 34  
To supplement the provision under EPTA-I. Two twelve-month fellowships (\$9600).

**2. Education and Training**

(a) *Medical Education* (EPTA-II) Tunisia 27

To supplement the provision under the regular budget. Three fellowships (\$14 400).

(b) *Fellowships* (EPTA-II) Tunisia 201

Four fellowships in various fields (\$19 200).

## UNITED ARAB REPUBLIC

**1. Virus Diseases**

(a) *Poliomyelitis Physical Therapy Institute, University of Alexandria* United Arab Republic 32

To assist the poliomyelitis physical therapy institute of the University of Alexandria. A physical therapist (\$10 348).

(b) *Virology Research Laboratory* (EPTA-II) United Arab Republic 37

To supplement the provision under the regular budget. A fellowship in virology research (\$4800).

**2. Environmental Health**

*Sanitary Engineering Research* (EPTA-II) United Arab Republic 38

To supplement the provision under EPTA-I. A consultant for three months (\$5100), five fellowships (\$7500).

**3. Education and Training**

*Fellowships* (EPTA-II) United Arab Republic 201

Fellowships in various fields (\$20 000).

## YEMEN

**Tuberculosis**

*Tuberculosis Control* Yemen 6

To assist in carrying out a BCG campaign in Sana'a and in extending it to the whole country, and to investigate the feasibility of integrating tuberculosis services into the general public health services. A medical officer, a statistician and a public health nurse (\$38 378), a consultant for three months (\$5100), fellowships (\$3500), supplies and equipment (\$1000).

## INTER-COUNTRY PROGRAMMES

**1. Vital and Health Statistics**

*Course for Health Statisticians* EMRO 106

To assist in training persons who will have responsibility for various branches of health statistics at national or provincial level in countries where adequate training facilities are not available. Fellowships (\$20 000).

**2. Dental Health**

*Dental Health* EMRO 23

To follow up the provision under the regular budget in 1966. A consultant for three months (\$5100).

**3. Nursing**

*Training in Nursing Administration* EMRO 116

To assist with seminars and other meetings on nursing administration. Two consultants (\$10 200), supplies and equipment (\$400).

**4. Chronic and Degenerative Diseases**

*Seminar on Cancer Control (Epidemiology and Prevention)* (EPTA-II) EMRO 103

To discuss the epidemiology of cancer and the early detection of cases, so as to evaluate the present position and plan future action at regional level. There would be about twenty-five participants, including pathologists, surgeons, radiotherapists and health administrators. Consultants (\$6800), attendance of participants (\$25 000).

**5. Health Education**

*Advisory Services* EMRO 26

To advise countries on health education. A consultant for six months (\$10 200).

**6. Mental Health**

(a) *Training of Psychiatric Nurses* EMRO 63.02

To follow up the provision under the regular budget in 1966. Fellowships (\$10 000).

(b) *Conference on Mental Health Services in Public Health Planning* EMRO 112

To enable mental health experts and public health administrators from about twelve countries to discuss the development of mental health services. The conference would last about two weeks. Consultants (\$5100), attendance of participants (\$19 600), supplies and equipment (\$300).

**7. Environmental Health**

*Survey of Vectors of Haemorrhagic Fever* EMRO 121

To assist with a survey of the distribution and susceptibility to insecticides of the vectors of haemorrhagic fever and to advise on control methods. A consultant for six months (\$6800), supplies and equipment (\$500).

**8. Education and Training**

(a) *Training of Librarians* EMRO 55.02

To follow up the provision under the regular budget in 1966 by training medical librarians for medical schools. A consultant for two months (\$3400), fellowships (\$12 000).

(b) *Travelling Seminar on Auxiliary Training* (EPTA-II) EMRO 102

To enable personnel from various countries to observe projects in operation for the training of auxiliary health personnel. The seminar, which would last four weeks, would follow up the inter-regional conference on the same subject held in Khartoum in 1961. Attendance of participants (\$20 800).



## WESTERN PACIFIC

(See page 566)

## CAMBODIA

## 1. Tuberculosis

*Tuberculosis Control* Cambodia 7

To supplement the provision under the regular budget. Four twelve-month fellowships (\$16 000).

## 2. Venereal Diseases and Treponematoses

*Fellowships* Cambodia 200

A six-week fellowship in venereal disease control (\$1500).

## 3. Public Health Administration

(a) *Medical Supply Service* Cambodia 21

To assist in developing an organization for the procurement, storage and distribution of medical supplies. A medical supply officer (\$16 100), a twelve-month fellowship (\$4000), supplies and equipment (\$500).

(b) *Fellowships* Cambodia 200

Three twelve-month fellowships in public health administration (\$12 000).

## 4. Nursing

*Nursing Education and Administration* Cambodia 13

To supplement the provision under the regular budget. Seventeen twelve-month fellowships (\$74 000).

## 5. Nutrition

*Nutrition Training* Cambodia 20

To supplement the provision under the regular budget. A twelve-month fellowship (\$7000).

## 6. Other Activities

*Fellowships* Cambodia 200

A twelve-month fellowship in electro-radiology (\$4000).

## CHINA

## 1. Tuberculosis

*Fellowships* China 200

Three twelve-month fellowships—one in the public health aspects of tuberculosis and two in tuberculosis nursing (\$14 600).

## 2. Venereal Diseases and Treponematoses

*Venereal Disease Control* China 1

To evaluate the venereal disease control project, started in August 1953 with the assistance of WHO, UNICEF and the Sino-American Joint Commission on Rural Reconstruction which has been extended to the whole of Taiwan. A consultant for three months (\$5100) and a six-month fellowship for a public health nurse (\$2000).

## 3. Virus Diseases

(a) *Trachoma Control* China 34

To supplement the provision under the regular budget. Two six-month fellowships (\$5200).

(b) *Smallpox Vaccine Production* China 51

To follow up the provision under the regular budget in 1965 by further assistance in the production of freeze-dried smallpox vaccine. A consultant for three weeks (\$1500), fellowships (\$3000).

## 4. Public Health Administration

(a) *Hospital Administration* China 54

To establish a hospital administrative management pattern, to advise on the standardization of hospital equipment and to plan training courses for hospital staff. A hospital administrator for twelve months (\$15 000).

(b) *Fellowships* China 200

Four twelve-month fellowships—two in public health administration (\$14 000), one in hospital administration (\$3600) and one in public health administration with emphasis on venereal disease control (\$4000).

## 5. Dental Health

*Fellowships* China 200

A twelve-month fellowship for the training of a dental nurse (\$2500).

## 6. Nursing

*Fellowships* China 200

A twelve-month fellowship for a public health nurse (\$7000).

## 7. Health Education

*Advisory Services* China 48

To follow up the provision under the regular budget in 1966 by assistance in planning a national health education programme. A health educator for twelve months (\$15 000).

## 8. Mental Health

*Mental Health Programme* China 20

To supplement the provision under the regular budget. Two two-year fellowships—one in clinical psychology and the other in psychiatric social work (\$24 000).

## 9. Environmental Health

*Fellowships* China 200

Two six-month fellowships to enable engineers of the Taipei drainage and sewerage corps to obtain practical training in urban sewerage design, construction, operation and maintenance (\$9000).

## 10. Education and Training

*Institute of Public Health* China 27

To supplement the provision under the regular budget. A twelve-month fellowship in public health nursing (\$7000), an eighteen-month fellowship in health education (\$9400) and three fellowships for senior staff of the Institute (\$6600).

- FIJI**
- Public Health Administration**
- Fellowships* Fiji 200  
A three-month fellowship to enable a senior member of the national health administration to observe the latest trends in public health (\$2600).
- GILBERT AND ELLICE ISLANDS**
- Nursing**
- Nursing Education (EPTA-II)* Gilbert and Ellice Islands 4  
To supplement the provision under EPTA-I. A nurse educator (public health nurse/midwife) (\$13 075).
- JAPAN**
- Social and Occupational Health**
- Fellowships* Japan 200  
A fellowship to study the administration and operation of schools of occupational therapy (\$2200).
- LAOS**
- 1. Health Education**
- Fellowships* Laos 200  
A twelve-month fellowship (\$7000).
- 2. Maternal and Child Health**
- Maternal and Child Health Services* Laos 6  
To supplement the provision under the regular budget. A twelve-month fellowship (\$7000), supplies and equipment (\$1000).
- MACAO**
- Education and Training**
- Fellowships* Macao 200  
A six-month fellowship in facial surgery (\$2800).
- MALAYSIA**
- 1. Public Health Administration**
- (a) *Strengthening of Rural Health Services and Training of Health Personnel, Malaya, Sabah and Sarawak* Malaysia 35  
To supplement the provision under the regular budget. Two twelve-month fellowships in public health nursing/midwifery (one each for Sabah and Sarawak) (\$6000) and two fellowships in rural health (Sabah) (\$2400).
- (b) *Hospital Administration, Malaya* Malaysia 67  
To advise on the establishment of medical libraries in hospitals. A consultant for four months (\$6800).
- (c) *Fellowships, Malaya* Malaysia 200  
Three fellowships for chief health officers and a six-month fellowship in public health administration (\$8400).
- 2. Health Education**
- Advisory Services, Malaya* Malaysia 30  
To supplement the provision under the regular budget. Two fellowships—one of fifteen months and one of twelve months (\$15 950).
- 3. Mental Health**
- Advisory Services, Malaya* Malaysia 65  
To assess the progress in mental health since the visit of a WHO consultant in 1962 and to advise on further planning. A consultant for three months (\$5100).
- 4. Environmental Health**
- Advisory Services, Sabah and Sarawak* Malaysia 41  
To supplement the provision under the regular budget. A twelve-month fellowship in public health engineering (\$7000).
- 5. Education and Training**
- (a) *University of Malaya* Malaysia 40  
To supplement the provision under the regular budget. Two two-year fellowships—one in biostatistics and one in preventive medicine (\$24 000).
- (b) *Fellowships, Malaya* Malaysia 200  
A fellowship for study of epidemiology, health statistics and medical and health records (\$3700).
- NEW ZEALAND**
- Nursing**
- Fellowships* New Zealand 200  
A fellowship in nursing education (\$3700).
- PAPUA AND NEW GUINEA**
- Environmental Health**
- Fellowships* Papua and New Guinea 200  
A six-month fellowship (\$2800).
- PHILIPPINES**
- 1. Tuberculosis**
- Tuberculosis Control* Philippines 69  
To supplement the provision under the regular budget. A consultant for six months (\$10 200), three fellowships for public health nurses and seven fellowships for medical officers (\$43 900).
- 2. Parasitic Diseases**
- Filariasis Control* Philippines 94  
To assist in planning and implementing a filariasis control programme and in training personnel. A consultant for six months (\$10 200), two six-month fellowships (\$5600).

**3. Public Health Administration**

(a) *Hospital Administration* Philippines 77  
A consultant for nine months to assist with the hospital administration programme at the Institute of Hygiene (\$15 300).

(b) *Demonstration and Training Centre* Philippines 88  
To supplement the provision under the regular budget. A twelve-month fellowship (\$4000).

(c) *National Seminar on Urban Health Administration* Philippines 95

To acquaint city health officers with recent trends in urban health administration, particularly as regards programme planning and management and methods employed in public health practice. The seminar would follow up the national seminar on public health administration for provincial health officers held in 1965. Three consultants, each for two months (\$10 200), supplies and equipment (\$500).

(d) *Fellowships* Philippines 200

Six twelve-month fellowships—one in urban and rural health services (\$7000), one in rural health services (\$7000), one in public health administration and epidemiology (\$7000), one in veterinary public health (\$7000) and two in public health with emphasis on epidemiology (\$14 000).

**4. Vital and Health Statistics**

*Fellowships* Philippines 200  
A twelve-month fellowship in health statistics (\$7000).

**5. Nursing**

*Fellowships* Philippines 200  
Three twelve-month fellowships—one in public health nursing, one in nursing education and one in paediatrics (\$21 000).

**6. Social and Occupational Health**

*School for Handicapped Children, Manila* Philippines 96  
A consultant for six months to assist in the establishment of a school for handicapped children in Manila (\$10 200).

**7. Maternal and Child Health**

*Social Paediatrics* Philippines 75  
To supplement the provision under the regular budget. A six-month fellowship for a medico-social worker (\$4500) and two six-month fellowships in maternal and child health (\$9000).

**8. Mental Health**

*Advisory Services* Philippines 4  
To supplement the provision under the regular budget. An epidemiologist (\$17 900), four consultants, each for six months (\$40 800), twelve twelve-month fellowships in clinical psychology (\$84 000), supplies and equipment (\$33 500).

**9. Environmental Health**

*Environmental Sanitation Training* Philippines 51  
To follow up the provision under the regular budget in 1966. Four six-month fellowships for sanitarians (\$18 000).

**10. Education and Training**

(a) *Institute of Hygiene, University of the Philippines (EPTA-II)* Philippines 91  
To supplement the provision under EPTA-I. A visiting professor (\$18 150), a consultant for nine months (\$15 300).

(b) *Fellowships* Philippines 200  
Five twelve-month fellowships—one in basic medical sciences (\$7000), one in orthopaedic surgery (bone cancer) (\$7000), one in rehabilitation of leprosy patients (\$7000), one in cardiovascular surgery (\$7000) and one in dermatology (\$7000).

**REPUBLIC OF KOREA****1. Tuberculosis**

*Fellowships* Korea 200  
Ten fellowships in various aspects of tuberculosis control (\$31 800).

**2. Venereal Diseases and Treponematoses**

*Fellowships* Korea 200  
A six-month fellowship (\$4500).

**3. Public Health Administration**

*Fellowships* Korea 200  
Eight fellowships—five for observation tours in the Region, one of six months in health insurance, and two of twelve months in hospital administration (\$29 500).

**4. Dental Health**

*Fellowships* Korea 200  
A twelve-month fellowship (\$7000).

**5. Social and Occupational Health**

*Fellowships* Korea 200  
A six-month fellowship for the study of industrial and occupational health (\$1800).

**6. Health Education**

*Fellowships* Korea 200  
Four fellowships (\$5400).

**7. Maternal and Child Health**

*Maternal and Child Health Services* Korea 3  
To supplement the provision under the regular budget. Seven fellowships (\$11 700).

**8. Environmental Health**

*Fellowships* Korea 200  
A twelve-month fellowship in environmental sanitation (\$4000).

**9. Education and Training**

(a) *National Institute of Health* Korea 15  
To supplement the provision under the regular budget. A twelve-month fellowship in health education (\$7000) and two fellowships to study local health services in the Region (\$4400).

(b) *School of Public Health, Seoul National University* Korea 27  
To supplement the provision under the regular budget. An epidemiologist (\$15 000).

(c) *Fellowships* Korea 200  
A six-month fellowship for the study of quarantine services (\$1800).

#### 10. Other Activities

(a) *International Quarantine* Korea 28  
To advise on the organization of quarantine services. A consultant (\$1275).

(b) *Fellowships* Korea 200  
Four twelve-month fellowships, three to study the planning and operation of drug control programmes and one in production of biologicals (\$28 000).

#### SINGAPORE

##### 1. Tuberculosis

*Fellowships* Singapore 200  
A six month fellowship in tuberculosis laboratory methods for a medical officer of the tuberculosis control unit (\$2800).

##### 2. Public Health Administration

*Fellowships* Singapore 200  
Two six-month fellowships (\$3600).

##### 3. Nursing

*Nursing Administration and Practice* Singapore 4  
To supplement the provision under the regular budget. A twelve-month fellowship in nursing administration and two six-month fellowships in nursing education (\$16 000).

##### 4. Chronic and Degenerative Diseases

*Fellowships* Singapore 200  
Three six-month fellowships—one in cancer control and two in chronic and degenerative diseases (\$13 500).

##### 5. Health Education

*Advisory Services* Singapore 12  
To supplement the provision under the regular budget. A twelve-month fellowship (\$7000).

##### 6. Maternal and Child Health

*Fellowships* Singapore 200  
A twelve-month fellowship in child health (\$4000).

##### 7. Education and Training

(a) *University of Singapore* Singapore 11  
To supplement the provision under the regular budget. A lecturer in preventive medicine (\$15 254), a consultant for six months to assist in conducting a post-graduate course in genetics (\$10 200), a two-year fellowship in preventive medicine (\$12 000).

(b) *Fellowships* Singapore 200  
A twelve-month fellowship in electro-encephalography and electromyography (\$4000).

#### 8. Other Activities

*Fellowships* Singapore 200  
A six-month fellowship in pharmaceutical manufacture and technology (\$4500).

#### TIMOR

##### Nursing

*Fellowships* Timor 200  
A twelve-month fellowship in public health nursing (\$7000).

#### VIET-NAM

##### 1. Venereal Diseases and Treponematoses

*Venereal Disease Control* Viet-Nam 26  
To supplement the provision under the regular budget. Two fellowships (\$5000), supplies and equipment (\$2000).

##### 2. Public Health Administration

(a) *Hospital Administration* Viet-Nam 15  
To supplement the provision under the regular budget. A twelve-month fellowship (\$4000).

(b) *Health Laboratory Services* Viet-Nam 18  
To supplement the provision under the regular budget. A twelve-month fellowship (\$4000).

(c) *Public Health Demonstration Centre* Viet-Nam 32  
To supplement the provision under the regular budget. A health educator (\$12 247).

##### 3. Vital and Health Statistics

*Fellowships* Viet-Nam 200  
A twelve-month fellowship (\$4000).

##### 4. Health Education

*Advisory Services* Viet-Nam 20  
To assist the Government in planning and organizing a health education programme and in determining the qualifications and training needed by health educators and the functions they should perform. A consultant for six months (\$10 200), a twelve-month fellowship (\$4000).

##### 5. Mental Health

*Advisory Services* Viet-Nam 19  
To supplement the provision under the regular budget. A mental health specialist (\$16 000), a twelve-month fellowship (\$4000).

##### 6. Environmental Health

*Advisory Services* Viet-Nam 33  
To supplement the provision under the regular budget. A twelve-month fellowship (\$7000).

**7. Education and Training**

*Fellowships* Viet-Nam 200  
Two fellowships for the study of quarantine and rodent control (\$5000).

**WESTERN SAMOA**

**1. Tuberculosis**

*Tuberculosis Control* Western Samoa 3  
To supplement the provision under the regular budget, Supplies and equipment (\$4700).

**2. Parasitic Diseases**

*Filariasis Control* Western Samoa 7  
To supplement the provision under the regular budget. Supplies and equipment (\$2000).

**3. Public Health Administration**

*Public Health Laboratory Services* Western Samoa 13  
To supplement the provision under the regular budget. Supplies and equipment (\$1000).

**INTER-COUNTRY PROGRAMMES**

**Chronic and Degenerative Diseases**

*Seminar on the Prevention and Control of Cardiovascular Diseases due to Infections, particularly Rheumatic Heart Disease* WPRO 142  
To discuss the various aspects of the prevention and control of cardiovascular diseases due to infections, particularly rheumatic heart disease. The seminar would last one week. Three consultants (\$10 200), attendance of participants (\$15 500), supplies and equipment (\$1000).

**INTER-REGIONAL ACTIVITIES**

(See page 568)

**1. Venereal Diseases and Treponematoses**

(a) *Seminar on Venereal Disease Control, South-East Asia and Western Pacific* (EPTA-II) Inter-regional 173  
To review the status of venereal disease control in developing countries and discuss the co-ordination of control procedures. The seminar, which would last six days, would be held in Bangkok. A consultant (\$1700); attendance of participants (\$15 000); supplies and equipment (\$1000); supporting services (\$3300).

(b) *Seminar on Venereal Disease Control, Africa and Eastern Mediterranean* (EPTA-II) Inter-regional 325  
To review the trends in venereal disease prevalence as affected by modifications in the social structure and the decrease in non-venereal treponematoses; and to discuss various control measures, including case-finding and epidemiological surveillance methods and legislation. A consultant (\$1700); attendance of participants (\$22 900); supplies and equipment (\$5400); supporting services (\$2000).

**2. Bacterial Diseases**

*Seminar on Cerebrospinal Meningitis Control* Inter-regional 408  
To enable epidemiologists and public health administrators engaged in communicable disease control to discuss the epidemiology, diagnosis, prevention and control of cerebrospinal meningitis. Consultants (\$3400); attendance of participants (\$8200).

**3. Parasitic Diseases**

(a) *Dracontiasis Control Team* (EPTA-II) Inter-regional 159  
To make an epidemiological survey of dracontiasis in endemic areas of Asia and Africa, study the ecology of the intermediate host, and advise on economical methods of controlling the disease. A medical epidemiologist, a biologist and a sanitary engineer (\$62 870); supplies and equipment (\$3000).

(b) *Bilharziasis Training* (EPTA-II) Inter-regional 201  
A special three-week course on methods of application of molluscicides for snail control. Fellowships (\$15 000); supporting services (\$7000); supplies and equipment (\$3000).

(c) *Training in Snail Control* (EPTA-II) Inter-regional 229  
A course aimed at overcoming the failures due to faulty application of molluscicides and lack of correct evaluation procedures. Consultants (\$5100); attendance of participants (\$14 000); supporting services (\$2900); supplies and equipment (\$1000).

**4. Leprosy**

*Leprosy Training* (EPTA-II) Inter-regional 55  
A course, in a country of the South-East Asia Region, for English-speaking doctors, similar to those held in the Philippines in 1961 and in Mali in 1962. Consultants (\$6800); attendance of participants (\$18 500); supplies and equipment (\$300); supporting services (\$1400).

**5. Veterinary Public Health**

(a) *Seminar on Parasitic Zoonoses* (EPTA-II) Inter-regional 199  
To enable participants, mostly from developing countries in Africa, Asia and Latin America, to discuss recent advances in the knowledge of the ecology, prevention and control of the principal zoonoses caused by parasitic animals. This two-week seminar would take place in the USSR. Four discussion leaders (\$3400); attendance of participants (\$23 600); supplies and equipment (\$1500); supporting services (\$3500).

(b) *Seminar on Rabies* (EPTA-II) Inter-regional 236  
To enable rabies workers from the Western Pacific, South-East Asia, Eastern Mediterranean and European Regions to review advances in research and diagnosis. Participants (\$11 900); interpretation and other services (\$4600); supplies and equipment (\$500).

**6. Public Health Administration**

*Travelling Seminar on Medical Care* (EPTA-II) Inter-regional 362  
To study the functioning of polyclinics and the regionalization of hospitals in the USSR. A consultant (\$1700); attendance of participants (\$22 200); supplies and equipment (\$1000); supporting services (\$3100).

**7. Vital and Health Statistics***(a) Statistical Advisory Team, Africa* Inter-regional 410

To help various countries in Africa to assess the type of statistical services required for the planning and development of their health services. Two consultants for six months each (\$20 400).

*(b) Conference on the Training of Health Statistical Personnel* Inter-regional 411

To discuss the development of one or more inter-regional courses for the training of health statistical personnel in developing countries. It would be attended by public health statisticians and health statisticians from medical schools in the African, Eastern Mediterranean, South-East Asia and Western Pacific Regions. Consultants (\$10 200); attendance of participants (\$15 000); supporting services (\$5200).

**8. Nursing***Seminar of Directors of Schools of Nursing* Inter-regional 412

To discuss guidelines for post-basic degree programmes for nursing. Consultants (\$1700); attendance of participants (\$20 000); supplies and equipment (\$1700).

**9. Social and Occupational Health***(a) Training in Occupational Health for Non-medical Inspectors of Places of Employment (EPTA-II)* Inter-regional 206

A two-month course to provide such inspectors with the basic knowledge needed for the health aspects of their work and enable them to make use of the simple field equipment that has been developed in recent years for determining health hazards in the working environment. Consultants (\$3400); attendance of participants (\$25 000); supplies and equipment (\$2000); supporting services (\$4600).

*(b) Occupational Health Advisory Team (EPTA-II)* Inter-regional 241

To demonstrate, in a number of countries where there is a nucleus of trained personnel, how a nation-wide survey of the health hazards of the main industries could be carried out. An occupational health physician, an industrial hygienist, and a toxicologist (\$28 000); supplies and equipment (\$11 000).

*(c) Course for Teachers of Physical Therapy (EPTA-II)* Inter-regional 285

To train more teachers of physical therapy for rehabilitation programmes. Consultants (\$8500); attendance of participants (\$26 500).

*(d) Training in Occupational Health in Agriculture (EPTA-II)* Inter-regional 334

A ten-week course for personnel entrusted with the health and welfare of agricultural workers. Consultants (\$1700); attendance of participants (\$29 300); supplies and equipment (\$1000); supporting services (\$3000).

**10. Chronic and Degenerative Diseases***(a) Cancer Advisory Team, Eastern Mediterranean* Inter-regional 413

To assist in the development of studies in areas where there is a high prevalence of certain tumour sites. An epidemiologist,

a pathologist and two locally recruited interviewers (\$51 430); supplies and equipment (\$1000).

*(b) Advisory Team on Rheumatic Heart Disease* Inter-regional 414

To study rheumatic fever and rheumatic heart disease in tropical and sub-tropical areas. A cardiologist, an epidemiologist, and two laboratory technicians (\$69 545); supplies and equipment (\$8000).

*(c) Seminar on Public Health Control of Diabetes Mellitus* Inter-regional 415

To enable public health administrators and diabetes experts to review developments and discuss control measures. Consultants (\$5100); attendance of participants (\$24 000); supporting services (\$900).

**11. Health Education***Seminar on the Role of Voluntary Participation in Health Programmes* Inter-regional 417

To discuss some of the principal needs, and the objectives, scope and methodology of extending the voluntary participation of the public in health programmes. Attendance of participants (\$20 000).

**12. Maternal and Child Health***(a) Travelling Seminar on Maternal and Child Health (EPTA-II)* Inter-regional 207

To enable senior administrators of maternal and child health services to observe the organization of such services in Poland and Czechoslovakia. Consultants (\$3400); attendance of participants (\$27 000); supporting services (\$3600); supplies and equipment (\$1000).

*(b) Symposium on the Midwife in Maternity Care* Inter-regional 416

To follow up the work of the expert committee which in 1965 discussed the role of the midwife in maternity care, i.e. the care of the pregnant, parturient and post-parturient woman and of the newborn infant. The participants in this two-week symposium would be midwives, midwifery tutors, obstetricians, paediatricians and maternal and child health and public health personnel. Consultants (\$3400); attendance of participants (\$18 000); supplies and equipment (\$2000).

**13. Nutrition***(a) Seminar on Prevention and Treatment of Protein-Calorie Malnutrition in Children (EPTA-II)* Inter-regional 186

To enable physicians from countries in the African and Eastern Mediterranean Regions to review advances in knowledge of the treatment and prevention of protein-calorie malnutrition in infants and children. Consultants (\$5100); servicing staff (\$3200); attendance of participants (\$20 000); supplies and equipment (\$700).

*(b) Meeting on Vitamin Requirements* Inter-regional 256

To review vitamin-C, folate, pyridoxine and vitamin-D minimum requirements. Attendance of participants (\$9200).

**14. Radiation and Isotopes***National Radiation Public Health Programmes*

Inter-regional 418

Technical advisers and short-term consultants to assist governments in planning and implementing radiation public health programmes and in training national personnel in this field. Two advisers (\$33 720); consultants (\$17 000); supplies and equipment (\$2000).

**15. Environmental Health***(a) Seminar on Mosquito-borne Filariasis (EPTA-II)*

Inter-regional 200

To enable public health officers responsible for filariasis control to review recent advances and discuss practical control measures. Attendance of participants (\$15 000); supporting services (\$7000); supplies and equipment (\$3000).

*(b) Advisory Teams on Community Water Supplies (EPTA-II)*

Inter-regional 346

To assist, on request, in developing and promoting community water supplies at the local and national levels, particularly in Africa and Asia. Two teams, each consisting of three specialists (in sanitary engineering, water administration and finance) (\$120 000); supplies and equipment (\$5000).

*(c) Seminar on Ground-water Development (EPTA-II)*

Inter-regional 347

To discuss the technical, economic and administrative aspects of the exploitation of ground-water, pollution problems, domestic uses of ground-water for urban and rural supplies, and water quality. Consultants (\$5100); attendance of participants (\$14 000); supplies and equipment (\$900).

*(d) Symposium on Environmental Pollution associated with Energy Production*

Inter-regional 419

To discuss principles and practices for siting electricity-generating plants and gasworks, and the types of fuel needed by them if excessive pollution of air, water and land is to be avoided. Temporary advisers (\$1700); attendance of participants (\$9000); servicing staff and supplies (\$2500).

*(e) Seminar on Assistance from Bilateral**Sources to Community Water Supplies* Inter-regional 420

To provide for an exchange of information on past, current and future programmes of this nature, a discussion of the criteria applied, and an exchange of views on the best way of organizing such assistance; the participants would come from the countries that provide technical and financial assistance in this field. Attendance of participants (\$8000); supporting services (\$3200).

*(f) Course on the Evaluation of Ambient Air Quality*

Inter-regional 326

To train sanitary chemists, sanitary engineers, public health officers and sanitarians in the planning and execution of air pollution control, and to prepare them for supervising the implementation of relevant legislation. Consultants (\$3400); attendance of participants (\$12 200); supplies and equipment (\$100); supporting services (\$1500).

*(g) Guide to Sanitation in Emergencies and Disasters*

Inter-regional 421

To prepare a guide to sanitation in emergencies or disasters. In recent years there have been several cases where immediate advice has been requested, including the preparation of supply lists and specifications for suitable sanitation equipment. A consultant for three months (\$5100).

*(h) Study of Environmental Health Aspects of Urban Planning and Development*

Inter-regional 422

To make a study, recommended by the Expert Committee on Environmental Health Aspects of Metropolitan Planning and Development (1964), of the specific environmental health problems related to land use, zoning, land sub-division and urban renewal. A consultant for four months (\$6800).

**16. Education and Training***Conference on the Operation of the WHO Fellowships Programme (EPTA-II)*

Inter-regional 350

To discuss the difficulties encountered by the home country in the selection of fellows and by the host country in their placement and supervision; and to consider possible ways of further improving the fellowships programme. Consultants (\$10 200); attendance of participants (\$18 000); supplies and equipment (\$2400); supporting services (\$1400).





Number of posts	Project No.	Estimated obligations US \$	Number of posts	Project No.	Estimated obligations US \$
<b>MADAGASCAR</b>			<b>SOUTHERN RHODESIA</b>		
1			<i>Education and Training</i>		
	19	11 755		7	1 700
				200	12 000
1	TOTAL — MADAGASCAR		TOTAL — SOUTHERN RHODESIA		
		11 755			13 700
<b>MALI</b>			<b>TOGO</b>		
	200	24 000	<i>Tuberculosis</i>		
			2		
				21	32 706
			2		
	TOTAL — MALI		TOTAL — TOGO		
		24 000			32 706
<b>MAURITANIA</b>			<b>UPPER VOLTA</b>		
	12	17 000	<i>Tuberculosis</i>		
			2		
				20	34 746
	200	12 000	2		
			TOTAL — UPPER VOLTA		
	TOTAL — MAURITANIA				34 746
		29 000	<b>INTER-COUNTRY PROGRAMMES</b>		
<b>MAURITIUS</b>			<b>AFRO</b>		
	200	14 000	<i>Tuberculosis</i>		
				192	49 400
	TOTAL — MAURITIUS		<i>Parasitic Diseases</i>		
		14 000	2		
				132	31 200
<b>NIGERIA</b>				163	37 400
	35	43 759	2		
				178	38 874
3	TOTAL — NIGERIA		<i>Vital and Health Statistics</i>		
		43 759	2		
				170	30 200
<b>SENEGAL</b>			<i>Health Education</i>		
	200	6 000		158	27 200
			1		
				190	17 937
	TOTAL — SENEGAL		<i>Maternal and Child Health</i>		
		6 000		119	27 200
<b>SEYCHELLES</b>			<i>Mental Health</i>		
	10	12 000		120	23 400
			<i>Environmental Health</i>		
				193	26 400
			2		
				194	63 074
	TOTAL — SEYCHELLES			195	51 000
		12 000	<i>Education and Training</i>		
<b>SIERRA LEONE</b>				196	12 400
	18	14 607	<i>Other Activities</i>		
				121	23 400
			TOTAL — INTER-COUNTRY PROGRAMMES		
	201	8 000			459 085
			TOTAL — AFRICA		
1	TOTAL — SIERRA LEONE				1 609 721
		22 607			

THE AMERICAS

Number of posts	Project No.	Estimated obligations US \$	Number of posts	Project No.	Estimated obligations US \$
<b>ARGENTINA</b>			<b>BARBADOS</b>		
	3105	12 100	<i>Environmental Health</i>		
				2200	11 700
	6300	10 500	TOTAL — BARBADOS		
					11 700
	4802	11 900	<b>BOLIVIA</b>		
	4300	3 500	<i>Nursing</i>		
			1		
				6300	19 255
	6400	15 600	<i>Environmental Health</i>		
			1		
				2200	17 728
1	6100	17 396	TOTAL — BOLIVIA		
					36 983
1	TOTAL — ARGENTINA				
		70 996			

Number of posts	Project No.	Estimated obligations US \$	Number of posts	Project No.	Estimated obligations US \$
<b>BRAZIL</b>			<b>CUBA</b>		
	<i>Public Health Administration</i>			<i>Public Health Administration</i>	
	Health services, North-eastern states . . . . .	3101 23 100		Public health services (EPTA-II) . . . . .	3100 10 200
	Fellowships . . . . .	3102 14 000			
	<i>Vital and Health Statistics</i>			TOTAL — CUBA	
	Health statistics . . . . .	3500 7 000			10 200
	Training in biostatistics . . . . .	6700 23 000			
	<i>Nursing</i>			<b>DOMINICAN REPUBLIC</b>	
	Nursing . . . . .	3200 42 290		<i>Veterinary Public Health</i>	
	Nursing education, Recife . . . . .	6301 12 700	1	Veterinary medicine education . . . . .	6500 18 850
	Training of nursing auxiliaries . . . . .	6302 8 800		<i>Public Health Administration</i>	
	<i>Social and Occupational Health</i>		3	Public health services . . . . .	3100 51 890
	Rehabilitation . . . . .	4801 18 895		<i>Education and Training</i>	
	Training in orthopaedic brace-making . . . . .	4802 5 100	1	Medical education . . . . .	6200 14 130
	<i>Nutrition</i>		5		
	Nutrition . . . . .	4200 3 500		TOTAL — DOMINICAN REPUBLIC	
	<i>Education and Training</i>				84 870
	Medical education . . . . .	6200 30 200			
1	TOTAL — BRAZIL				
		188 585			
<b>BRITISH GUIANA</b>			<b>ECUADOR</b>		
	<i>Public Health Administration</i>			<i>Bacterial Diseases</i>	
	National health services . . . . .	3100 11 700		Plague control . . . . .	0900 15 500
	<i>Mental Health</i>			<i>Public Health Administration</i>	
	Mental health . . . . .	4300 7 900		National Institute of Health	3301 20 470
	<i>Nutrition</i>			Fellowships . . . . .	3101 17 500
1	Nutrition (EPTA-II) . . . . .	4200 19 230		<i>Nursing</i>	
1	TOTAL — BRITISH GUIANA			Nursing education . . . . .	6300 17 200
		38 850		<i>Environmental Health</i>	
			1	Water supplies . . . . .	2200 33 520
			1	TOTAL — ECUADOR	
					104 190
<b>BRITISH HONDURAS</b>			<b>EL SALVADOR</b>		
	<i>Public Health Administration</i>			<i>Public Health Administration</i>	
	Health services . . . . .	3100 21 000	2	National health services (EPTA-II) . . . . .	3100 48 090
	<i>Environmental Health</i>		1	Public health laboratory services . . . . .	3300 21 270
	Water supplies . . . . .	2200 11 100		<i>Environmental Health</i>	
	TOTAL — BRITISH HONDURAS			Water supplies . . . . .	2200 26 500
		32 100		TOTAL — EL SALVADOR	
					95 860
<b>CHILE</b>			<b>GUATEMALA</b>		
	<i>Tuberculosis</i>			<i>Public Health Administration</i>	
	Tuberculosis control . . . . .	0400 3 400	1	National health services . . . . .	3100 13 695
	<i>Public Health Administration</i>			<i>Environmental Health</i>	
	Microbiology centre . . . . .	3301 3 500	1	Water supplies . . . . .	2200 26 790
	<i>Nursing</i>			TOTAL — GUATEMALA	
1	National planning for nursing . . . . .	3200 24 855			40 485
1	TOTAL — CHILE				
		31 755			
<b>COLOMBIA</b>			<b>HAITI</b>		
	<i>Public Health Administration</i>			<i>Public Health Administration</i>	
	National Institute of Health (Carlos Finlay) . . . . .	3301 5 100	1	National health services (EPTA-II) . . . . .	3100 17 195
	Fellowships . . . . .	3101 11 200	1	Public health laboratory . . . . .	3300 17 268
	<i>Environmental Health</i>			<i>Nursing</i>	
	Water supplies . . . . .	2200 3 500		Course on nursing supervision and administration . . . . .	3200 22 100
	Sanitary engineering education . . . . .	6400 9 100		TOTAL — HAITI	
	<i>Education and Training</i>				56 563
1	School of Public Health . . . . .	6100 22 560			
1	TOTAL — COLOMBIA				
		51 460			
<b>COSTA RICA</b>			<b>HONDURAS</b>		
	<i>Virus Diseases</i>			<i>Public Health Administration</i>	
1	Laboratory for diagnosis of virus diseases . . . . .	3301 21 750		Public health laboratory services . . . . .	3300 7 400
	<i>Public Health Administration</i>			<i>Environmental Health</i>	
	National health services (EPTA-II) . . . . .	3100 4 900		Water Supplies . . . . .	2200 13 000
	<i>Nursing</i>			TOTAL — HONDURAS	
	Advanced nursing education . . . . .	6300 4 900			20 400
	<i>Health Education</i>				
1	Health education . . . . .	3400 29 975			
	<i>Environmental Health</i>				
	Water supplies . . . . .	2200 21 400			
2	TOTAL — COSTA RICA				
		82 925			



Number of posts	Project No.	Estimated obligations US \$	Number of posts	Project No.	Estimated obligations US \$
<i>Public Health Administration</i>					
	National health planning, Zone I . . . . .	3101			16 095
	Public health administration, Caribbean area . . . . .	3107			6 900
	Laboratory services, inter-zone . . . . .	3300			35 600
	Laboratory services, Caribbean area . . . . .	3301			15 700
	Vaccine production and testing . . . . .	3307			6 800
1	Food and drug control, inter-zone . . . . .	4700			18 495
<i>Vital and Health Statistics</i>					
1	Health statistics, Zone I . . . . .	3501			21 828
1	Health statistics, Zone II . . . . .	3502			5 100
1	Perinatal studies . . . . .	3508			16 535
1	Chronic disease statistics . . . . .	3509			15 155
	Training in biostatistics . . . . .	6700			52 500
<i>Dental Health</i>					
1	Training in dental health . . . . .	4400			26 914
	Dental epidemiology . . . . .	4407			20 400
	Dental education . . . . .	6600			18 300
<i>Nursing</i>					
	Courses on nursing administration and supervision, Zone I . . . . .	3207			28 000
	Nursing education . . . . .	6300			42 400
	Seminar on nursing education . . . . .	6307			18 000
<i>Health Education</i>					
	Health education, Caribbean area . . . . .	3401			6 300
<i>Maternal and Child Health</i>					
	Training in clinical and social paediatrics . . . . .	4108			5 000
<i>Mental Health</i>					
	Mental health, Zone I . . . . .	4301			5 100
<i>Nutrition</i>					
	Advisory services, inter-zone . . . . .	4200			39 396
	Advisory services, Zone I . . . . .	4201			35 558
	Advisory services, Zone IV . . . . .	4204			15 400
<i>Radiation and Isotopes</i>					
	Health aspects of radiation . . . . .	4500			25 050
<i>Environmental Health</i>					
	Sanitary engineering, Zone I . . . . .	2101			13 300
	Sanitary engineering, Zone III . . . . .	2103			9 100
	Seminar on sanitary engineering, Zone III . . . . .	2108			14 653
	Sewage disposal and water pollution control . . . . .	2109			9 000
	Water supplies . . . . .	2200			6 800
	<i>Aedes aegypti</i> eradication, inter-zone . . . . .	2300			20 000
	Sanitary engineering training . . . . .	6400			27 000
	Sanitary engineering training, Zone III . . . . .	6403			15 890
	Training of sanitary inspectors, Zone III . . . . .	6407			26 600
<i>Education and Training</i>					
	Medical education, inter-zone . . . . .	6200			43 800
	Medical education, Zone IV . . . . .	6204			36 440
	Group study of medical school organization . . . . .	6209			15 000
<i>Other Activities</i>					
	Co-ordination of international research . . . . .	3110			18 700
TOTAL — INTER-COUNTRY PROGRAMMES					848 699
TOTAL — THE AMERICAS					2 412 969

## SOUTH-EAST ASIA

Number of posts	Project No.	Estimated obligations US \$	Number of posts	Project No.	Estimated obligations US \$
<b>AFGHANISTAN</b>					
<i>Public Health Administration</i>					
	Rural health (EPTA-II) . . . . .	26			3 600
	Training course in rural health services . . . . .	52			1 720
	Fellowships (EPTA-II) . . . . .	201			3 600
<i>Dental Health</i>					
1	Dental health (EPTA-II) . . . . .	60			5 100
<i>Nursing</i>					
1	Advisory services (EPTA-II) . . . . .	35			8 645
<i>Maternal and Child Health</i>					
	Provincial maternal and child health services and training (EPTA-II) . . . . .	56			3 600
<i>Environmental Health</i>					
1	School for sanitarians, Kabul (EPTA-II) . . . . .	28			5 100
	Fellowships (EPTA-II) . . . . .	201			6 800
3	TOTAL — AFGHANISTAN	38 165			
<b>BURMA</b>					
<i>Bacterial Diseases</i>					
	Plague control . . . . .	78			2 400
<i>Public Health Administration</i>					
1	Strengthening of health services (epidemiology) (EPTA-II) . . . . .	44			5 100
	Strengthening of laboratory services . . . . .	74			6 700
	Burma Pharmaceutical Institute . . . . .	77			11 100
	Fellowships . . . . .	200			10 800
<i>Nursing</i>					
	Refresher courses . . . . .	40			2 310
<i>Health Education</i>					
	Health education in schools . . . . .	60			12 400
<i>Maternal and Child Health</i>					
	Paediatric education . . . . .	67			6 000
<i>Environmental Health</i>					
	Mu River irrigation survey . . . . .	71			10 200
<i>Education and Training</i>					
	Institute of Medicine I, Rangoon (EPTA-II) . . . . .	28			21 100
1	TOTAL — BURMA	88 110			
<b>CEYLON</b>					
<i>Parasitic Diseases</i>					
1	Filariasis control (EPTA-II) . . . . .	56			5 100
<i>Public Health Administration</i>					
1	Strengthening of health services (epidemiology) . . . . .	38			5 100
	Strengthening of epidemiological services (EPTA-II) . . . . .	78			5 100
<i>Mental Health</i>					
	Mental health . . . . .	37			3 600
<i>Radiation and Isotopes</i>					
	Fellowships . . . . .	200			3 600
<i>Environmental Health</i>					
	Fellowships (community water supply) (EPTA-II) . . . . .	201			6 800
	Fellowships (environmental health) (EPTA-II) . . . . .	201			6 800
<i>Education and Training</i>					
	Medical education . . . . .	47			8 400
2	TOTAL — CEYLON	44 500			
<b>INDIA</b>					
<i>Bacterial Diseases</i>					
	Production of diphtheria/pertussis/tetanus vaccine, Kasauli . . . . .	173			10 200
<i>Parasitic Diseases</i>					
	Grant Medical College, Bombay (parasitology) . . . . .	230			15 900
<i>Virus Diseases</i>					
	National trachoma control programme . . . . .	101			4 800
	Virological techniques and measles vaccine production . . . . .	214			4 800
<i>Veterinary Public Health</i>					
	Haffkine Institute, Bombay (entomology) . . . . .	229			12 300
<i>Public Health Administration</i>					
	Strengthening of health services (epidemiology) (EPTA-II) . . . . .	182			27 800
	Strengthening of laboratory services . . . . .	188			16 900
	National Institute of Health Administration and Education . . . . .	218			3 600
	Fellowships (EPTA-II) . . . . .	201			9 600
<i>Dental Health</i>					
	Improvement of dental education (EPTA-II) . . . . .	208			7 200

Number of posts	Project No.	Estimated obligations US \$	Number of posts	Project No.	Estimated obligations US \$
<b>THAILAND</b>					
1	Nursing				
	Post-basic nursing education . . . . .	136			
	Nursing administration (EPTA-II) . . . . .	212			
	<b>Social and Occupational Health</b>				
	Medical rehabilitation . . . . .	194	1	Public Health Administration	
1	Industrial and occupational health (EPTA-II) . . . . .	197		Strengthening of health services (integration of specialized programmes) (EPTA-II) . . . . .	2
				Hospital administration . . . . .	51
	<b>Maternal and Child Health</b>				
	Fellowships (EPTA-II) . . . . .	201	1	Nursing	
				Advisory services (EPTA-II) . . . . .	21
	<b>Nutrition</b>			<b>Health Education</b>	
	Applied nutrition programme . . . . .	181		Fellowships . . . . .	200
	<b>Radiation and Isotopes</b>			<b>Mental Health</b>	
	Course in hospital physics . . . . .	232	1	Mental health education and services . . . . .	17
2	<b>Environmental Health</b>			<b>Nutrition</b>	
	Water supply programme (EPTA-II) . . . . .	216		Nutrition . . . . .	63
	<b>Education and Training</b>			<b>Education and Training</b>	
	Seminars and workshops in medical education . . . . .	221		Medical education . . . . .	62
	Fellowships (EPTA-II) . . . . .	201			
	<b>Other Activities</b>				
	Drug laboratory techniques and biological standardization . . . . .	222			
	Registry of pathology . . . . .	228			
	Quality control of pharmaceutical preparations and vaccines . . . . .	231			
6	<b>TOTAL — INDIA</b>	<b>245 231</b>	3	<b>TOTAL — THAILAND</b>	<b>62 954</b>
<b>INDONESIA</b>					
	<b>Tuberculosis</b>				
	Tuberculosis control . . . . .	50			
	<b>Radiation and Isotopes</b>				
	School for the training of technicians in electro-medical techniques . . . . .	69			
	<b>Education and Training</b>				
	Medical education . . . . .	62			
	<b>TOTAL — INDONESIA</b>	<b>14 400</b>			
<b>MALDIVE ISLANDS</b>					
	<b>Nursing</b>				
	Fellowships . . . . .	200			
	<b>Education and Training</b>				
	Fellowships (undergraduate medical training) . . . . .	200			
	<b>TOTAL — MALDIVE ISLANDS</b>	<b>9 500</b>			
<b>NEPAL</b>					
	<b>Public Health Administration</b>				
	Health laboratory services (EPTA-II) . . . . .	10			
	<b>Nursing</b>				
	Nursing education (EPTA-II) . . . . .	2			
	<b>Maternal and Child Health</b>				
	Maternal and child health services and training . . . . .	8			
	<b>TOTAL — NEPAL</b>	<b>13 900</b>	6	<b>TOTAL — INTER-COUNTRY PROGRAMMES</b>	<b>188 463</b>
			21	<b>TOTAL — SOUTH-EAST ASIA</b>	<b>705 223</b>

EUROPE

Number of posts	Project No.	Estimated obligations US \$	Number of posts	Project No.	Estimated obligations US \$
<b>ALBANIA</b>					
	<b>Public Health Administration</b>				
	Vaccine production . . . . .	6	1	Public Health Administration	
	<b>Education and Training</b>		1	Public health laboratories (EPTA-II) . . . . .	11.9
	Fellowships . . . . .	200		Hospital administration (EPTA-II) . . . . .	16
	<b>TOTAL — ALBANIA</b>	<b>18 500</b>		<b>Vital and Health Statistics</b>	
				Epidemiology and health statistics (EPTA-II) . . . . .	11.6
	<b>ALGERIA</b>			<b>Nursing</b>	
	<b>Tuberculosis</b>			Nursing education (EPTA-II) . . . . .	14
1	Tuberculosis control (EPTA-II) . . . . .	3		<b>Social and Occupational Health</b>	
	<b>Virus Diseases</b>			Rehabilitation (EPTA-II) . . . . .	6
	Communicable eye disease control (EPTA-II) . . . . .	1		<b>Health Education</b>	
				Health education (EPTA-II) . . . . .	11.4
				<b>Maternal and Child Health</b>	
				Maternal and child health (EPTA-II) . . . . .	12

Number of posts	Project No.	Estimated obligations US \$	Number of posts	Project No.	Estimated obligations US \$
<b>TURKEY</b>					
1	<i>Nutrition</i> Advisory services . . . . .	11.5 15 500			
	<i>Mental Health</i> Mental health services . . . . .	17 4 700			
	<i>Environmental Health</i> Environmental sanitation (EPTA-II) . . . . .	11.3 4 500			
	<i>Education and Training</i> Medical education (EPTA-II) . . . . .	19 4 200			
4	<b>TOTAL — ALGERIA</b>	<u>82 000</u>			
<b>TURKEY</b>					
	<i>Public Health Administration</i> Public health laboratory services . . . . .			40.7	3 800
	<i>Vital and Health Statistics</i> Health statistical services . . . . .			40.2	2 400
	<i>Nursing</i> Nursing education . . . . .			29	7 850
	<i>Mental Health</i> Mental health services . . . . .			35	5 700
	<i>Environmental Health</i> Environmental health services . . . . .			40.3	1 700
	<b>TOTAL — TURKEY</b>				<u>21 450</u>
<b>AUSTRIA</b>					
	<i>Vital and Health Statistics</i> Health statistical services . . . . .	16 3 200			
	<i>Nursing</i> Nursing education and administration . . . . .	15 4 000			
	<b>TOTAL — AUSTRIA</b>	<u>7 200</u>			
<b>GREECE</b>					
2	<i>Public Health Administration</i> Development of public health services and training of personnel (EPTA-II) . . . . .	25 14 200			
	<i>Nursing</i> Nursing education and administration (EPTA-II) . . . . .	17 7 600			
	<i>Mental Health</i> Mental health services . . . . .	20 1 700			
1	<i>Environmental Health</i> Environmental sanitation (EPTA-II) . . . . .	35 1 700			
3	<b>TOTAL — GREECE</b>	<u>25 200</u>			
<b>HUNGARY</b>					
	<i>Public Health Administration</i> Drug control . . . . .	15 2 000			
	<b>TOTAL — HUNGARY</b>	<u>2 000</u>			
<b>MALTA</b>					
1	<i>Tuberculosis</i> Tuberculosis control (EPTA-II) . . . . .	1 2 900			
	<i>Dental Health</i> Dental health . . . . .	11 1 600			
2	<i>Mental Health</i> Mental health services (EPTA-II) . . . . .	7 18 100			
	<i>Education and Training</i> Fellowships (EPTA-II) . . . . .	201 8 000			
3	<b>TOTAL — MALTA</b>	<u>30 600</u>			
<b>MOROCCO</b>					
	<i>Public Health Administration</i> Food hygiene . . . . .	32 4 100			
	Hospital administration . . . . .	33 12 200			
	<i>Social and Occupational Health</i> Rehabilitation of the physically handicapped (EPTA-II) . . . . .	24 2 000			
	<i>Mental Health</i> Mental health services . . . . .	18 4 800			
	<b>TOTAL — MOROCCO</b>	<u>23 100</u>			
<b>POLAND</b>					
	<i>Nursing</i> Post-basic nursing education (EPTA-II) . . . . .	25 15 200			
	<b>TOTAL — POLAND</b>	<u>15 200</u>			
<b>SPAIN</b>					
	<i>Nursing</i> Nursing education . . . . .	19 3 800			
	<b>TOTAL — SPAIN</b>	<u>3 800</u>			
<b>YUGOSLAVIA</b>					
	<i>Chronic and Degenerative Diseases</i> Control of malignant diseases . . . . .	40 3 900			
	<b>TOTAL — YUGOSLAVIA</b>	<u>3 900</u>			
<b>INTER-COUNTRY PROGRAMMES</b>					
<b>EURO</b>					
	<i>Virus diseases</i> Course on the epidemiological surveillance of communicable diseases . . . . .	387 10 000			
	<i>Public Health Administration</i> Symposium on methods of estimating medical and paramedical personnel requirements . . . . .	289 12 500			
	Symposium on the functions of institutes of hygiene or public health . . . . .	340 15 130			
	Conference of directors of municipal hygiene and public health services . . . . .	388 20 500			
	Seminar on food hygiene . . . . .	389 13 080			
	<i>Vital and Health Statistics</i> Conference on the health statistical work of local health services . . . . .	252 16 630			
1	Symposium on the application of health statistical methods to rural areas (EPTA-II) . . . . .	371 12 700			
	<i>Nursing</i> National studies and surveys in nursing . . . . .	291 10 000			
	Seminar on advanced nursing education programmes . . . . .	342 20 500			
	<i>Social and Occupational Health</i> Symposium on health problems in offices . . . . .	293 11 600			
	Study on the health status of adolescents, with special reference to rural areas . . . . .	396 5 100			
	<i>Chronic and Degenerative Diseases</i> Cancer epidemiology . . . . .	134.1 7 500			
	Symposium on methods of evaluating treatment and after-care of cancer patients . . . . .	392 14 030			
	<i>Health Education</i> National courses in health education for doctors . . . . .	331 4 500			
	<i>Mental Health</i> Study of child and family guidance centres in Europe . . . . .	103.3 3 400			
	Seminar on public health practice and the prevention of mental illness . . . . .	278.2 20 500			
1	<i>Nutrition</i> Seminar on nutrition in public health (EPTA-II) . . . . .	315 6 800			
	<i>Environmental Health</i> Seminar for sanitary engineers . . . . .	9.10 20 500			
	Standards of quality for drinking-water . . . . .	66.4 1 700			
	Symposium on health problems created by noise . . . . .	263.2 13 300			
	Study on the training of sanitary inspection personnel . . . . .	312 5 100			
1	Community water supply survey (EPTA-II) . . . . .	372 3 400			
	<i>Education and Training</i> Meeting of representatives of public health schools . . . . .	373 3 600			
	Symposium on the place of psychology and social sciences in medical education . . . . .	386 15 030			
	Conference on the hospital as a teaching centre . . . . .	394 25 900			
	Course in medical pedagogy (English language) . . . . .	395 14 000			
	<i>Other Activities</i> Course in medical librarianship (French language) . . . . .	349 8 000			
	<b>TOTAL — INTER-COUNTRY PROGRAMMES</b>				<u>315 000</u>
	<b>TOTAL — EUROPE</b>				<u>547 950</u>

EASTERN MEDITERRANEAN

Number of posts	Project No.	Estimated obligations US \$	Number of posts	Project No.	Estimated obligations US \$
<b>CYPRUS</b>			<b>LEBANON</b>		
<i>Education and Training</i>			<i>Nursing</i>		
Fellowships (EPTA-II) . . . . .	201	46 800	Nursing education . . . . .	10	5 300
			<i>Environmental Health</i>		
<b>TOTAL — CYPRUS</b>		<u>46 800</u>	Environmental health (EPTA-II) . . . . .	17	5 500
			<b>TOTAL — LEBANON</b>		<u>10 800</u>
<b>ETHIOPIA</b>			<b>LIBYA</b>		
<i>Tuberculosis</i>			<i>Health Education</i>		
Tuberculosis control (EPTA-II) . . . . .	6	4 800	Health education services. . . . .	25	15 149
<i>Parasitic Diseases</i>			<i>Education and Training</i>		
Bilharziasis control (EPTA-II) . . . . .	24	8 000	Fellowships (EPTA-II) . . . . .	201	60 000
<i>Virus Diseases</i>					
Communicable eye disease control . . . . .	16	3 400	<b>TOTAL — LIBYA</b>		<u>75 149</u>
<i>Radiation and Isotopes</i>					
Fellowships. . . . .	200	7 000			
<i>Environmental Health</i>			<b>PAKISTAN</b>		
Environmental health services . . . . .	36	8 000	<i>Virus Diseases</i>		
<i>Education and Training</i>			Communicable eye disease control (EPTA-II) . . . . .	40	9 600
Fellowships (EPTA-II) . . . . .	201	30 000	<i>Public Health Administration</i>		
<b>TOTAL — ETHIOPIA</b>		<u>61 200</u>	National health laboratories, Islamabad . . . . .	48	6 800
			Advisory services in epidemiology and health statistics . . . . .	64	16 149
			<i>Vital and Health Statistics</i>		
			Hospital and health centre statistics (EPTA-II) . . . . .	57	4 800
			<i>Nursing</i>		
			Nursing education, West Pakistan (EPTA-II) . . . . .	44	9 600
			<i>Health Education</i>		
			Advisory services . . . . .	56	10 200
			<i>Maternal and Child Health</i>		
			Fellowships. . . . .	200	4 000
			<i>Radiation and Isotopes</i>		
			Fellowships. . . . .	200	7 000
			<i>Education and Training</i>		
			Institute of Hygiene, Lahore . . . . .	11	27 400
			Post-graduate medicine and research, Dacca . . . . .	61	30 649
			<i>Education and Training</i>		
			Fellowships (EPTA-II) . . . . .	201	20 000
			<b>TOTAL — PAKISTAN</b>		<u>146 198</u>
			<b>QATAR</b>		
			<i>Education and Training</i>		
			Fellowships. . . . .	200	8 000
			<b>TOTAL — QATAR</b>		<u>8 000</u>
			<b>SOMALIA</b>		
			<i>Malaria</i>		
			Pre-eradication programme (EPTA-II) . . . . .	2	10 000
			<i>Tuberculosis</i>		
			Tuberculosis control (EPTA-II) . . . . .	11	14 500
			<i>Public Health Administration</i>		
			Basic health services . . . . .	13	10 900
			<i>Nursing</i>		
			Nursing education (EPTA-II) . . . . .	15	19 200
			<i>Health Education</i>		
			Advisory services . . . . .	24	10 200
			<i>Environmental Health</i>		
			Environmental health services . . . . .	18	15 149
			<i>Education and Training</i>		
			Training of health personnel . . . . .	8	10 900
			Fellowships (EPTA-II) . . . . .	201	26 000
			<i>Other Activities</i>		
			Management of pharmacy and medical stores (EPTA-II) . . . . .	21	13 245
			<b>TOTAL — SOMALIA</b>		<u>130 094</u>
			<b>KUWAIT</b>		
			<i>Environmental Health</i>		
			Establishment of insecticide plant . . . . .	12	5 100
			<b>TOTAL — KUWAIT</b>		<u>5 100</u>

Number of posts	Project No.	Estimated obligations US \$	Number of posts	Project No.	Estimated obligations US \$
<b>SUDAN</b>					
			1	<i>Environmental Health</i> Sanitary engineering research (EPTA-II) . . . . .	38 12 600
1	Venereal Diseases and Treponematoses Venereal disease control (EPTA-II) . . . . .	16 11 700		<i>Education and Training</i> Fellowships (EPTA-II) . . . . .	201 20 000
2	<i>Parasitic Diseases</i> Bilharziasis control training centre (EPTA-II) . . . . .	5 44 322	2	TOTAL — UNITED ARAB REPUBLIC	47 748
1	<i>Chronic and Degenerative Diseases</i> Cancer control . . . . .	30 13 961			
	<i>Nutrition</i> Nutrition division, Khartoum . . . . .	20 4 800		<b>YEMEN</b>	
4	TOTAL — SUDAN	74 783	3	<i>Tuberculosis</i> Tuberculosis control . . . . .	6 47 978
			3	TOTAL — YEMEN	47 978
<b>SYRIA</b>					
1	<i>Parasitic Diseases</i> Ancylostomiasis control (EPTA-II) . . . . .	22 10 200	<b>INTER-COUNTRY PROGRAMMES</b>		
	<i>Mental Health</i> Mental health services . . . . .	40 15 200		<i>Vital and Health Statistics</i> Course for health statisticians . . . . .	EMRO 106 20 000
2	<i>Education and Training</i> Medical school, Aleppo (EPTA-II) . . . . .	47 30 261		<i>Dental Health</i> Dental health . . . . .	23 5 100
1	<i>Other Activities</i> Pharmaceutical services (EPTA-II) . . . . .	35 10 200		<i>Nursing</i> Training in nursing administration . . . . .	116 10 600
4	TOTAL — SYRIA	65 861	4	<i>Chronic and Degenerative Diseases</i> Seminar on cancer control (epidemiology and prevention) (EPTA-II) . . . . .	103 31 800
				<i>Health Education</i> Advisory services . . . . .	26 10 200
<b>TUNISIA</b>					
	<i>Nursing</i> Nursing education (EPTA-II) . . . . .	34 9 600		<i>Mental Health</i> Training of psychiatric nurses . . . . .	63.02 10 000
	<i>Education and Training</i> Medical education (EPTA-II) . . . . .	27 14 400		Conference on mental health services in public health planning . . . . .	112 25 000
	Fellowships (EPTA-II) . . . . .	201 19 200		<i>Environmental Health</i> Survey of vectors of haemorrhagic fever . . . . .	121 7 300
	TOTAL — TUNISIA	43 200		<i>Education and Training</i> Training of librarians . . . . .	55.02 15 400
				Travelling seminar on auxiliary training (EPTA-II) . . . . .	102 20 800
<b>UNITED ARAB REPUBLIC</b>					
1	<i>Virus Diseases</i> Poliomyelitis physical therapy institute, University of Alexandria . . . . .	32 10 348	4	TOTAL — INTER-COUNTRY PROGRAMMES	156 200
	Virology research laboratory (EPTA-II) . . . . .	37 4 800	28	TOTAL — EASTERN MEDITERRANEAN	1 031 021

## WESTERN PACIFIC

Number of posts	Project No.	Estimated obligations US \$	Number of posts	Project No.	Estimated obligations US \$
<b>CAMBODIA</b>					
	<i>Tuberculosis</i> Tuberculosis control . . . . .	7 16 000		<i>Dental Health</i> Fellowships . . . . .	200 2 500
	<i>Venereal Diseases and Treponematoses</i> Fellowships . . . . .	200 1 500		<i>Nursing</i> Fellowships . . . . .	200 7 000
1	<i>Public Health Administration</i> Medical supply service . . . . .	21 20 600	1	<i>Health Education</i> Advisory services . . . . .	48 15 000
	Fellowships . . . . .	200 12 000		<i>Mental Health</i> Mental health programme . . . . .	20 24 000
	<i>Nursing</i> Nursing education and administration . . . . .	13 74 000		<i>Environmental Health</i> Fellowships . . . . .	200 9 000
	<i>Nutrition</i> Nutrition training . . . . .	20 7 000		<i>Education and Training</i> Institute of Public Health . . . . .	27 23 000
1	<i>Other Activities</i> Fellowships . . . . .	200 4 000	2	TOTAL — CHINA	148 500
	TOTAL — CAMBODIA	135 100			
<b>CHINA</b>					
	<i>Tuberculosis</i> Fellowships . . . . .	200 14 600		<b>FIJI</b>	
	<i>Venereal Diseases and Treponematoses</i> Venereal disease control . . . . .	1 7 100		<i>Public Health Administration</i> Fellowships . . . . .	200 2 600
	<i>Virus Diseases</i> Trachoma control . . . . .	34 5 200		TOTAL — FIJI	2 600
	Smallpox vaccine production . . . . .	51 4 500		<b>GILBERT AND ELLICE ISLANDS</b>	
1	<i>Public Health Administration</i> Hospital administration . . . . .	54 15 000	1	<i>Nursing</i> Nursing education (EPTA-II) . . . . .	4 13 075
	Fellowships . . . . .	200 21 600	1	TOTAL — GILBERT AND ELLICE ISLANDS	13 075



Number of posts	Project No.	Estimated obligations US \$	Number of posts	Project No.	Estimated obligations US \$
<b>JAPAN</b>			<i>Nursing</i>		
<i>Social and Occupational Health</i>			<i>Fellowships.</i>	200	21 000
<i>Fellowships.</i>	200	2 200	<i>Social and Occupational Health</i>		
			<i>School for handicapped children, Manila</i>	96	10 200
<b>TOTAL — JAPAN</b>		<b>2 200</b>	<i>Maternal and Child Health</i>		
			<i>Social paediatrics</i>	75	13 500
<b>LAOS</b>			<i>Mental Health</i>		
<i>Health Education</i>			<i>Advisory services</i>	4	176 200
<i>Fellowships.</i>	200	7 000	<i>Environmental Health</i>		
<i>Maternal and Child Health</i>			<i>Environmental sanitation training</i>	51	18 000
<i>Maternal and child health services</i>	6	8 000	<i>Education and Training</i>		
<b>TOTAL — LAOS</b>		<b>15 000</b>	<i>Institute of Hygiene, University of the Philippines (EPTA-II)</i>	91	33 450
			<i>Fellowships.</i>	200	35 000
			<b>TOTAL — PHILIPPINES</b>		<b>456 250</b>
<b>MACAO</b>			<b>REPUBLIC OF KOREA</b>		
<i>Education and Training</i>			<i>Tuberculosis</i>		
<i>Fellowships.</i>	200	2 800	<i>Fellowships.</i>	200	31 800
<b>TOTAL — MACAO</b>		<b>2 800</b>	<i>Venereal Diseases and Treponematoses</i>		
			<i>Fellowships.</i>	200	4 500
<b>MALAYSIA</b>			<i>Public Health Administration</i>		
<i>Public Health Administration</i>			<i>Fellowships.</i>	200	29 500
<i>Strengthening of rural health services and training of health personnel, Malaya, Sabah and Sarawak</i>	35	8 400	<i>Dental Health</i>		
<i>Hospital administration, Malaya</i>	67	6 800	<i>Fellowships.</i>	200	7 000
<i>Fellowships, Malaya.</i>	200	8 400	<i>Social and Occupational Health</i>		
<i>Health Education</i>			<i>Fellowships.</i>	200	1 800
<i>Advisory services, Malaya</i>	30	15 950	<i>Health Education</i>		
<i>Mental Health</i>			<i>Fellowships.</i>	200	5 400
<i>Advisory services, Malaya</i>	65	5 100	<i>Maternal and Child Health</i>		
<i>Environmental Health</i>			<i>Maternal and child health services</i>	3	11 700
<i>Advisory services, Sabah and Sarawak</i>	41	7 000	<i>Environmental Health</i>		
<i>Education and Training</i>			<i>Fellowships.</i>	200	4 000
<i>University of Malaya</i>	40	24 000	<i>Education and Training</i>		
<i>Fellowships, Malaya.</i>	200	3 700	<i>National Institute of Health</i>	15	11 400
<b>TOTAL — MALAYSIA</b>		<b>79 350</b>	<i>School of public health, Seoul National University</i>	27	15 000
			<i>Fellowships.</i>	200	1 800
			<i>Other Activities</i>		
			<i>International quarantine</i>	28	1 275
			<i>Fellowships.</i>	200	28 000
			<b>TOTAL — REPUBLIC OF KOREA</b>		<b>153 175</b>
<b>NEW ZEALAND</b>			<b>SINGAPORE</b>		
<i>Nursing</i>			<i>Tuberculosis</i>		
<i>Fellowships.</i>	200	3 700	<i>Fellowships.</i>	200	2 800
<b>TOTAL — NEW ZEALAND</b>		<b>3 700</b>	<i>Public Health Administration</i>		
			<i>Fellowships.</i>	200	3 600
<b>PAPUA AND NEW GUINEA</b>			<i>Nursing</i>		
<i>Environmental Health</i>			<i>Nursing administration and practice</i>	4	16 000
<i>Fellowships.</i>	200	2 800	<i>Chronic and Degenerative Diseases</i>		
<b>TOTAL — PAPUA AND NEW GUINEA</b>		<b>2 800</b>	<i>Fellowships.</i>	200	13 500
			<i>Health Education</i>		
			<i>Advisory services</i>	12	7 000
			<i>Maternal and Child Health</i>		
			<i>Fellowships.</i>	200	4 000
			<i>Education and Training</i>		
			<i>University of Singapore</i>	11	37 454
			<i>Fellowships.</i>	200	4 000
			<i>Other Activities</i>		
			<i>Fellowships.</i>	200	4 500
			<b>TOTAL — SINGAPORE</b>		<b>92 854</b>
<b>PHILIPPINES</b>			<b>TIMOR</b>		
<i>Tuberculosis</i>			<i>Nursing</i>		
<i>Tuberculosis control</i>	69	54 100	<i>Fellowships.</i>		7 000
<i>Parasitic Diseases</i>			<b>TOTAL — TIMOR</b>		<b>7 000</b>
<i>Filaria control</i>	94	15 800			
<i>Public Health Administration</i>					
<i>Hospital administration</i>	77	15 300			
<i>Demonstration and training centre</i>	88	4 000			
<i>National seminar on urban health administration</i>	95	10 700			
<i>Fellowships.</i>	200	42 000			
<i>Vital and Health Statistics</i>					
<i>Fellowships.</i>	200	7 000			

