

For Administrative Use Only
Not for Publication

December 7, 1966

TO : Chief, Communicable Disease Center
FROM : Chief, Smallpox Eradication Program
SUBJECT: Status Report #1

In January, 1966, the Public Health Service created the Smallpox Eradication Program within the Office of the Chief, Communicable Disease Center. This program was delegated full technical, administrative and operational responsibility for the AID financed West Africa Smallpox Eradication/Measles Control Program in addition to continuing domestic smallpox surveillance and investigations activities.

I. PERSONNEL

A. Current Status

A headquarters staff based at the Communicable Disease Center, in addition to providing overall direction, guidance and assistance to the program, will be carrying out multifaceted investigative and training activities pertaining to the epidemiology of smallpox and measles and application of vaccines.

Headquarters Staff

J. Don Millar, M.D.	Medical Officer
Henry M. Gelfand, M.D.	Medical Officer
Ronald R. Roberto, M.D.	Medical Officer
Leo Morris, M.P.H.	Statistician
Mary Anne Lyle	Statistical Assistant
Bill G. Griggs, B.A.	Program Management Officer
Fay B. Hendricks	Administrative Officer
Jane Cooley	Administrative Assistant
Joan Davenport	Secretary
Evelyn Elliott	Secretary
Evelyn Harrison	Secretary
Shirley Kaufman	Secretary
Hilda Westmoreland	Secretary

Laboratory Support

Virologist
Microbiologists (2)
Laboratory Technician

The Regional Project Office (RPO) Staff of public health specialists based at Lagos, Nigeria, is responsible for continuing consultation, coordination and direction of the Project.

RPO Staff

George I. Lythcott, M.D.	Medical Officer
Ralph H. Henderson, M.D.	Medical Officer
James Hicks, B.S.	Administrative Officer
Wm. Desprez	Assistant Administrative Officer
Nathaniel Rothstein, M.S.	Virologist
Hillard Davis, M.P.H.	Statistician
Gordon Robbins, M.P.H.	Health Educator
Wm. Shoemaker	Equipment Specialist
Muriel Roy	Secretary

The 30 Medical Officers (M.O.) and Operations Officers (O.O.) working with the individual country programs will provide the requisite continuity of assistance in the development and execution of individual country programs. Of the 15 countries initiating programs in fiscal year 1967, 9 had signed Project Agreements (Pro-Ags) by the end of November. The signing dates of Project Agreements and disposition of field staff, with arrival dates or expected arrival dates, is shown in table 1 on page 3 and is summarized below:

	<u>Countries</u>	<u>Pro-Ags</u>	
		<u>Signed</u>	<u>Not Signed</u>
Status of Pro-Ags:	15	9	6

	<u>TOTAL</u>	<u>Africa</u>		<u>Atlanta</u>
		<u>Perm. Duty</u>	<u>Temp. Duty</u>	
Medical Officers:	11	6	1	4
Operations Officers:	19	12	0	7

B. Training

Since July 5, 1966, the following training programs have been completed or are still in progress.

1. Epidemiology and Biostatistics
CDC, Atlanta; July 5, 1966 to Aug. 5, 1966
Participants: 14 Medical Officers
1 Statistician
2. Introduction to Epidemiology and Biostatistics (including Management Workshop)
CDC, Atlanta; July 11 to July 23, 1966
Participants: 19 Operations Officers
3. Automotive Training Course
Chrysler Training Center, Atlanta
 - a. July 6 to July 9, July 25 to August 6, 1966
Participants: 19 Operations Officers
 - b. August 25 to August 29, 1966
Participants: 11 Medical Officers
3 Other RPO Staff

Table 1

Disposition of Field Staff
and Status of Project Agreements

<u>Country</u>	<u>Date Pro-Ag Signed</u>	<u>Exp. Date Pro-Ag to be Signed</u>	<u>Officer and Arrival Date</u>	
			<u>M.O.</u>	<u>O.O.</u>
Cameroon	10-15-66		Arlan Rosenbloom*	John McEnaney 10-31-66
C.A.R.	11-15-66		(1)	Neal Ewen 12-8-66
Chad	10-25-66		Bernard Lourie 11-10-66	Russell Charter 11-3-66
Dahomey	11-23-66		Bernard Challenor 12-5-66	Jeannel Roy*
Gabon	10-24-66		(2)	Mark LaPointe 11-4-66
Gambia		?	(3)	(3)
Ghana	11-10-66			Gordon Doran*
Ivory Coast	11-26-66		(4)	Bob Hogan 12-6-66
Mali		?	Pascal Imperato	Jay Friedman
Mauritania		?	(5)	Tom Leonard
Niger		12-5-66	Donald Moore	Tony Masso
Nigeria (Fed. District)	10- 6-66		Stanley Foster 10-19-66	Gerald Flanders 10-21-66
Nigeria (Midwest)			(6)	Warren Jones 10-21-66
Nigeria (East)			David Thompson 10-19-66	Paul Lichfield 10-21-66
Nigeria (West)			(Dr. William Foege-Consultant) Margaret Grigsby	James Lewis 11-14-66
Nigeria (North)			Deane Hutchins 10-15-66	John Greenley 10-21-66
Senegal		?		Vicki Jones 10-19-66
Togo	10-21-66		Thomas Drake (7)	Bob Helmholtz Andrew Agle 11-3-66
Upper Volta		?	Chris D'Amanda TDY-12-2-66	Bill White

- (1) To be covered by Medical Officer assigned to Chad
 (2) To be covered by Medical Officer assigned to Cameroon
 (3) To be covered by Medical Officer and Operations Officer assigned to Senegal
 (4) To be covered by Medical Officer assigned to Upper Volta
 (5) To be covered by Medical Officer assigned to Senegal
 (6) To be covered by Medical Officer assigned to Federal District, Nigeria
 (7) To be covered by Medical Officer assigned to Dahomey

* Awaiting travel orders.

4. Jet Injector Training Course
CDC, Atlanta
 - a. Aug. 24-26, 1966
Participants: 19 Operations Officers
 - b. August 24, 1966
Participants: 14 Medical Officers
5. West African Smallpox Eradication and Measles Control Program
Orientation Course (including AID orientation)
CDC, Atlanta; August 8 to August 24, 1966
Participants: Entire Staff
6. French Language Training Course
CDC, Atlanta; July 11 to October 14, 1966
(evenings July 11 to Sept. 2; full time Sept. 5 to Oct. 14)
Participants: 9 Medical Officers
12 Operations Officers
2 Other RPO Staff
7. Hausa Language Training Course
CDC, Atlanta; August 2 to August 28, 1966 (evenings)
Participants: 2 Operations Officers and 1 Medical Officer assigned
to Northern Nigeria
8. Field Training
 - a. DeKalb-Rockdale Counties (Georgia) Measles Vaccination Program
September 9, 1966
Participants: 2 Medical Officers
2 Operations Officers
 - b. Measles Immunization for Epidemic Control
Snohomish County Health Dept. and Portland, Oregon
November 27 to December 2, 1966
Participants: 3 Medical Officers
5 Operations Officers
 - c. Jet Injector Evaluation Study
Epidemiology Branch, CDC, Atlanta
November 24 to December 1, 1966
Participants: 1 Operations Officer

II. FIELD ACTIVITIES

1. Office Space - As of December 1, the status of office space in each country is as follows:
 - a. Provided: Regional Project Office
Dahomey (authorization for renovation requested)
Gabon
Senegal (leased by AID)
 - b. Status pending:
 - Cameroon - Government is looking for space.
 - Chad - Government unable to provide; rental would be \$3,500/year. AID/Chad advises construction at cost of \$5,000. Requested 11/8/66. Approval pending.

Niger - Government willing to share already crowded facilities.
AID/Washington advises acceptance of offered space on interim basis.

c. No indications of status:

CAR
Ghana
Ivory Coast
Mali
Mauritania
Nigeria - all regions
Togo
Upper Volta

2. Operations

a. Headquarters

George Lythcott spent 6 weeks in August-September aiding completion of negotiations for Project Agreements for Nigeria.

Henry M. Gelfand attended OCCGE technical meeting in Abidjan, and visited Senegal and Mauritania in November to discuss Project Agreements.

Chris D'Amada attended OCCGE meeting and discussed Project Agreement in Ivory Coast and is presently discussing the Agreement in Upper Volta.

b. RPO

Ralph Henderson has visited Dahomey, Niger, Ivory Coast and Cameroon to discuss Project Agreements and other program problems. He also attended the OCCGE meeting in Abidjan.

c. Country

Cameroon: Campaign was to begin in November with 160,000 doses of measles vaccine, 16 Ped-O-Jets and 6 vehicles previously made available.
CAR : One week training program planned, awaiting arrival of equipment and supplies.
Chad : Dr. Lourie and Mr. Charter on 2-week evaluation field trip of country with counterparts.
Nigeria : Pilot program planned for Lagos by late December pending arrival supplies and equipment. Serious personnel shortages in the federal smallpox laboratory and MOH Statistical Office have resulted from the emigration of many Ibo civil servants to the Eastern Region. RPO statistician actively consulting and advising Nigerian Ministry of Health in collection of smallpox and measles morbidity and mortality data.

III. HOUSING - Of 39 housing units, 31 are assumed to be satisfactory, and the status of the remaining 8 units are pending as of December 1. The status of the housing is summarized below:

1. Satisfactory - 31 units

Regional Project Office: 9 units
Cameroon : M.O. (lease renewal soon)
Chad : M.O., O.O.
CAR : O.O.
Dahomey : M.O., O.O.

Gabon	: O.O.
Ghana	: O.O.
Ivory Coast	: O.O.
Mauritania	: O.O.
Mali	: M.O., O.O.
Nigeria (Provided by Govt.)	
Midwest	: O.O.
East	: M.O.
Fed. District	: M.O.
North	: M.O., 1 O.O.
West	: O.O.
Senegal	: M.O.
Togo	: O.O.
Upper Volta	: M.O., O.O.

2. Pending - 8 Units

Cameroon	: Lease expiring and USAID approves finding better quarters for O.O.
Niger	: M.O., O.O.; leasing not authorized until ProAg is signed.
Nigeria	
Fed. Distr.:	O.O. no quarters
East	: O.O. temp. quarters by AID
North	: 2nd O.O. no quarters
West	: M.O. no quarters
Senegal	: O.O. no quarters

Kroehler Danish Modern furniture has been ordered for all 39 housing units. Nineteen units were shipped from N.Y. to WACASC-Lagos on August 10, 1966. Remaining units were shipped during the first week of September, including 5 units shipped to Dakar for Senegal, Mauritania and Mali and 15 units to WACASC-Lagos for remaining countries. Appliances for all 39 units were ordered through WACASC and are presumed available for distribution from Lagos.

There are three circumstances that prevail regarding furnishings:

1. Host government is providing furnished housing. This applies only to Nigeria. AID policy requires acceptance of these furnishings, but if they are not up to USAID standards in quality or quantity, substitutions and/or supplementation can be made from program supplies.
2. USAID housing already furnished from local embassy supplies, as in Cameroon and Togo, can be refurnished from program supplies if existing furnishings are not USAID standard or are needed elsewhere by the mission.
3. Unfurnished housing leased by USAID will be adequately furnished from program supplies.

IV. PROCUREMENT

Procurement schedules, by country, are presented in tables 2 and 3 on pages 7 and 9.

Other supplies not shown in the tables include:

A. Office Furniture

1. Nigeria: furnished by host government
2. Other countries: Pending delivery to Dakar for Senegal, Mauritania and

Operational Commodities and Supplies
Procurement Schedules by Country
OCCGE and Anglophone Countries
FY 1967

[illegible]

Table 2 (continued)

<u>Item and ETA Destination</u>	<u>Senegal</u>	<u>Mauri- tania</u>	<u>Mali</u>	<u>Niger</u>	<u>Ivory Coast</u>	<u>Togo</u>	<u>Dahomey</u>	<u>Upper Volta</u>	<u>Gambia</u>	<u>Ghana</u>	<u>Nigeria</u>	<u>Total</u>
<u>-W200</u>												
1. Nov. 1966		2	4	4				2			6	18
2. Jan. 1967	2	3	5	4				2	2		10	<u>28</u>
Total												46
<u>E. Jet Injectors</u>												
1. Oct-Nov. 1966	10		14			10				8	31	73
2. Jan. 1967	6	12	19	18	16		15	4	8			<u>98</u>
Total												171
<u>F. Freezers</u>												
1. Jan. 1967	12	8	13	9	1			6	4	2		55
2. Mar. 1967											39	<u>39</u>
Total												94
<u>G. Field Equipment(units)</u>												
1. Oct-Nov. 1966	8	5	9	8	8	1	8	4	2	3		56
2. Feb. 1967											91	<u>91</u>
Total												147
<u>H. Motorbikes</u>												
Feb. 1967	6		7	12	7	3	11		2	2	64	114

* Vaccine dose in 1000's

Table 3

Operational Commodities and Supplies
Procurement Schedule by Country
OCEAC Countries
FY 1967

<u>Item and ETA Destination</u>	<u>Cameroon</u>	<u>Chad</u>	<u>C.A.R.</u>	<u>Gabon</u>	<u>OCEAC Hdq.</u>	<u>Total</u>
<u>A. Measles Vaccine(doses)*</u>						
1. Jan. 1, 1967	-	-	**	20		20
2. Feb. 1, 1967	46	74	-	20		140
3. Mar.15, 1967	45	75	-	15		135
Total	91	149	-	55		295
Jet						
<u>B. Smallpox Vaccine(doses)*</u>						
1. Dec. 15, 1966	300	100	100	50		550
2. Jan. 1967	270	300	60	50		680
3. Feb. 1967	570	400	160	100		1,230
4. Mar. 1967	475	245	126	87		933
Total	1,615	1,045	446	287		3,393
Mult. Press.						
<u>C. Smallpox Vaccine(doses)*</u>						
Dec. 15, 1966	10	10	10	10		40
Jan. 1967	75	45	14	-		134
Total	85	55	24	10		174
<u>D. Vehicles-W500</u>						
Jan. 1967	10			2		12
-W200						
Nov. 1966		4				4
Jan. 1967		6		1		7
Total						11
-D200						
Nov. 1966	2			1		3
-Internationals						
Jan. 1967			4			4
<u>E. Jet Injectors</u>						
Jan. 1967	30	18	11	18	4	81
<u>F. Storage Freezers</u>						
Jan. 1967	8	4	1	8	2	23
<u>G. Freezers</u>						
Jan. 1967	30	20	8	9	1	68

Table 3 (continued)

<u>Item and ETA Destination</u>	<u>Cameroon</u>	<u>Chad</u>	<u>C.A.R.</u>	<u>Gabon</u>	<u>OCEAC Hdq.</u>	<u>Total</u>
H. <u>Field Equipment</u>						
December 1966		6		1		7
January 1967	1		1			<u>2</u>
Total						9

* Vaccine doses in 1000's

** 93,000 doses measles vaccine purchased FY 1966 PIOC for delivery to CAR was not shipped per decision AID/W. To permit CAR program to start in FY 1967, vaccine will be diverted from supplies destined for Nigeria

Mali and to Lagos for remaining countries through WACASC.

B. Vaccination Certificates

1. OCEAC countries - 3,963,000 fibre content cards to be available from printer Feb. 1967.
2. OCCGE countries - Senegal, Mauritania, Niger, Mali and Dahomey have requested cards. They will be available for shipment mid-January or early February 1967.

C. Outboard Motors

Nigeria 8

Gabon 2

Scheduled for delivery January 1967.

V. BUDGET

Pending signing of the PASA, AID/Washington has authorized funds for leasing houses, purchase of office equipment and household appliances and expenses of CDC assignees in Africa.

Reimbursable funds obligated by CDC through November 30 and direct allocations made by AID for housing, local travel, etc. are presented in tables 4 and 5 on pages 12 and 13.

VI. CURRENT SMALLPOX MORBIDITY

According to notifications received by the World Health Organization through November 17, 1966, 6,572 cases of smallpox have been reported from the 19 countries participating in the West Africa Smallpox Eradication/Measles Control Program. This compares with 5,604 cases reported during a comparable time period in 1965, an increase of 17 percent. The numbers of cases reported by country are shown in table 6 on the following page.

In Dahomey, 155 cases have been reported during September and October. Of the 155 cases, 68 were reported from the circumscription of Allada and 58 from the circumscription of Ouidah, both in southern Dahomey. Six deaths were recorded in Ouidah. Three additional cases were reported from Cotonou during the week ending October 9.

In Mali, nine cases of smallpox were reported from the cercle of Tenenhou, Mopti Region, during the week ending November 4. This is the first report of smallpox from this cercle since March when 2 cases were reported.

In Niger, 37 cases, including 5 deaths, have been reported from the cercle of Tera during the 4-week period ending November 7. Tera is in Western Niger, close to the Upper Volta border.

A sharp increase in cases has been reported from Togo. Of 128 cases reported since September 5, 108 were from the circumscription of Nouatja in the Region des Plateaux. Of the 108 cases, 48 were fatal, indicating a high case-fatality rate or additional cases with milder symptoms not reported. An additional 15 cases have been reported from the circumscription of Atakpame, also in the Region des Plateaux in south central Togo.

Table 4

Fiscal Report
Reimbursable Funds Allocated by CDC
through November 30, 1966
(in 000's of dollars)

Headquarters, Regional Program Office, and Country	Personnel Compensation	Personnel Benefits	Travel	Transportation of Things	Rent, Communi- cations and Utilities	Printing and Reproduction	Other Contrac- tual Services	Supplies and Materials	Equipment	TOTAL
Atlanta Headquarters	80.3	6.2	18.1	0.1	1.3	2.6	6.4	5.2	3.5	123.7
Regional Program Office	40.1	2.1	31.1	35.2	-	-	-	0.3	2.1	110.9
Total for 14 Countries	162.1	12.3	98.0	113.4	-	-	-	0.1	-	385.9
<u>TOTAL</u>	282.5	20.6	147.2	148.7	1.3	2.6	6.4	5.6	5.6	620.5
Cameroon	10.6	0.8	7.6	10.7	-	-	-	-	-	29.7
C.A.R.	12.6	0.7	2.0	-	-	-	-	-	-	15.3
Chad	4.1	0.2	7.2	10.1	-	-	-	-	-	21.6
Dahomey	8.7	1.0	4.9	6.0	-	-	-	-	-	20.6
Gabon	2.5	0.2	4.0	4.2	-	-	-	-	-	10.9
Ghana	1.6	0.1	6.0	-	-	-	-	-	-	7.7
Ivory Coast	5.8	0.3	2.5	-	-	-	-	-	-	8.6
Mali	10.0	1.0	3.0	4.0	-	-	-	-	-	18.0
Mauritania	5.0	0.3	4.0	-	-	-	-	-	-	9.3
Niger	10.2	1.1	6.3	7.0	-	-	-	-	-	24.6
Nigeria	64.6	4.3	34.0	56.1	-	-	-	0.1	-	159.1
Senegal	10.5	0.8	5.4	5.2	-	-	-	-	-	21.9
Togo	4.8	0.3	4.1	6.1	-	-	-	-	-	15.3
Upper Volta	11.1	1.2	7.0	4.0	-	-	-	-	-	23.3

Table 5

Direct Allocation by AID for Housing, Local Travel
and Local Operational Expenses
(in 000's of dollars)

Cameroon	15.0
C.A.R.	-
Chad	45.0
Dahomey	15.0
Gabon	8.0
Gambia	-
Ghana	6.0
Guinea	-
I.C.	9.0
Mali	15.0
Mauritania	10.0
Niger	-
Nigeria (RPO)	415.0
Nigeria (4 Regions)	70.0
Senegal	14.5
Togo	5.5
Upper Volta	<u>18.0</u>

TOTAL	742.0
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Office furniture and appliances (all countries)	96.0 (Incl. in above total)
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Table 6

Reported Smallpox Cases
in 19 West African Countries
1966*

Country	Most Recent Reporting Date in 1966	Cumulative No. of Cases		Comments - 1966 Incidence												
		1966	1965**													
Cameroon	April 30	3(r)	0(r)	2 cases reported from Division Mayo-Danai and one case from Division of Margui-Wandala.												
C.A.R.	***	0	0													
Chad	***	0	74(i)													
Congo (B)	April 3	2	63													
Dahomey	Oct. 25	460	162	145 cases reported from Circumscription of Allada, 59 from Circumscription of Ouidah and 52 from Circumscription of Aplahoue.												
Gabon	***	0	1													
Gambia	March 15	3	1	3 cases from Upper River, Division.												
Ghana	June 10	12(i,r)	6													
Guinea	Aug. 13	5	51	Telimélé Region removed from the infected area list during week ending November 3.												
Ivory Coast	***	0	8													
Liberia	***	0	49													
Mali	Nov. 4	279	545	78 cases reported from Cercle of San, 72 from Cercle of Nioro, and 55 from Cercle of Dire.												
Mauritania	Aug. 11	****	0	Smallpox reported present in Cercle of Hodh Occidental as of August 11.												
Niger	Nov. 7	882	385	168 cases reported from Cercle of Niamey, 149 from Cercle of Tillabery and 132 from Cercle of Dosso.												
Nigeria	Oct. 8	4569	4180	<table><tr><th>Provinces</th><th>No. of Cases</th></tr><tr><td>Northern</td><td>4052</td></tr><tr><td>Western</td><td>297</td></tr><tr><td>Mid-Western</td><td>115</td></tr><tr><td>Lagos (City)</td><td>91</td></tr><tr><td>Eastern</td><td>14</td></tr></table>	Provinces	No. of Cases	Northern	4052	Western	297	Mid-Western	115	Lagos (City)	91	Eastern	14
Provinces	No. of Cases															
Northern	4052															
Western	297															
Mid-Western	115															
Lagos (City)	91															
Eastern	14															
Senegal	***	0	0													
Sierra Leone	Sept. 24	123(i)	56	86 cases reported from Eastern Province.												
Togo	Oct. 23	167	10	128 cases reported since Sept. 5, including 108 cases and 48 deaths from Circumscription of Nouatja.												
Upper Volta	Aug. 17	67	13	Cercle of Dori removed from infected area list week ending November 17.												
	Total	6572	5604													

* Reports received by WHO through Nov. 17, 1966

** Comparable time period in 1965

*** No cases reported to WHO through Nov. 17, 1966

**** See comments - 1966 incidence

(i) Includes imported cases

(r) Revised

VII. SURVEILLANCE REPORTS

Four surveillance reports concerning the West Africa Smallpox/Eradication Measles Control Program have been issued by the Smallpox Eradication Program, Communicable Disease Center. Each report includes a summary of current smallpox morbidity patterns in the countries involved in the program. Additional epidemiologic observations are included.

In addition, a special report on smallpox and yellow fever cases, deaths, and vaccinations for the years, 1940-1965, was included in Surveillance Report No. 3. Surveillance Report No. 4 included a special demographic report including current population figures, population projections, and vital statistics.

Surveillance Report No. 5 is in preparation and will include special reports on measles morbidity and vaccinations since 1960 and also recently published data on the leprosy problem in West and West-Central Africa.

J. D. Millar, M.D.
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DISTRIBUTION

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