

Smallpox - AFRO Program Development

Much has happened in yr. - July ~~April~~ 1966  
Miller decision to go to London

EDS Council 1966

Intro. : First session (except Day 1) when we have been able to get together  
Talked to some of you ~~to~~ separately and, to a degree, in groups. <sup>The E-1 postponed to the 11:50</sup> like  
to take A.M. ~~until about 11:00~~ <sup>until about 11:50</sup> informally to discuss this Project  
which we are about from its inception ~~part~~ - the various chains of circumstance  
which have led us here - the perspectives which we have on the Project and  
why. <sup>↑</sup> Informal. Questions any time.

Churchill's belief - can understand how & why something happened - can understand it better

Statement of Nov. 23 - Pres Johnson. -

Three principle threads which led to this point. ① AID ② CDC ③ WHO  
AID - Change in JFK's <sup>recog.</sup> ~~emphasis~~ of AID and emphasis on economic growth.

Medical programs dwindled. Pandemonium swung far to the left.  
Enders developed + tested <sup>live</sup> measles vaccines → ~~reaction problem~~ <sup>produced measles infection</sup>  
but contrary to: security (low over expense).

Measles kills off the. - ? admin. of vaccine to children & eradicating diseases.

Rationale for testing in Africa. (Mortality - anyhow)

DBS concerned in licensing -

Mayer - 1961 - Upper Volta. Limited study - a little  
~~Lambin returns~~ <sup>came over</sup> (politician par excellence - persuaded AID)

Lambin went out

That this was great thing - measles in Africa - mortality & fear

AID made available funds for countrywide program -

Mayer - Mrs. Parham - ~~Holcatter~~ <sup>went back</sup> - 1962

At this point - vaccine ~~cost at \$1.50/line~~ <sup>MSD only supplier</sup>

Story - anticipated 350,000 children < 6 (why 6/12 - 6 yrs.)

for S. Amer. - 732,000 vaccinated

(? pop. data - ? age guessing poor - No appraisal)



Requests by other countries - Benin - great politician.

Training programs - 6 countries <sup>1963</sup> Mrs. Mayo / Mrs. Benin.

did 5000 - 10000 per country vaccine licensed - sold @ \$1.50/dose.

Preparations laid - on to 6 countries in the fall of 1964.

SG decided that this was not business of DBS to do more of this.

Request to send 1 observer for a month or two. - No need to speak French.

MSD - 'donated' money for 1 <sup>overall</sup> ~~adviser~~ campaign director.

Logistics for operation ran out of a two man office in AID. - on < 1/2 basis.

↳ little knowledge of problems of W.A.

The 2 months observer began a 6 month rescue operation.

Vehicles - specially built. (describe) - cost \$10,000

↳ blow ups.

gas - "appetite not like a bird"

tank fell off.

Jet guns worked from generators - continually breaking down  
loud speaker system - horn - control system located.

Delivering -

Labeling on vehicles - Spanish.

Small parts - no mechanism for local purchase -

"If they knew problems here, they wouldn't take".  
organized med. service <sup>organizing</sup> ~~service~~ <sup>maximally</sup> - (MSD informant)  
vehicles shipped to him.

Cameroon - June -

July '65 (one yr. ago) - AID requested another meeting - would we help on  
the next year's measles program? 9 men g. 6 mos. each - impossible

~~Discussed at some length - decision~~

Concern as to when measles program was going 25% each yr. for 4 yrs.  
then maintenance program.



Meantime:

3 yrs. ago - working in jet injectors for mass campaigns - Jew. Subin - epi. acid -

Haron Ismael (meet later) developed - foot model + intradumal head. No interest on part of Army in testing.

Samples brought down to us. Tested finally - 3 mos. - wheels!!

Began work on spox. - Prisoners at Atlanta Pen. Then at Reidsville (vicissitudes - prisoner escape). Jamaica (another program) Finally to Tonga.

Felt that this gave the smallpox erad. prog. a boost.

(Great doubters - Charles Cokburn - told - cable from Bourabou)

Meantime - involvement in spox.

Began in measles vaccine export com. mtg. - writing capability.

Take in '64 - team to draw up DC report. - Anita, Mackenzie + myself. etc

Spring - hurry up call to come over - Cokburn + I wrote the report.

Talked in OIH - PHS on return - interest in press release -

suddenly Pres. J. announced U.S. support for global program and promised help (May '65) to S. America.

Returned in July <sup>1965</sup> as consultant re: surveillance + Epi. Res. Prog. -

"What have you done in response to LBI" -

Waiting for U.S. to say something more. Come on over.

~~budget~~ rigid - '8' % + annually - proposed special budget to Assembly. Are you serious or not?



July '65 - Considering what to do re: measles program

Probable - forced to provide some help. Suggest ~~something~~ <sup>some</sup> constructive approach. Smallpox - 18 countries added. Operations & PHS. Thought this might be the end - short of this it made no sense.

Dr. Rashka & ADB Sigel came over <sup>Aug</sup> (more later). Discussed  $\bar{c}$  AID ~~Joint~~ Backed regional approach strongly. Candau, DC, also visited and expressed same views.

AID didn't like Nigeria + Ghana. -  
Nigeria - economic aid only policy

Ghana - Nkrumah - problems to deal with.

Finally - mtg.  $\bar{c}$  Dr. Rashka from WHO, AID, PHS.

11 countries "in or out" 16 countries - 18 countries.

Decisions at AID dragged and dragged. Finally "1/19 ~~mtg.~~ <sup>OCCGE  $\bar{c}$  mtg.</sup>  
Gelfand, White, myself - if to go - had to leave that day.  
S.G. said "no decision - forget it".  
"1/19 AID approved -  $\rightarrow$  went to White House.

via WHO (mem is the word)  
To OCCGE. mtg. - ? anything to say - postponed on agenda -  
Ademola <sup>Harvard  $\rightarrow$  CDC</sup> - a plans (since seeing you) - diverted trip.  
Organized Federal Council. - letters prepared - ready to send to AID, WHO and CDC.

Announcement came - <sup>garbled way</sup> - Am. Estos made announcement or at least we guessed what had happened and put the thing together.



Meantime - assistance to AID in 1965-66 measles program -  
heavy duty performed by R. Haden + B. Challenor + sev. others.  
Made program go - good part of this, however, spent in logistics -

in country - not existent.  
spare parts - would it purchase  
trucks - falling apart

Next month in Africa - talking to various types. -

Belfed, White, + myself. -

Returned <sup>via WHO</sup> to org. planning mtg. for week of Xmas.

Foster, Lythcott aboard more or less. - staff in Atlanta.

Began - Proxy interest (speech to Congress; special speech Helton Mo.; sev. press conf.; SG + CDC support. "Deal directly")

Between January + now - ~~series of~~ Branch to be organized

Staff of 60 needed, <sup>recruited. Expenses for (taken)</sup> Plans + supplies to be estimated for each country

~~Plan~~ (George, Honey, Rafe)

Processing for security, phys. exam. - much taken ~~off~~ over by Bill + Page to move prog. to exp. speed.

Course to develop.

Resource data obtained.

Set gun manual develop/field test

Methods <sup>admin. + tech.</sup> developed.

Everything is <sup>in a process</sup> ~~in a process~~

Certain principles:

1. Staff was key - if nothing else - staff + adeq. equipment - much could be done
2. Countries to minimize <sup>Staff permanent - not based AID.</sup> (elaborate)

3. Plans for individual countries. - general scope to permit procurement.

4. Greater vision in international health. - Many of us long term interest but feeling ~~much of it~~ few opportunities + many badly directed.

a. Public Health + Preventive medicine - develop. countries.

Costs of curative care are prohibitive - a luxury

b. Training of physicians + other health workers - U.S., U.K. -

Workshop curriculum -

Procedures + techniques - spec. for U.S. or U.K.

Well-child conference etc.



e. This program - <sup>strong</sup> basic principles in

- 1) epidemiology
- 2) surveillance + disease reporting
- 3) mass approach to medicine

Our job is eradication - but our horizon must be broader - not written in E-1, etc.

Global Eradication - Smallpox

Measles - in a sense a sideshow - vaccine = \$.45/dose (concern vs. \$.04 per dose) - greatly desired, however, and is in a sense a lubricant.

Erad.	WHO	'50	
	WHO	'59	Reserve proposal no money
		'65	"A principle responsibility"
		'66	Money <u>but</u> <u>over</u> <u>objectives</u> .

Begins 1 Jan. '67

W.A. ~~is~~ is the spearhead - 1<sup>st</sup> real worldwide program - push. Health services less developed; logistics in transport frightfully difficult. ~~Thought that it would be done in Africa before S.A. has motivated WHO~~ like nothing else ever would.

Great impetus to FY66 budget for WHO.

Approach is different than malaria erad. approach - disease is different. Malaria - around the block house-by-house. (vectors; infected man, etc.)

Smallpox vaccine ~~is~~ is now ~~used~~ used in many areas like malaria - some countries - some failures.