

History of Smallpox

Bd of Trustees
Library of Medicine
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Hazard of being responsible for eradication program - probably for you have considered risks.

At one stroke, one's base of expertise is wiped out - little left to do

• You do me a special honor in inviting me to ^{meet} with you - indeed with many old friends.

The Library of Medicine ~~has been~~ ^{for} represents ~~to~~ all of us as an ~~international~~ ^{international} treasure, a ^{unique} ~~resource~~ ^{resource}

which is ^{truly irreplaceable} ~~irreplaceable~~. To me, it has always had a special meaning, having its

roots in the vision of one of my personal heroes - John Shaw Billings who, as I'm

sure you all know, was ^{also} the architect of Johns Hopkins Hospital among his myriad other

accomplishments. More than once wondered what Billings would do about our parking problem - ^{always shown} ~~was~~ ^{still} ~~was~~

Of even greater significance to me is the tangible concern and interest you have ~~shown~~ ^{shown} in

the international stage in fostering ^{on the part of scientists throughout the world} ~~access~~ ^{access} to the world's ~~literature~~ ^{literature} from the perspective of an

international civil servant, ^{it was clearly apparent everywhere} ~~from~~ ^{from} the perspective of an

^{seen as} ~~an~~ international resource and treasure without peer ^{It was apparent} ^{international outreach} ~~that in your~~ ^{you probably do}

more the bridge national parochialisms than any other institution we have. ^{would be} ~~It is~~ ^{certain}, however, that the budget for such activities does not begin to reflect this.

• It is, then, with special pleasure that I offer to you to write a new book with the imaginative title "Smallpox and Its Eradication". In fact - tells you more than you want to know about the subject - and at the same time ^{can be} is a hazard to your health, if not your survival.

You have asked that I say a few words ~~about~~ ^{time} smallpox eradication - perhaps the book could be entered in the official records as an extension of my informed remarks. And, indeed, I shall endeavor to be informed - perhaps touching on a number of points which, be it or not, do not appear in the book.

Disease ① ② ③

Blindness ④

Disease
App. in antiquity ⑤ Diseases

3000 yrs.

SARAT.

Spread across world.

Everyone eventually got the disease (Middle Europe)

Gods + goddesses ⑥ ⑦ unique among diseases.

Mae Carley ⑧

Aztec/Inca

American Indians

Lincoln

late 1700's - fair complexion of dairy maids → ⑨ Jenner

Cowpox ⑩

Vaccination spread around the world - Immunologists date this as beg. of their box.

Problem of arm to arm transfer → grafting & cow ~~last of kind~~

1950's - freeze-dried vaccine ⑪ Freedom from smallpox 1958 in Europe +
w. John Coutinho
Asia + S. America

1958 USSR proposal why? ~~not to be taken~~

Victor Zdanov / Minneapolis / quoted Jefferson

DeKamann response - US pushing measles eradication / seen as East-West confrontation.

1954 Approved 80%

New Delhi 120%

Expert Committees. ~~not to be taken~~

Break

Let me direct briefly as to how I accidentally got involved in the enterprise

1955 - joined PHS - not because of an interest in public health / high motivation -
no uniforms, salary,
morale, etc.
with 2 mos. - Chief of EIS not because of ability

Challenging, exciting, esp. on occasions 1x/yr - asked to undertake missions abroad

My boss, ADL - a brilliant, marvelously contentious individual - talked to me about a Syo.

training program / proposed to PHS / I applied. return of Syo.

Cardiology vs. epidemiology → MPT

1960 - return to Atlanta. -

One intl. mission each yr. / remarkable transformation of those who went. Quality of ESS

Began process of soliciting business - Peace Corps / ASD / Army / WHO / wherever

Soon 2-3 missions at any time - outside the country.

Among those who went ^{and stayed in P.H.} / Foerger / ^{Peter} Grosswald / Brody / ~~Atkins~~ / R. Henderson / M. Morrison.

One such initiative got us into trouble.

Morales vac. - 1961 -

1962 - all of U.V.

1963 - 6 teams from 6 countries

1964 - field operation - Harry Altman.

1965 - proposal for 9 ESS offices for 6 months.

Quandary / counterproposal / Johnson's Intl. Coop. Yr. (Bill Moyar) Nov 65

~~1966~~ 1966 World Health Assembly
\$2.5 million

10 years - why?

(13) Status U.S. director needed -

P.H.S. attitude - my experience.

(14) Char. favoring eradication

(15) "Every case a failure"

Word about size of our staff

5 prof. - 3 each / in field ≤ 100 .

(16) ~~WHO~~ ^{WHO} Bleg - remote, ^{what} countries ~~did~~ agreed in Assembly, did not always translate

^{which} Nigeria / Hytheott.

(This one can't teach in school of p.h.)

Vaccination + Surv. / containment

(17) 1970

(18) 1973 That which worked in Africa - not working in subcontinent

Plan that summer.

(19) First search - ~~not~~ special techniques

110 000 health workers / home to home

• Market - School search - young boys

no off-sally

Illustration / notes of staff /
Episode: January 1974

• Isolating patients

- 20 Reward for a case
- 21 May 1975 - last case in India - Oct 1975 (nearly 2 yrs.) - last case in Asia

22 "only" Ethiopia

23 Roads / insurrection / kidnapping / helicopter destroyed by hand grenade (Ethiopia)

24

25 Ali Masali

last case in a continuing chain of transmission extending back at least 3000 / 70000.
10 yrs. / 9 mos. / 26 days Cost \$100 still in

26 WAA
27 WAA

Barry the impression - never another case but 28

28 Mahatma Gandhi -

Global Immunization Program - Then and now. 29 So successful - polio erad. in Americas.
DRT - 1975 and now.

Together - The Child Survival Revolution - World Bank, IADB, UNICEF, WHO and Rotary International

Hoykins, proud to say, playing a vital role of 300 f.t. faculty
also the world's largest academic ctr. devoted to int'l. health.
We're doing a lot but ~~then so far~~ not far from enough.

30 Gabriela Mistral