

A Vanquished Dragon Enjoys a Resurrection

Dr. Stella.

Appreciation to Dr. Higuchi.

Very much appreciate the honor of being asked to be the 6th Higuchi Memorial lecturer and to have the opportunity to visit the international class department of Pharmaceutical Chemistry which he founded. Thank you so much for inviting me.

20 yrs. ago <sup>1980</sup> a great adventure drew to a close - the eradication of a disease - smallpox <sup>the first time</sup> - first time any disease has been eradicated - the fact that smallpox has been, for the most serious of all justifiable diseases made the achievement that much more gratifying. (200 x 10<sup>6</sup> deaths of 34 million in all armed conflict) More than 150,000 participated in a campaign which extended over 14 years.

This evening, I should like to ~~review~~ <sup>recall</sup> what that disease represented, what was achieved at what price and ~~what it cost~~ <sup>how</sup> ~~once again we see the dragon stirring~~ <sup>my case</sup>

This evening I would like to walk <sup>with you</sup>

back ~~to~~ <sup>through</sup> a bit of history (some of it little known) - what smallpox has meant ~~to~~ <sup>through</sup> the ages - how an eradication program was born - and struggled; and eventually succeeded - altho just barely. How we believed the smallpox chapter ~~had~~ <sup>had</sup> been finally closed - only to discover that in explicit acts, first by the Soviet Union and subsequently the ~~USA~~ <sup>USA</sup> have set ajar the lid on Pandora's box. Reference ~~to~~ <sup>in</sup> ~~the~~ <sup>the</sup> ~~article~~ <sup>article</sup> in New Yorker - this is "Demon in the Brogue" Mar. 4-11.

Smallpox - date last ~~1000~~ <sup>1000</sup> + yrs. + < 10000 yrs. + CFR 30% + spread any where -

②③ Gods Stella Maki / Japan

④ MACAULEY

⑤ ROUSSEAU

⑥ PAINDRESS

⑦ CORTEZ

⑧⑨ JENNER - MILKMAID - THE POSTOLE <sup>Case of v.pox & Underst Res.</sup>

Progress - sporadic - arm to arm vaccination

Island countries - require vaccination / epidemics → U.S.

U.K. & Germany - spy hospitals.

Abraham Lincoln

11 WTA Victor Zhdanov, 1958  
1966 - Centennials 10 years.

- 12 States
- 14 Strategy
- 15 Voc. devices
- 16 Notebook holder
- 17 Spoon - looks like.
- 18 Spoon - 1970
- 19 Spoon - 1973
- 20-23 Movement in subcontinent
- 24 The beach
- 26 Rewards
- 28 Ethiopia
- 29-31 Roads

32 <sup>WTA</sup> a vac. stopped  
33 EPI

Cost = \$100 x 10<sup>6</sup>

Point unfortunably a dark with  
Kerala - India  
1980 -

Post evaluation

- 1 Committee -
- 2 1990
- 3 Pros. of genetic info.
- 4 Uses of vaccine virus in lab.
- 5 Scientific committee
- 6 1994 Com.
- 7 1996 WTA ~~WTA~~
- 8 IOM Report
- 9 Who should decide  
U.S. View
- 10-11 WHO resolution -

NOT NEEDED FOR VACCINE

We have 7x10<sup>6</sup> doses  
Now proceeding to develop a smallpox vaccine  
stockpile of 100-135x10<sup>6</sup>  
Design of smallpox virus casts a long and  
evil shadow - I can assure you that none  
who have ever dealt with the disease ever  
want to see it again.