

Dr. Herman / Kaiser

2000
April 5 1971

English
Seventh Annual James Steele Lecture

I am especially honored to be asked to give the 7th Annual James Steele Lecture and particularly pleased to be able to renew a friendship which goes back fully 45 years. It was in 1955 that I embarked on my career in Public Health as a new inductee into the Epidemic Intelligence Service. The CDC was then housed in downtown Atlanta office building and had laboratories in temporary buildings north of the city. ^{There was} ~~Outside of~~ a veritable fleet of entomologists and engineers who were engaged in malaria eradication, ^{but} there were few ^{other} permanent CDC staff. ~~instead~~ There were, however, two giants -- Alex Langmuir and Jim Steele and quality fully compensated for quantity.

^{My memories of those days are vivid}
I had never dealt with a veterinarian before ^{and never anyone in the field of medicine like Jim Steele.} It ~~was~~ quite impossible to discuss any disease problem without Jim drawing on his encyclopedic memory to offer multiple ^{and insights re:} different parallels ^{and "z"} between human problem "x" and animal diseases "y" ~~but~~ ^{we physician} while we were discussing ^{disease} the manifestations in one simple human primate, he was quite capable of expounding on the manifestations in at least three other species, usually amplifying his observations based on a number of research findings still ^{writing} to be published. He was an inveterate world traveler, invited everywhere and, like a sponge, seeming to absorb everything he saw or was told. He was awesome. He was even more awesome when, in friendship, he welcomed one with the hearty abrazo of a former Michigan State linesman, an act that literally left one breathless and hoping that one's rib cage was still intact.

There was one when we were puzzling over a disease problem
~~The~~ only occasion when Jim failed to offer me startling new insights from the veterinary world ^{This occurred} ~~was~~ at the time we were preparing to launch the smallpox eradication program. ~~The~~ key question -- was there or was there not an animal reservoir? The scientific world, after all, had been ^{our} ^{impressively} surprised to learn that there was an unanticipated jungle reservoir for yellow fever and one for malaria as well. He contemplated the question for some time and finally said "No, you will not find an animal reservoir for smallpox." And, of course, he was right.

Jim's contributions to the field of public health can never be fully documented. He has been the essential catalyst to so many developments -- from the creation of the field of veterinary public health itself to the efforts finally being made to introduce the widespread use of irradiation for the preservation of food. It is an honor to offer this lecture and to have ~~had~~ the opportunity to spend time in Houston with Jim and so many old friends at the School of Public Health.

+ Principal lecture learned

SLIDES.

chapter in my life

- all of us unwitting participants in a drama.

① ~~1990~~

② Prudent vision - my involvement

③ 3 reasons. - Iraq last

④ Ekers

⑤ Most likely agents

⑥ " "

⑦ - ⑫ Smellpox case

⑬ Cys x. of vac.

⑭ Moschele

⑮ Patient

⑯ Epi curve

⑰ The hospital

⑱ KOSOVO

⑲ Hem. spr.

⑳ Epi curve

㉑ Changing Nature of Threat

㉒ " how great the concern

㉓ Colin Powell

㉔ If WTC had been biot.

㉕ Vol. threats - not much discussed publicly - privately, concern as great or greater

FMD - highly contagious picornavirus - last in the U.S. in 1929

last present in South America, Africa, Asia. Does not infect man.

Morbidity - can reach 100% - mortality 25% cattle 75% sheep & suckling pigs

Virus shed before dxs. can spread long distances by air. cattle can shed the virus for

1-24 months; virus is hardy, easy to disinfect

A family of strains which no one vaccine will protect against.

Once established - only method for eradication is slaughter

AFRICAN SWINE FEVER - a virus

Can result in mortality of close to 100%

Difficult to inactivate - may be transmitted thro garbage.

Does not induce antibody - no vaccine.

POD -
1st responder - HAZMAT
66 team can.
Belto - Lab. Team.
RAM team
Bartlett + J. O. Oroszkow.
Sept. 97 EDIA mtg.

Implications of a bioterrorist attack are staggering. Our protection, until recently has been the threat of attribution - draconian measures.

10 farms - 2 billion

95-99

㉖ Consequences different - SAME AS USED FOR NEW & EMERGING INFECTIOUS DISEASES

㉗ Mod + P. H. -> 5 PITS involved until last FY.

A problem which will not go away

LEAD 95 / 1st responder
RAM team
LOGO