Dear Doctor Sabin:

Dr. Paul has asked that I send you this transcript of a teletype conference on 10 February 1948.

Sincerely yours,

Anne D. Sheldon
Administrative Assistant to Dr. Paul

ADS:fd

enclosure
SUBJECT: Japanese B. Encephalitis Vaccine for Guam.

CLASSIFICATION: Restricted

FEC: Sera submitted from Guam to 406th shows positive complement-fixation titers with both Jap B and St. Louis. Rises in titer demonstrated in two instances in which paired samples were submitted. Results of animal and egg inoculation from autopsy specimens are not yet available. Further clinical information indicates no significant age incidence, that many of the cases are mild and that the more severe cases demonstrate relatively
typical symptoms of Jap. B. On the basis of clinical histories submitted, it is doubtful that the two deaths reported among Navy personnel represented the same type of disease. Attempts at isolation are in progress and will be reported later.

A team from this Hq. will leave tonight for Guam to make epidemiological studies, provide diagnostic laboratory service and advise on suitable control measures. Probably will be necessary to refer part of collections to you.

Sporadic cases occurred on Guam in Dec., which is the beginning of the dry season, and in the absence of any pertinent information concerning the possible vector, it seems probable that cases may be expected to continue to occur at least until the beginning of the rainy season in June.

All possible measures aimed at insect control will be taken. However, we feel that vaccination should be accomplished if available supplies permit. On the basis of your report, there is now present in the theater less than 250 vials of usable vaccine from last season. Information is requested as to the amount of vaccine presently available from you. The total population of Guam is in the neighborhood of 85,000. Because of the limited area involved consideration may be given to the possibility of utilizing wet vaccine rather than the lyophilized form. Request your opinion and any information you may have from Hooper Foundation.

So far as we know, this is the first report of Jap B on Guam and presumably should afford a very good chance to test the effectives of the vaccine dealing with the disease as it occurs in a population of non-immunes.
Can ship immediately 150,000 cc dried Jap B vaccine. No time gained by supplying wet vaccine because of time for assays.

Request names of Epidemiological team going to Guam. Army Epidemiological Board desires to send Drs. Hammon, Mieklejohn immediately. Navy officials here concur. Can your entomologist be included on your team?

Efforts to determine efficacy of Jap vaccine should be made if vaccine used on Guam. Type of study to be determined by visiting teams. Navy here concurs in any type of study set up.

Hooper Foundation reported 3 Feb. 1948, as follows:

1. Patient showed rise in complement fixation antibody titer to Jap B from 1:8 to 1:128 between 5th & 22nd day.

2. Sera from 3 fatal cases showed no antibody. Two other fatal cases revealed low antibody titer.

3. Virus isolated from brain of and complement fixing antibody prepared from brains of mice on first passage. This antibody reacts specifically to Jap B anti-serum. Report on 9 Feb., this virus confirmed by neutralization test.

4. Virus as yet unidentified isolated from brain of 1 fatal Navy case.

**FEC - EQUINE VIRUS**

Cross protection tests in immunized animals indicate difference between this strain and the Nakayama strain of Jap B although there is some crossing. Plans have been completed to ascertain how much of this difference may be due to host specificity and include artificial inoculation of horses with equine strain and Nakayama strain.
DA:

Does Nakayama type Jap B vaccine protect mice against 1947 equine virus? Suggest if this data not immediately available that mouse adapted equine virus be shipped to school for this test.

FEC

Mice immunized with Nakayawa strain show some protection against equine 1947. Not of same magnitude as homologous virus. Will send mouse adapted strain with courier.

FEC: INFLUENZA

Have not encountered serologically positive cases of influenza in Japan or Korea. Overall respiratory rate has been low. Influenza virus agglutination-inhibition tests were performed with pre and post vaccination serum specimens from 53 military and civilian personnel of 406th immunized with influenza vaccine. The 3 virus components of the vaccine were used as antigens. Results with PE-8 and Lee strains are comparable to results obtained last year and show definite rises. Practically no rise was demonstrable with FM-1. What is current concept of cause of respiratory outbreak on West Coast?

DA:

Current outbreak on West Coast is influenza Type A closely related antigenetically to 1947 strain FM-1. Low incidence in military personnel. Respiratory rate for troops in U.S. remains low.

FEC:

Minimal amount of typhus is occurring among Japanese primarily in the Tokyo and Osaka areas. With the exception of Osaka, practically all cases are considered to be murine in type, approximately half the cases in Osaka are epidemic type both from the standpoint of serological examination and epidemiology. 21 Serologically epidemic cases recently confirmed in Korean native in Kyungsang Pukte Province.
FED:
What is assay value of Jap B vaccine lot 205A? Tentative arrangements completed for test of this material in Okayama utilizing previously vaccinated individuals.

DA
Jap B lot 205A assay value 0.008 cc.

FED - NAMES OF TEAM
Col. G. N. Schuhmann, MC
Lt. Col. W.D. Tigertt, MC
Major T.O. Berge, MC
Maj. K. E. Jones, Sn. C.
Capt. W.L. LaCasse, Sn. C., Entomologist

Request 150,000 cc be shipped to Guam immediately via air. We will provide air priority.

DA:
Major Joseph Webb who is a Yokahama has had considerable experience in mosquito control on islands. Suggest consideration be given to assigning Webb to Field party along with LaCasse.

FEC:
Major Webb and trained enlisted men are being considered. Engineers from Philippines are sending Mr. Morriel.
Consider decision for investigation team of Hammon and Meiklejohn is Navy problem on Guam. We would be happy to have both men. Request clearance with Navy if they go to Guam.

DA:
Hammon and Meiklejohn going to Guam with concurrence of BUMED SURG NAVY. Clearance from Navy officials at Guam has been requested by BUMED SURG., Washington.