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REPLY TO

ATTN OF: Carleton L. Lohse, 1Lt, USAF, (Veterinary Corps) 18 March 1962

SUBJECT: Outline of a Proposed Research Project on Diseases of the Canine and Equine in Southeast Asia; Specifically South Vietnam

TO: Mr. W. H. Godel

Under the present concept this research would be primarily in the South Vietnam area. Basic knowledge of animal disease problems is needed in other localities such as Thailand, but this outline is intended to explore possibilities for research in the South Vietnam region only. The gathering of material, disease studies and listing of basic facts will be limited to the canine and equine diseases. Research detail and scope will depend on the availability of personnel, facilities, equipment and other conditions not as yet known.

The casting about for ideas and a starting point has resulted in the following outline of possibilities. First of all a research project of this type would have to be staffed with trained personnel. Probable sources of these people are the Vietnamese and United States military and civilians trained in the needed professions. In less technical areas such as helpers and drivers the Vietnamese may be utilized to advantage. The suggested staff would be headed by a director of research projects. A man of "broad biological background" with training in several fields would be necessary to co-ordinate project efforts. Captain Claude T. Adams, 5th Epidemiological Flight, Yamato, AS, Japan has these qualifications. His training includes a Phd in a biological science field. If a similar research project on human diseases or in medically allied fields was initiated this officer could supervise both and advantages would be gained by doing the work simultaneously. In addition those diseases of animals transmitted to man from specifically the canine and equine could be studied with increased emphasis and effectiveness. Examples of two diseases transmitted from these species to man are rabies and equine encephalitis. Other personnel specialists would be the research director for diseases of animals assisted by two or three other veterinarians, a veterinary parasitologist, entomologist, pathologist and a bacteriologist-virologist.

One veterinarian could be assigned to literature review. Assisting him could be a Vietnamese veterinarian who would have to read, write and speak French, English and Vietnamese. Major Quene, presently assigned to the Cong Hoa Hospital, has these qualifications. He is interested in this subject and could possibly be assigned to the project. An assistant and a clerk-typist would be necessary for this portion of the research project.

Sources of information and literature include the Pasteur Institute at Nha Trung which has reference material from previous French studies.

This reference material could be examined in the light of newer knowledge and evaluated. Possibly the information gained could be used in a small portion of the research publication. The military school at Dalat has a number of horses together with records from a pack company. This information area on equine diseases could be explored. Military dog project reports together with information on health and veterinary care of the dogs at the present training center are sources of canine disease diagnosis and treatment. The Tan San Nhut Breeding Farm and related government supported centers are additional sources.

Working closely with professional people would be individual <sup>section</sup> assistants. Their salaries would come from project funds. An approximate number would be eight, four U.S. personnel and four Vietnamese. Vietnamese personnel would of necessity speak English. Direct hiring using project funds rather than Vietnamese Government employees or Army personnel is advantageous. A minimum of four clerk-typists, one of which should be U.S. trained would be required. They would be needed together with approximately ten general field collectors and drivers.

Facilities for both offices and laboratories could be set up in Saigon. The idea of doing research of this nature was explained to Dr. Luong, Director of the National Laboratory of Microbiology and Animal Pathology, who agreed to the use of facilities. This laboratory is located at 29 Pham Dinh Phung, Saigon. Dr. Luong, being a veterinarian, and at present working on vaccine production would assist the project as an advisor. The building was constructed in 1959 and 1960 with the aid of USOM funds, and has a great deal of available space which could be used. Additional buildings in the rear could also be used if renovated.

Equipment needed to set up this project would probably have to be purchased in the United States. The total complement of microscopes, lights, incubators, centrifuges, glassware, ect. for laboratories would be required even after considering an available facility in which to operate. Each individual in charge of a section could make the necessary equipment selections. For example a veterinary pathologist from Iowa State University could be allocated funds to purchase laboratory and field equipment which would accompany him in transit. This equipment might be considered expendable and remain in Saigon at the termination of U.S. sponsored research, and the Vietnamese could continue to use it in the laboratories.

Vehicle purchase, security for collection teams, housing for project members are other problems that would require attention. Duration of the project would have to be determined. A minimum of six months and a maximum of eighteen months are possible limits. A large appropriation of money would be necessary to initiate and support this project. Approximately fifty thousand dollars for equipment purchases, fifty thousand dollars for installation, modifications and maintenance of office and laboratory facilities together with expenses of operation would be needed. Personnel salaries for non-military are another area requiring large expenditures. Two hundred thousand dollars is an approximate sum estimated to complete a project of this type.

If a reduced authorization is granted a minimum of one U.S. Veterinarian and one Vietnamese Veterinarian together with an assistant and typist could review the literature, gather basic field information and compile it in a pamphlet. This is an alternative suggestion and would provide a much less comprehensive study of the problems of disease in dogs and horses. It would provide a source of information as reference to these diseases which is not presently available in complete form or in the English language.

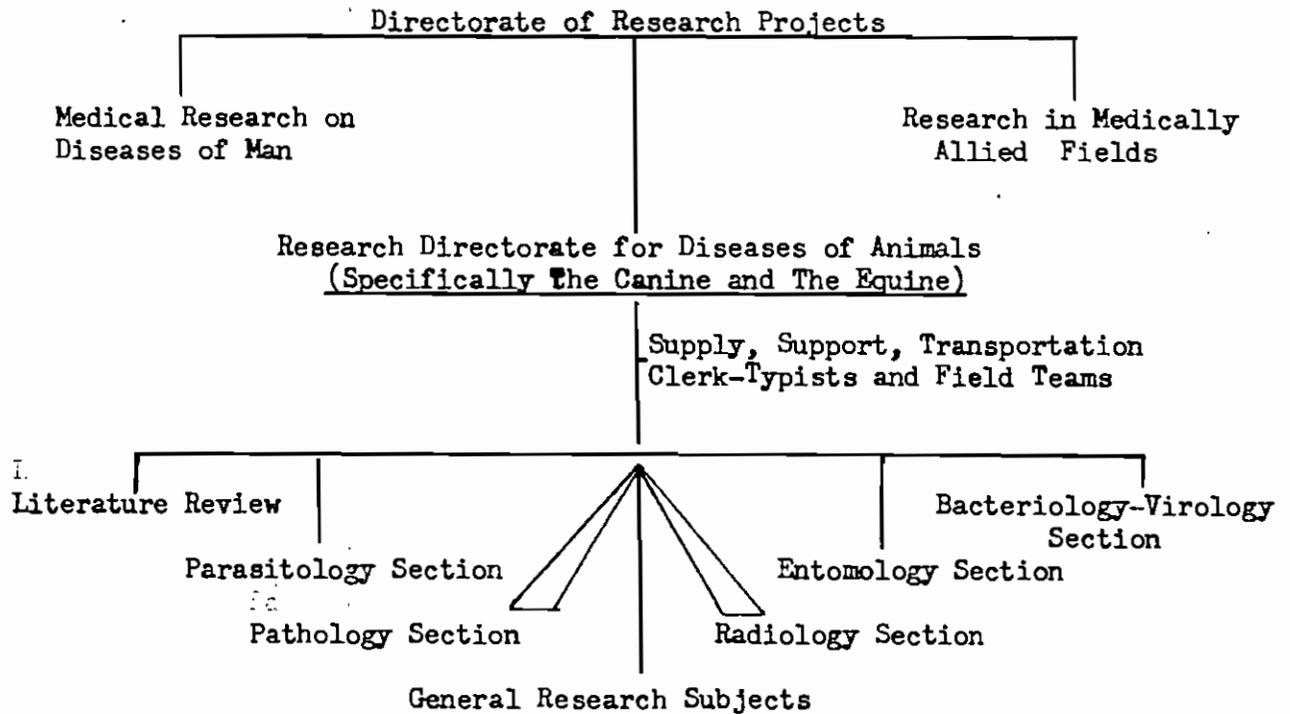
*Carleton L. Lohse*

CARLETON L. LOHSE  
1Lt, USAF, (Veterinary Corps)

one attachment:  
Organizational Outline and Personnel  
Requirements of Proposed Research Projects

ORGANIZATIONAL OUTLINE AND PERSONNEL  
REQUIREMENTS ON PROPOSED RESEARCH PROJECTS

I. Organizational Outline:



II. Personnel Requirements for the Research Project on Animal Diseases:

A. Professional:

1. Research Project Director	1
2. Veterinarians Trained in the U.S.	2-3
3. Vietnamese Veterinarian	1
4. Veterinary Parasitologist	1
5. Pathologist	1
6. Entomologist	1
7. Bacteriologist-Virologist	1
	7-8

B. Assistants to Professional People:

1. U.S. Trained	4
2. Vietnamese (Semi-Skilled Lab Workers)	4
	8

C. Additional Personnel:

1. Clerk-Typists	
a. U.S. Trained	1
b. Vietnamese	2
2. Field Collectors and Drivers	4
a. Vietnamese	10

D. Total Personnel Requirements:

30 - 31

