

ANNUAL PROGRESS REPORT

SEATO Medic Study No. 90: Pathological Survey of Vertebrate  
Fauna Trapped in Udorn and Chiangmai  
Regions

Project No. 3A 025601 A 311: Military Medical Research Program  
S. E. Asia

Task 01: Military Medical Research Program  
S. E. Asia

Subtask 01: Military Medical Research Program  
S.EASIA (Thailand)

Reporting Installation: U.S. Army-SEATO Medical Research  
Laboratory, APO 146, San Francisco,  
California

Division of Medical Research Laboratories  
Department of Geographic Pathology

Period Covered by Report: 1 April 1963 to 31 March 1964

Principal Investigator: Sylvanus W. Nye  
Captain, USAF, MC

Reports Control Symbol: MEDDH-238

Security Classification: UNCLASSIFIED

SEATO Medic Study No. 90:	Pathological Survey of Vertebrate Fauna Trapped in Udorn and Chiangmai Regions
Project No. 3A 025601 A 811:	Military Medical Research Program S. E. Asia
Task 01:	Military Medical Research Program S. E. Asia
	Military Medical Research Program SEASIA (Thailand)
Reporting Installation:	U.S. Army-SEATO Medical Research Laboratory, APO 146, San Francisco, California
	Division of Medical Research Laboratories Department of Geographic Pathology
Period Covered by Report:	1 April 1963 to 31 March 1964
Principal Investigator:	Sylvanus W. Nye, Captain, USAF, MC
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The objective of this study is to demonstrate naturally occurring diseases in the vertebrate fauna of Thailand. The animals for this study are collected by the Department of Medical Entomology in connection with the studies on rickettsial diseases. The total number of specimens now fixed in formalin is over 340. Only a few histological preparations have been completed because of the lack of technician time. A list of approximately 90 animals from which rickettsia have been isolated has been prepared and these animals will be studied first. A second list of animals of the Tupaia genus has been prepared and these will be studied second as they are considered a possible primate research animal. Efforts are being made to find facilities for histological preparation of the tissues. No results are available at this time.

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Principal Investigator:	Sylvanus W. Nye, Captain, USAF, MC
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Objective: The objective of this study is to combine the information being obtained by the Entomology Department with any histopathologic lesions found in the viscera of these animals. The Medical Entomology Department of the Laboratory has collected a large number of animals from the Chiangmai-Udorn areas and from other areas of Thailand for the study of ecto and endo-parasites, especially rickettsia. A list of the histopathologically identifiable diseases will be compiled. Special attention will be directed to animals from which rickettsia have been isolated and to animals of the genus Tupaia.

Description: At the time the animals are collected in the field and checked for ecto and endoparasites, portions of the viscera of the animals and of the skin and skeletal muscle are preserved in buffered formalin. Jars are shipped to Bangkok and stored.

Progress: At this time, specimens from over 340 animals have been received fixed in formalin. Only a few histologic preparations have been accomplished because of the lack of time in the histopathology laboratory. Efforts are being made to obtain help in the histologic preparations from other institutions. If help is received the first animals to be examined will be the 90 animals from which rickettsia have been isolated. The second group to be studied will be those of the genus *Tupaia*, which has been considered as a possible laboratory primate.

Summary: Specimens from over 340 animals have been collected in formalin. Histologic preparations have not been completed.

Conclusion: None.