

2473 *DR Rennie*

13 June 1963

Donald W. Rennie, M. D., Research Foundation of State University of New York

Metabolic Adaptation of Humans to Cold

West
X

X

\$9,500

Specific Aims: To study the metabolic aspects of cold adaptation of Korean women sea divers.

Dr. Rennie and his proposed study comes highly recommended by Lt. Col. Wm. Hall of ARIEM and The Advisory Committee to TSG on Environmental Medicine. The methods to be used are simple and direct, the study has a definite end-point and the information to be derived will be of importance to the Military Env. Med. Rsch. program.

The most interesting aspect of this investigation will be the attempt to confirm increased BMR of these women - a process in cold acclimatization thought to be peculiar to the extreme cold stress imposed by daily immersion in water of 10⁰ to 27⁰ C. Attempts to do volunteer studies in the States using American subjects have been unsuccessful. Thus, the proposal to study the Korean women in their native habitat.

The investigators have the experience and know-how required to complete the investigations and the budget is reasonable.

Recommend approval for one year only to begin 1 July 1963 to be supported by Military Internal Medicine funds.

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