

ENCLOSURE 2 TO APPENDIX IEmerging Integrated Research Programs Under Development

The following programs are being formulated by the various Subcommittees of the U.S. National Committee. When finally approved, there will be a requirement for funding support. No estimates of needed funds are currently available.

1. Adaptation of Peoples at High Altitudes

Objectives: To study the distribution and the nature of the variabilities in man's adaptive capacity at high terrestrial altitudes, and to define the processes of adaptation.

Program: Dr. P. T. Baker, of Pennsylvania State University, is the project convenor. A working group will meet at Lima, Peru in November 1967, to develop a basis for a firm program and for coordinated proposals involving both South and North American countries. The aims of this program are the investigation of fertility; postnatal growth; development and psychological maturation; aging; and diseases at high altitude.

The World Health Organization has expressed an interest in the project. It is anticipated that scientists from the Institute of Andean Man, Lima, Peru, and from the high altitude station at La Paz, Bolivia will participate in the planning.

2. Experimental Analytical Biogeography of the Sea

Objective: To engage in coherent, cooperative research on a broad geographical basis to study the physio-ecological resistance and performance adaptations of marine and estuarine species to geographical, abiotic, and biotic environmental factors, such as temperature, light, hydrostatic pressure, streaming velocity, nature of substratum, food, and salinity.

Program: Dr. F. John Vernberg, Duke Marine Laboratory, Beaufort, North Carolina is the coordinator of this program. A workshop will be held on 23-26 October at the Duke Marine Laboratory to define the specific research to be undertaken, the methodologies, and the scientists to participate. A proposed budget will be prepared. Dr. Carl Schlieper, University of Kiel, is actively cooperating in this working group. Dr. C. Ladd Prosser represents the Subcommittee on Environmental Physiology, and Dr. V. E. Brock