

stations, in kinds of measurement, and in not taking account of biotic variations.

It is recommended that the USNC of IBP establish a working committee to collaborate with the Committee of Atmospheric Sciences in the National Academy of Sciences.

PROPOSED WORKING CONFERENCES

The Subcommittee on Environmental Physiology sees its role in the IBP as primarily one of catalysis of research in certain areas of environmental physiology. A series of working conferences is proposed. It is expected that these will be partly substantive and partly of a planning nature. The planning aspect of each conference will include (1) methodology, (2) research program, and (3) stimulation of individuals and organizations to collaborate. To insure liaison, each conference will have the active participation of at least one member of the Subcommittee. Some of the conferences are intended to be jointly sponsored with other subcommittees. In other cases, other subcommittees have offered encouragement and assistance although they are not cosponsors.

Physiological Analysis of Marine and Estuarine Populations

A working conference is proposed to deal with physio-ecological resistance and performance adaptations of marine and estuarine species to geographical abiotic and biotic environmental factors (temperature, light, hydrostatic pressure, streaming velocity, kind of substratum, food and salinity). It is anticipated that a research program on the analysis of physiological adaptation in populations from a wide range of marine environments will be established. The conference would be international and would be held at Duke Marine Biological Laboratory in Beaufort, N. C. A plan for its organization has been presented by John Vernberg (Duke University) and Carl Schlieper (University of Kiel). The Subcommittee representative is C. L. Prosser; the Subcommittee on Productivity of Marine Communities has designated V. E. Brock as its representative. It is proposed that this conference be held during the summer of 1967.

Physiology of Colonizing Species

It is proposed to examine in depth the physiology of species of expanding range, including some dispersed by man. Some of these are cosmopolitan and others are more restricted.