

For purposes of comparison, some species will be chosen whose ranges appear not to be expanding. The proposed conference should be concerned with selection of species for study and of measurements to be made, as well as with international co-operation in making field and laboratory studies. Possibly it could be held in connection with the AIBS meetings at Texas A & M University, in 1967. (This conference can be considered as a successor to a recent international conference on the genetics of colonizing species held at Asilomar, California in 1964.)

Environmental Extremes

A working conference on environmental extremes is proposed. In general, it will be concerned with physiological bases for tolerance of environmental extremes by plants, microorganisms, and animals. Adaptations to extreme temperatures, to hypoxia, high salinity, aridity, and other factors will be considered, and plans for ecophysiological experiments will be suggested. It is anticipated that this conference will be cosponsored by NASA and that the organizer will be Dr. Dale Jenkins. A preliminary conference on this topic was held in San Diego in the autumn of 1965. It is hoped that the proposed conference can be held in Israel, where there is much interest in extreme environments. Subcommittee representatives are T. H. Bullock and Knut Schmidt-Nielsen.

Chemical Interactions Between Organisms, With Emphasis on Control of Insects by Plants and of Plants by Other Plants

The implication of terpenoids in both kinds of control suggests that entomologists and botanists should be brought together for the consideration of mechanisms and applications. These applications may be profound in relation to natural and agricultural productivity and to the organization of biological communities. The practical applications for insect and plant control are clearly international, and representatives from a number of countries should be included. Interest has been expressed by representatives of the United States Department of Agriculture and the Subcommittees on Systematics and Biogeography and Productivity of Terrestrial Communities. It is hoped that the organizers will be E. F. Knipling (USDA) and Cornelius Muller (University of California, Santa Barbara). Dr. Carroll Williams of Environmental Physiology will be actively involved in planning this conference. There is considerable urgency for this proposal, and the meeting should be held as soon as possible.