An unusually large proportion of the papers presented at the regular sessions were of more than routine significance. Only a sampling can be given here. John M. Burke, Jan Prager, and John J. A. McLaughlin (St. Francis College, St. John's University, and Sandy Hook Marine Laboratories and Hakins Laboratories, respectively) isolated four species of marine dinoflagellates, cultivated them axenically, and established their physiological requirements. Growing mixtures of two species, these workers were able to make either species dominant by selecting the proper nutritional and physiological conditions, and they could also produce "blooms" of different species.

Lynn Sagan and Stanley Scher (University of California, Berkeley) showed that deoxyribonucleic acid is present in the cytoplasm of Euglena gracilis. It occurs in both normal protozoa grown in the light and containing chloroplasts and in protozoa grown in the dark so that chloroplasts are not actually formed although the potentiality is still present, but DNA is not present in protozoa whose chloroplast-forming potentiality has been destroyed by treatment with streptomycin. The DNA is presumably in the chloroplasts, and they may well be ancient endosymbionts.

Wilhelm F. Schaeffer (University of Illinois) presented a paper describing a capillary agglutination test for Thelileria species in which an antigen prepared from T. cervi, recently discovered in white-tailed deer in the United States, was used. This is the first promising serologic test to be developed for this important genus of ruminant blood parasites, which causes East Coast fever and related diseases in cattle and other ruminants in Africa and Asia.

Edmond Sergent (Institut Pasteur d'Algérie) was elected an honorary member. New officers elected included Seymour H. Hutner, president; Daniel M. Lilly (St. John's), vice president; Robert W. Hull (Northwestern), secretary; B. M. Honigberg (University of Massachusetts), executive committee member; L. Evans Roth (Iowa State University), AAAS representative; and Louis S. Diamond (National Institutes of Health), Agricultural Research Institute representative.

Norman D. Levine, Acting Secretary

Society of Systematic Zoology (F3)

Highlighting the 13th annual meeting of the Society of Systematic Zoology were two symposia, on the biogeography of the Philippine Islands and on the data of classification. Other features of the Denver meeting included the Zoologists' Library and Book Lounge (co-sponsored by the American Society of Zoologists), the annual breakfast and business meeting, a coffee hour, and contributed papers. Unfortunately, a paper by Howard McCully (Texas Technological College), on posterior growth in the scales of serranid fishes, was omitted from the printed program.

President Richard E. Blackwelder organized and presided at a well-attended three-session symposium on the data of classification. Specialists in a variety of fields discussed the nature and application of data from their fields in animal classification. Special fields contributing data employed in the classification of animals and represented on this program ranged from molecular biology to animal behavior and ecology.

Walter C. Brown was in charge of arrangements for a two-session symposium on the biogeography of the Philippine Islands. George S. Myers chaired the first session, which included contributions on the geology and the phytoecology of this area and papers on the distribution of recent mollusks and the cephalopod mollusks. The second session, chaired by F. R. Fosberg, was devoted to the vertebrate fauna and a summary of the proceedings. Freshwater fishes, reptiles, birds, and mammals were discussed by the various speakers. An excellent summary of the symposium by Brown concluded the program. Plans are under way for publication of both these symposia, which were cosponsored by the American Society of Zoologists and AAAS Section F (Zoological Sciences).

Blackwelder, the retiring president, presided over the annual breakfast and business meeting and reported on the activities of the past year. President of the society for 1962 is Curtis W. Sabrosky.

Charles F. Lytle, Program Chairman

Botanical Sciences (Section G)

About 200 people attended the three sessions held by Section G. The session for contributed papers was made up of eight talks on a variety of botanical subjects and elicited a good deal of discussion from members of the audience. The symposium, "Plant biology today: advances and challenges," was held in two parts. Each of the speakers placed his subject in its setting and then emphasized the advances which had been made in the last few years and the challenging questions which remain to be answered. It is planned to have a similar symposium next year at the annual meeting. The address of the retiring vice president, James F. Bonner, entitled "The new plant biology," followed the luncheon for all botanists, which was attended by approximately 100 people. The Biologists' Smoker, planned by Sections F and G and held in the Denver Hilton Hotel, was attended by all of the botanists present and provided the usual excellent opportunity for meeting one's colleagues.

Harriet B. Creighton, Secretary

Anthropology (Section H)

A compact program in anthropology began with a reception on 27 December at the Denver Museum of Natural History and ended on 30 December with a symposium on "Insect in cross-species perspective," arranged and presided over by Margaret Mead. The eight symposia, some of them held concurrently, ranged through nearly all aspects of anthropology.

A brisk opening session on "The concept of race," arranged by Jack Kelso, was followed by remarks by Th. Dobzhansky and S. L. Washburn. A program on "Civilizations in desert
Biomedical Information-Processing Organization (FG3)
Robert S. Ledley

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