

## **Nine faculty members participate in annual meeting of the American 264 Association for the Advancement of Science**

**December 20, 1965**

Nine faculty and staff members of the University of California, San Diego, including four from UCSD's Scripps Institution of Oceanography, will participate in the 132nd annual meeting of the American Association for the Advancement of Science (AAAS) December 26 through 30, on the Berkeley campus of the University.

AAAS officials expect some 6,000 scientists for the meeting, arranged under joint sponsorship by 20 AAAS sections and 92 participating societies. More than 1,000 scientific reports are scheduled on the program. The Berkeley meeting will mark the first time in 10 years that the Association has met on the west coast.

Dr. Carl L. Hubbs, Research Biologist and Professor Emeritus at Scripps, will serve as program chairman of the American Society of Naturalists symposium, "Reconstruction of Past Biological Environment," set for 9:00 a.m. Monday, December 27. Speakers on this symposium include Nobel laureate, Dr. Harold C. Urey, Professor of Chemistry-at-Large at UCSD, who will discuss the basic nature of life and how it originated, and Dr. Bartholomew Nagy, Associate Research Geochemist at UCSD, who will discuss minute objects in certain types of meteorites that are interpreted by some investigators as partly mineralized microfossils.

At 9:00 a.m. Thursday, December 30, Dr. Urey is scheduled to preside at an engineering symposium concerning extraterrestrial life and dealing specifically with the "Problems of Life on Mars." Dr. Stanley L. Miller, Associate Professor of Chemistry at UCSD, will deliver a paper on "Some Aspects of the Origin of Life on Mars" during the symposium.

Dr. Denis L. Fox, Professor of Marine Biochemistry, and Thomas S. Hopkins, Research Assistant in Marine Biology, both of Scripps, will present a joint paper that Dr. Fox will read at 2:00 p.m. Tuesday, December 28, before the American Society of Zoologists on the metabolism of carotenoid pigments in three species of flamingos. Dr. Fox will also preside at the session.

At 9:00 a.m. on Thursday, December 30, Mr. Hopkins will read a paper before the Western Society of Naturalists on the relationship of various carotenoid pigments to skin color in several color phases of the starfish, *Henricia leviuscula*, generally found in San Diego waters. He is also the co-author of a paper to be delivered at 8:30 a.m. Thursday, December 30 before the Society of Systematic Zoologists by Dr. John Garth, of the University of Southern California's Allan Hitchcock Foundation. Dr. Garth will discuss the occurrence in the Eastern Pacific Ocean of a coral-dwelling crab which has its origin in the Western Pacific. First encountered on the Johnston Islands in 1925, the species was observed on Clipperton Island in the Western Pacific in 1958 and then by Scripps' scientists at the tip of Baja California in the summer of 1965. In all three cases, this crab was limited to the coral genus *Pavona*.

Dr. William A. Nowman, Assistant Professor of Biology at Scripps, will deliver a paper at 1:30 p.m. Thursday, December 30, before the Western Society of Naturalists entitled, "On the Biogeography of Hawaiian Shore Barnacles." In it he will present the first biological evidence supporting the conclusions of Scripps' scientists Dr. H. W. Menard and Dr. E. L. Hamilton, in 1963, that migratory routes for certain marine organisms from the Western Pacific to the Hawaiian archipelago, disappeared with the sinking of the Mid-Pacific Mountains at the end of the Mesozoic Era.

Dr. E. Margaret Burbidge; Professor of Astronomy at UCSD, is scheduled to read a paper at 2:00 p.m. Monday, December 27, at a session on astronomy which is part of the AAAS symposium on weather control. Dr. Burbidge, recognized as one of the world's foremost observational astronomers, will discuss the evolution of galaxies.

Dr. Clifford Grobstein, Professor of Biology and Chairman of the Department at UCSD, is scheduled to deliver the keynote address to a joint session of all science teaching societies affiliated with the AAAS. Dr. Grobstein will speak at 10:30 a.m. Monday, December 27, on "Defining the Core of a Science." According to Dr. Grobstein, the wave of curricular reform finally has caught up with college and university biology with more and more institutions seeking to ground their students in the common knowledge which underlies the several biological specialties. The problem now, he maintains, is to define this common core of knowledge that the curriculum should contain.