

## **National Academy of Sciences will hold its 96th autumn meeting from October 29 through November 1 on the San Diego and Los Angeles campuses**

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The enclosed story gives the details on a meeting of the National Academy of Sciences on the San Diego campus of the University of California, Sunday, October 29. Howard Lewis, Public Information Officer for the Academy, will arrive in La Jolla on Saturday, October 28. He will be staying at the Hotel Del Charro. On Sunday he will be on the San Diego campus. He and I will be glad to help you with any questions of coverage of this event.

The National Academy of Sciences, representing the elite corps of American scientists, will hold its 96th autumn meeting from October 29 through November 1 on the San Diego and Los Angeles campuses of the University of California.

During the four-day meeting, 67 scientists will read papers reporting on new and significant research in many fields of the natural sciences, including the earth, atmospheric, and medical sciences, physics, geophysics, astronomy, biology, chemistry, and zoology.

Topics will include various scientific aspects of radiocarbon dating, age of meteorites, underground nuclear explosions, the sun's magnetic cycle, radio galaxies, the Van Allen radiation belts, mating behavior of animals, split brain monkeys, and stereochemistry.

The four-day meeting will open at the University of California, San Diego on October 29 and then move to UCLA for the October 30, 31, and November 1 sessions. Receptions for Academy members and their guests will be given by Chancellor Herbert York, of the San Diego campus, and Chancellor Franklin D. Murphy, UCLA.

The National Academy of Sciences is a private organization of over 630 distinguished scientists and engineers established in 1863 under a Congressional charter signed by President Abraham Lincoln.

Its charter requires the Academy to act as an adviser to the Federal Government in scientific matters, and one of its major aims is to further science and technology in the public interest. Members are elected in recognition of distinguished original research.

There are 14 members of the Academy in San Diego. They are Donald W. Kerst, General Atomic; A. Baird Hastings, Scripps Clinic and Research Foundation; and David M. Bonner, Milton N. Bramlette, Carl Eckart, Walter M. Elsasser, Carl L. Hubbs, Joseph E. Mayer, Maria Goeppert Mayer, Walter H. Munk, Roger Revelle, Per F. Scholander, Harold C. Urey, and Bruno H. Zimm, all of the University of California, San Diego.

This is the first meeting the Academy has held in San Diego. About 150 members are expected to attend. They will spend the night in the San Diego area and travel to Los Angeles by bus Monday morning.

The San Diego session on Sunday, October 29, will open with registration at Sumner Auditorium at 9:00 a.m. Scientific sessions will be held from 9:12 a.m. to 12:30 p.m. After lunch in the Library Patio, the scientific sessions will resume at 1:30 p.m., lasting until 4:45 p.m. Chancellor and Mrs. Herbert York will hold their reception for the Academy members and their guests from 5:00 p.m. to 7.00 p.m.

Papers to be presented in the morning San Diego session include: Carl L. Hubbs, "Some highlights from the natural radiocarbon datings of the La Jolla laboratory";

Kenneth Nichols, Valparaiso University, Valparaiso, Indiana, and Francis T. Haxo, University of California, San Diego (introduced by Carl L. Hubbs), "Photosynthesis at paired wave lengths in phycocyanin-deficient mutants of *Cyanidi caldarium*";

William L. Belser, University of California, San Diego (introduced by David M. Bonner), "Mutational studies in *Serratia marino rubra*";

Julian M. Sturtevant, Yale University; Leon Wofsy and S. J. Singer, University of California, San Diego (introduced by Bruno H. Zimm), "The rate of a hapten-antibody reaction";

Martin D. Kamen, University of California, San Diego, and Takekazu Horio, Osaka University, Japan (introduced by Bruno H. Zimm), "Endogenous co-factors in bacterial photophosphorylation";

Sam Kaplan, University of California, San Diego (introduced by David M. Bonner), "Genetic studies on double mutants at the *td* locus of *Neurospora crassa*";

Herbert M. Schulman, University of California, San Diego (introduced by David M. Bonner), "An unusual nucleic acid fraction from *Neurospora crassa*";

Joseph D. Feldman and John S. Najarian, Scripps Clinic and Research Foundation (introduced by David M. Bonner), "Transfer of transplantation immunity by sensitized lymphoid cells";

A. Baird Hastings, T. A. Mahowald, and Darrell D. Fanestil, Scripps Clinic and Research Foundation, "Environmental CO<sub>2</sub> concentration and carbohydrate metabolism in liver";

William O. Weigle, Scripps Clinic and Research Foundation (introduced by David M. Bonner), "Termination of immunological tolerance to a protein antigen".

Papers to be presented in the afternoon San Diego session include: J. H. D. Jensen, University of Heidelberg, Germany, currently visiting at the University of California, San Diego, "Progress in the theory of alpha decay";

Mark Nelkin, General Atomic (introduced by Donald W. Kerst), "The stability of phonons in Bose systems";

Wade L. Fite and Joe N. Smith, Jr., General Atomic (introduced by Donald W. Kerst), "Modulated beam experiments on gas-surface interactions";

Stanley L. Miller, University of California, San Diego (introduced by Harold C. Urey), "The occurrence of gas hydrates in the solar system";

Shunji Umemoto, University of California, San Diego (introduced by Harold C. Urey), "Isotopic composition of barium and cerium in stone meteorites";

Hans E. Suess, University of California, San Diego (introduced by Carl Eckart), "Terrestrial age of stony meteorites";

James R. Arnold, University of California, San Diego, "Terrestrial age of iron meteorites";

Harmon Craig, University of California, San Diego (introduced by Carl Eckart), "Isotopic geochemistry of volcanic water";

John C. Crowell, University of California, Los Angeles (introduced by William W. Rubey), "Displacement of the San Andreas Fault in southern California";

Victor Vacquier, University of California, San Diego (introduced by Walter H. Munk), "Evidence for convection in the earth crust and upper mantle".