

"California and the Challenge of Growth" - UCSD's will deal with "The Impact of Science"

April 24, 1963

Leaders in science, industry, and government will gather here June 13 for a two-day conference in which they will discuss the impact of science on California, Chancellor Herbert York of the University of California, San Diego, announced today.

The meeting is one of seven being sponsored by the University of California to mark the occasion of California's becoming the largest state in population and to examine several aspects of this phenomenal growth and its future prospects. The over-all title of the conferences is "California and the Challenge of Growth."

The San Diego conference will deal with the effect of the physical sciences on the State. Speakers will examine such broad areas as science and society, science and environmental control, science and industrial growth, and science and the future.

Speakers will include:

Abdus Salam, Professor of Theoretical Physics, Imperial College of Science and Technology, University of London, and Science Adviser to the President of Pakistan, "Pakistan: The Case for Technological Development";

Alan Perlis, Professor of Mathematics and Director, Computation Center, Carnegie Institute of Technology, "Decisions Machines Can Make";

John T. Middleton, Chairman, Department of Plant Pathology, University of California, Riverside, "Smog-Free Air and Its Price";

Leo Beranek, President, Bolt, Beranek and Newman, Inc., and Lecturer, Massachusetts Institute of Technology, "Noise and Man";

Harold C. Urey, Professor of Chemistry-at-Large, University of California and Nobel Laureate; Science and Society";

Gerald Johnson, Assistant to the Secretary of Defense (Atomic Energy), "Project Plowshare: Engineering with Atomic Energy";

Irving Krick, President, Water Resources Development Corporation, "Doing Something About the Weather";

Jerome Namias, Chief, Extended Forecast Section, U. S. Weather Bureau, "Can Man Control Climate?";

J. R. Dempsey, President., General Dynamics/Astronautics, appearing on a panel discussion, "Science as an Industrial Resource";

John Herbert Hollomon, Assistant Secretary of Commerce for Science and Technology, "Science as an Industrial Resource";

Augustus Kinzel, Vice-President of Research, Union Carbide Corp, "Science as an Industrial Resource";

William Shockley, Director, Shockley Transistor, Clevite Corporation, and Nobel Laureate Science as an Industrial Resource";

Roger Revelle, University Dean--Research, University of California, and Director of the Scripps Institution of Oceanography, "California and the Pacific Ocean";

Edward Teller, Professor of Physics-at-Large, University of California, "The Nucleus, a Misunderstood Resource";

Wernher von Braun, Director, George C. Marshall Space Flight Center, National Aeronautics and Space Administration, "Planetary Exploration."

Among the topics to be discussed, Chancellor York said, are: Will modern computers and the evolution of decision-making machines extend man's ability to think? Does "big science" mean "big government"? Is there a saturation point for the products of technology? Must smog and noise continue to plague an increasingly technological society? Where is California to get the water it needs for growth? Can we change the climate of California to distribute rainfall more evenly along the coast or throughout the year? Can science and technology create jobs as well as take them away? Can science provide clues as to ways of broadening the industrial base in California? Will the space industry father other industries? How can ocean research make for a better California?

"These and a hundred other questions are posed by the emergence of science and technology as a dominant factor in our society," Chancellor York said. "The San Diego conference will bring together some of the most able minds in the nation to discuss these questions and others."

Daytime sessions of the conference will be held at Sumner Auditorium on the campus of the University of California., San Diego. Admission will be by invitation only. Evening sessions will be held at Sherwood Hall, Art Center in La Jolla. Free tickets will be available for the public at these. The evening sessions include Dr. Urey's address on Thursday and the panel discussion by Dr. Revelle, Dr. Teller, and Dr. von Braun on Friday.

The San Diego conference has been arranged by a committee headed by Dr. Leonard N. Liebermann., Professor of Physics.