

Dr. S.S. Penner to Join UCSD SSE as Chairman of Dept of Astronautics

June 5, 1963

The first appointment to the engineering faculty in the School of Science and Engineering at the University of California's San Diego campus was announced today by Chancellor Herbert York.

He is Stanford S. Penner, presently the Director of the Research and Engineering Support Division of the Institute for Defense Analyses at Washington, D. C., on leave of absence from the California Institute of Technology. His appointment is effective January 1, 1964.

Dr. Penner will be Chairman of a proposed Department of Astronautics at UCSD, the first department in the engineering sciences to be organized on the San Diego campus, says Dr. Keith A. Brueckner, Dean of the School of Science and Engineering. Dr. Penner will be a Professor of Engineering, Physics and Astronautics.

Dr. Penner will bring to UCSD additional faculty members working in fields of astronautics and engineering sciences. The department hopes to offer a graduate program in early 1964, and to accept undergraduates at the upper division level in 1964 and 1965.

Since 1946, Dr. Penner has contributed more than 100 publications in books and technical journals dealing with combustion and propulsion problems, radiant heat transfer, spectroscopic investigations, and studies in chemical physics.

Since 1952, he has served as consultant to various military and government agencies., and aircraft, missile and chemical companies.

Dr. Penner received a B.S. degree from Union College, and M.S. and Ph.D. degrees from the University of Wisconsin, the latter in 1946. He was a research associate with the Allegany Ballistics Laboratory and the Standard Oil Development Company, and joined Cal Tech's Jet Propulsion Laboratory in 1947 as a Senior Research Engineer. He was appointed Professor of Jet Propulsion in 1957.

He has served on a number of governmental and scientific committees since 1951 when he was appointed as the U. S. member to the Advisory Group for Aeronautical Research and Development (AGARD), NATO, Combustion Panel, and in recent years has been chairman of the AGARD Combustion Panel and a U. S. member of the Executive Committee. He is also Consulting Editor for several monograph series and professional journals, Chairman of the American Rocket Society on Propellants and Combustion, and active at the executive level in several professional societies.

He is the author of two books, "Chemistry Problems in Jet Propulsion," published in 1957, and "Quantitative Molecular Spectroscopy and Gas Emissivities," published in 1959, and recently translated into Russian.

In addition, Dr. Penner has authored four monographs and is the editor or co-editor of three books, "The Chemistry of Propellants," "Advanced Propulsion Techniques," and "Detonation and Two-Phase Flow."

His current research interests include gas emissivities, quantitative spectroscopy and radiative transfer.