

## **Dr. Penner elected to membership in International Academy of Astronautics (IAA)**

**January 13, 1966**

Dr. S. S. Penner, Professor and Chairman of the Department of the Aerospace and Mechanical Engineering Sciences at the University of California, San Diego has been elected to full Membership in the Engineering Sciences Section of the International Academy of Astronautics (IAA).

Dr. Penner, a fellow or member of numerous other scientific and engineering societies, was elected a Corresponding Member of the IAA in 1964. The IAA, which is affiliated with the International Astronautical Federation, was established in 1962. It "consists of individuals who have distinguished themselves in some branch of the following sciences, especially in aspects connected with astronautics: basic sciences, engineering sciences, and life sciences."

Membership in the Engineering Sciences Section of the Academy to which Dr. Penner was just elected to full Membership, is restricted to 60 full Members and 120 Corresponding Members. The membership of the IAA is world-wide and includes citizens of the United States, the USSR, the United Kingdom, France, Italy, East and West Germany, and many other countries.

Dr. Penner, born in 1921, 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 the California Institute of Technology's Jet Propulsion Laboratory in 1947. He was appointed to the faculty of the California Institute of Technology in 1950 and remained at Caltech as Professor of Jet Propulsion until 1964, except for a two-year leave of absence as Director of the Research and Engineering Division of the Institute for Defense Analyses in Washington, D.C.

In 1964 he was appointed to his present position at UCSD. At UCSD, Dr. Penner has been responsible for bringing to the campus an outstanding faculty which now numbers 17 professorial appointees.

He has served on a number of governmental and scientific advisory committees since 1951 when he was appointed a United States Member to the Advisory Group for Aeronautical Research and Development (AGARD), Combustion Panel. This NATO group sponsored a colloquium on rocket propulsion on the UCSD campus during 1965. In recent years he has been chairman of the AGARD Combustion and Propulsion Panel and a U.S. member of its Executive Committee, a Member of the NASA Subcommittee on airbreathing engines, of the USAF Research Advisory Committee for Engineering Sciences, and of the National Academy of Sciences-National Research Council Committee on High Temperature Thermodynamics.

He is the author or co-author of about 150 publications appearing in scientific journals, of a number of monographs, and of two textbooks. His current research interests include radiation gas dynamics, opacity calculations, and combustion and propulsion studies.

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