

## **AGARD Meeting to be held on San Diego campus, April 22-25**

**April 16, 1965**

The Advisory Group for Aeronautical Research and Development of the North Atlantic Treaty Organization will meet in San Diego April 22 to 24, Dr. S. S. Penner, Professor and Chairman of the University of California, San Diego Aerospace and Mechanical Engineering Sciences Department and Program Chairman for the meeting, announced today. Subject of the 25th meeting of AGARD's Combustion and Propulsion Panel is "Advances in Tactical Rocket Propulsion." About 200 scientists and engineers from the NATO countries have registered for the meeting. Attendance at the meeting is restricted to invited participants.

The first session, the only classified one of five, will be held at the Miramar Naval Air Station under the Chairmanship of Professor Otto Lutz of the Technische Hochschule in Braunschweig, Germany. This first session deals with the applied problems in tactical rocketry and includes three papers prepared by U. S., French, and German authors.

The remaining sessions are unclassified and will be held in Sumner Auditorium at UCSD's Scripps Institution of Oceanography with members of the AGARD/ NATO Propulsion and Energetics Panel presiding. Dr. Penner will represent the United States; Dr. J. Surugue, Director of the French Institute for Energy and Propulsion and a Professor at the Sorbonne in Paris, will represent France; Dr. C. Casci, Professor of Engineering at the Politecnico in Milan, will represent Italy; and Professor A. Jaumotte, Director of the Institute of Applied Mechanics, in Brussels, will represent Belgium. Vice Chancellor Carl Eckart of UCSD will present the official welcome for the host institution.

The unclassified technical papers deal with burning mechanism and combustion instabilities in solid- and liquid-fuel rockets, with hybrid rockets, propellant ignition, and with manufacture and field safety of propellants in tactical rockets. Invited papers include presentations by F. A. Williams of UCSD in collaboration with M. Barrere of the ONERA in Paris, France; E. Price of the Naval Ordnance Test Station in China Lake, California; D. T. Harrje of Princeton University; R. S. Levine and L. R. Combs; from Rocketdyne, Canoga Park, California; G. Marxman and C. E. Wooldridge, from United Technology Center; B. Paul and R. Levine from Aerojet-General Corp.; J. F. Tormey from the Rocketdyne solid-propellant center at McGregor, Texas; and H. Shuey from the Huntsville Laboratory of the Rohm and Haas Company. An international group of commentators will offer critical reviews on the prepared papers.

Approximately 50 participants are from foreign countries. The AGARD group will arrive here from Washington, D.C., on April 21 and leave on April 26 for a one-week tour of rocket facilities throughout the United States.