

## UCSD receives grant awards totalling \$189,470

**December 3, 1968**

Nine researchers from four departments at the University of California, San Diego, have received research grants totaling \$189,470.

Dr. C. W. Helstrom, professor of Applied Electrophysics, received a grant award from the National Aeronautics and Space Administration for his project, "The Application of Signal Detection Theory to Optics." Dr. Peter M. Banks and Dr. George J. Lewak, both assistant professors in the Department of Applied Electrophysics, were awarded a research grant from NASA for their study of "Electron Temperatures, Densities and Diffusion Velocities."

The National Science Foundation awarded grants to Dr. William B. Gragg Jr., an assistant professor of mathematics, and Dr. Gilbert A. Hegemier, an assistant professor in the Department of Aerospace and Mechanical Engineering Sciences. Dr. Gragg's project is entitled, "Theory and Application of Positive Definite Continued Fractions and Numerical Optimization Techniques," and the title of Dr. Hegemier's project is "Wave Propagation in Nonhomogeneous Elastic and Anelastic Media."

Dr. William Prager and Dr. William Nachbar, both professors in the Department of AMES, received a grant award from the Air Force Office of Scientific Research for their study of "Dynamic Response of Thin Shells to Suddenly Applied Loads."

Two members of the Department of Chemistry, Dr. T. G. Traylor and Dr. John N. Abelson, were awarded research grants. Dr. Traylor, professor, received his grant from the Army Research Office for his project entitled, "Correlation of Bond Lengths and Bond Strengths with Orbital Hybridization." The Department of Health, Education and Welfare, Public Health Service, awarded a research grant to Dr. Abelson, assistant professor, for his study of "Structure and Function of Ribonucleic Acids."