

NSF Grants \$282,600—

UA Research Projects

FAIRBANKS — Research proposals submitted to the National Science Foundation by University of Alaska scientists have generated \$282,600 in NSF support of Alaska-based research projects in recent months.

University of Alaska scientists compete with scientists from throughout the nation for limited NSF funds.

The university's Geophysical Institute received three grants and is sharing a fourth with the University Museum. Grants also went to the Chemistry Department, Center for Northern Educational Research, and Institute of Marine Science. All of these units are located on the Fairbanks campus.

The recent grants:

— \$91,500 to the Geophysical Institute for development and use of a method to deploy multiple shaped-charge barium releases from rockets. T. Neil Davis and Wallace B. Murcray will direct the project.

— \$78,700 to the Geophysical Institute in support of research entitled "Metastable Particles of Atmospheric Importance." The project is under the direction of J. Roger Sheridan.

— \$23,500 to the Geophysical Institute for study of small dust particles suspended in the atmosphere over the northern regions ice cap. Glenn E. Shaw will direct the project.

— \$57,400 to the Geophysical Institute and University Museum in support of a program to help the public understand the basic and applied scientific research being undertaken in Alaska. A color movie on the aurora, for television, will be produced, and traveling exhibits will be created for showing around the state.

The project is under the direction of T. Neil Davis, deputy director of the Geophysical Institute, and Ludwig J. Rowinski, director of the University Museum.

— \$20,300 to the Center for Northern Educational Research for research entitled "The Anthropology of Alaskan Eskimo and Indian Musical Systems."

Thomas F. Johnston will direct the research. Contingent on the availability of funds and the scientific progress of the project, the NSF intends to provide further support in the future in increments of \$19,600 and \$20,000.

— \$2,200 to the Department

of Chemistry for purchase of equipment needed to help improve the quality of undergraduate science instruction. The funds will be disbursed by L. Claron Hoskins, department head.

— \$9,000 to the Institute of Marine Science for supplemental support of a project entitled "Heavy Metal Dynamics in Seagrass Ecosystems: Processes and Oceanic Interactions."

The project is under the direction of C. Peter McRoy and David C. Burrell.