

XE128-0616869  
5-2-69

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RELEASE ON RECEIPT  
May 2, 1969

Al Mitchell, Director of  
Public Affairs - Ext 215

NEW EARTH SCIENCES GRANT, THREE CONTRACT AMENDMENTS LISTED

National Science Foundation has made a new research grant for velocity distribution studies of the Earth's upper mantle in the Geosciences Division, Southwest Center for Advanced Studies.

The one-year grant, naming Prof. Anton L. Hales as principal investigator, carries funding of \$43,100.

Three other research contract amendments were also announced by the SCAS, two of them involving major flight instrument programs for the National Aeronautics and Space Administration.

The Pioneer experiment program, which has put four cosmic radiation devices provided by the SCAS' Atmospheric and Space Sciences Division into interplanetary orbits, received incremental funding of \$16,726. Total funding for the program reached \$1,433,770, since November, 1965, with the modification. Asst. Prof. Robert P. Bukata is now the SCAS' Pioneer program director.

Increment funding for payloads sent by rocket into auroral zone displays (northern lights) has increased that NASA contract by \$200,000. One four-flight program phase was completed in February, from Fort Churchill, Canada. Total funding reached \$978,748, since January, 1966, with the modification. Prof. Walter J. Heikkila is principal investigator.

An additional one-year program of upper mantle studies for the U. S. Army Research Office was also announced, but financial details were not disclosed.