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RESEARCH GRANTS

AND CONTRACTS

AWARDED TO 25

The National Aeronautics and Space Administration has awarded 27 supplementary or new (indicated in parentheses) research grants and contracts totalling $2,267,284 to 25 universities, colleges and private research institutions.

University of Utah, Salt Lake City--$9,322 (new) for falling sphere-radar mathematical simulation techniques.

University of Denver--$150,000 for multidisciplinary research in space-related science and technology.

University of Alaska, College, Alaska--$73,536 for experimental studies of auroral phenomena including particulate fluxes by means of rocket-borne experiments.

Stanford University, Stanford, Calif.--$100,000 for research on space vehicle attitude control systems.

University of California, San Diego, La Jolla, Calif.--$87,923 for experimental research on X-ray and gamma-radiation at high altitudes.

University of Virginia, Charlottesville--$16,906 (new) for theoretical and experimental investigation of a three-dimensional magnetic-suspension balance for dynamic-stability research in wind tunnels.

University of South Carolina, Columbia--$20,384 (new) for a study of optimal feedback control.

Duke University, Durham, N.C.--$57,782 for satellite electrical power conversion systems and circuit protection.

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University of Tennessee, Knoxville--$30,074 for theoretical and experimental studies of visco-type shaft seals.

University of Kentucky, Lexington--$99,933 (new) for a study of circadian rhythms in primates as influenced by latitude, longitude, gravity and confinement.

University of Texas, Austin--$35,000 for quantum mechanical calculations and studies on atomic systems of astrophysical interest.

IIT Research Institute, Chicago--$450,000 for the continuation of studies and analyses of space science problems related to the planning and directing of NASA Lunar and Planetary Programs.

University of Chicago--$201,913 for composition, energy spectrum and intensity of primary cosmic radiation.

University of Illinois, Urbana--$78,442 for theoretical and experimental studies of the electron content and variations in the upper ionosphere, by ground observation of scientillations and Faraday rotation of satellite radio transmissions, including consideration of radio wave propagation in magneto-ionic media.

University of Missouri, Rolla--$34,696 (new) for measurement of intensity of turbulence in drag reducing and non-drag reducing organic solutions.

Princeton University, Princeton, N.J.--$22,944 for the study of creep in planetary interiors.

Polytechnic Institute of Brooklyn, New York--$73,556 for theoretical and experimental studies of the electronic properties of thin films.

Stevens Institute of Technology, Hoboken, N.J.--$59,983.75 for theoretical and experimental studies of aircraft tire hydroplaning.

American Mathematical Society, Providence, R.I.--$33,000 for partial support of a summer seminar of space mathematics.

Yale University, New Haven--$60,000 for theoretical and experimental investigation of collision cross-sections in atomic processes.

Cornell University, Ithaca, N.Y.--$217.106 for lunar surface and solar system studies.

American Institute of Biological Sciences, Washington, D.C.--$100,000 (new) for the research in basic bioscience during manned orbiting missions.

Columbia University, New York--$57,970 for theoretical and experimental investigations of helium and lithium atoms and ions with emphasis on excited energy levels and the mechanism of energy transfer from metastable states.

Columbia University, New York--$85,600 for summer program in space physics and in space science and engineering.

Pennsylvania State University, University Park--$3,210 (new) for noise analysis of a ground effect machine, GEM III.

Massachusetts Institute of Technology, Cambridge--$50,000 (new) for analytical and experimental investions of low level accelerometer techniques.

Massachusetts Institute of Technology, Cambridge--$58,003 for theoretical and experimental investigations in electrohydrodynamics (EHD) and wave-type magnetohydrodynamics (MHD).

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