

Report of Proposals

For the Month of May 2001

<u>Department</u>	<u>Investigator</u>	<u>Sponsor</u>	<u>Title</u>	<u>Amount</u>
BIOLOGY AND BIOTECHNOLOGY	Krushkal, J.	NIH	Molecular Epidemiology of Fetal Growth Restriction	\$136,642
CHEMICAL ENGINEERING	Datta, R. *Fishtik, I.	NSF	Rational Design of CO Tolerant Anode Electrocatalysts for PEM Fuel Cells \ (TSE01-B\)	\$374,512
	Ribeiro, F.	NSF	CAREER: Educational and Research Opportunities in Environmental Engineering: Catalysis as a Tool for Solving Environmental Problems	\$25,000
	Ribeiro, F.	NSF	Hydrodechlorination of Organic Compounds as a General Strategy to Avoid the Production of Waste Streams \ (TSE01-A\)	\$368,837
CHEMISTRY AND BIOCHEMISTRY	Pavlik, J.	Pfizer Central Research	Educational Training	\$39,073
CIVIL AND ENVIRONMENTAL ENGINEERING	Mallick, R. *Bergendahl, J.	NSF	Development of Environment Friendly Paving Mixture	\$116,208
ELECTRICAL AND COMPUTER ENGINEERING	Cyganski, D.	Raytheon	High Demand Network Interface to Military Satellite Services	\$54,913
	Cyganski, D.	Pirus Networks	Probing, Characterization and Timing of TCP/IP Stacks for SANs	\$64,619
INSTRUCTIONAL MEDIA CTR.	Turgeon, P. *Heinricher, A. *Keil, T.	PEW Charitable Trust	The PEW Grant Program in Course Redesign	\$200,000
MATHEMATICAL SCIENCES	Walker, H.	University of Utah	Numerical Algorithms and Software for C-SAFE	\$89,059
MECHANICAL ENGINEERING	Gatsonis, N. *Demetriou, M.	NASA	Microgravitational Electrodynamics and Active Transport Control of Dust Particles in the Plasma Around a Spacecraft	\$251,519
	Hermanson, J. *Pedersen, P.	NASA	Dynamics and Heat Transfer of Evaporating Films in Reduced Gravity	\$439,419

	Johari, H.	NASA	Baroclinic Vorticity at an Interface Under Reduced Gravity	\$315,019
	Pryputniewicz, P.	Draper Laboratory	Laser Methodology for MEMS and Electronic Packaging	\$75,000
	Pryputniewicz, P. *Furlong, C.	Sandia National Laboratories	Investigation of Matrox Frame Grabber	\$25,000
	Pryputniewicz, P. *Furlong, C.	BWXT-Pantex	Semi-automation of Optoelectronic Holography System	\$100,947
	Tryggvason, G.	NASA	Impinging Emulsion Droplets: Surfactant Mediated Interfacial Processes Leading to Transient or Permanent Coalescence	\$160,000
	Tryggvason, G. *Sullivan, J. *Mullen, J.	NASA	Computations of Fluid Flow in Human Extremities	\$400,000
	Tryggvason, G.	NASA	Computations of Complex Boiling	\$400,000
	Apelian, D.	DOE	Novel Alloys and Novel Routes for Semi-Solid Processing	\$900,000
SOCIAL SCIENCE & POLICY STUDIES	Saeed, K.	Nihon University, Japan	Security of Earth and Mankind in 21 st Century on Environment and Resources	\$20,000
	*CPI		TOTAL	\$4,555,767