

REPORT OF PROPOSALS

For the Month of October/2003

<u>Department</u>	<u>Investigator</u>	<u>Sponsor</u>	<u>Title</u>	<u>Amount</u>
BIOLOGY & BIOTECHNOLOGY	Cheetham, R. *Tyler, J. *Rulfs, J. *Mathews, L.	NSF	POWER: Preparing our Women for Environmental Research	\$ 451,861
CHEMICAL ENG'G.	Thompson, R. *Bergendahl, J. *Camesano, T. McGimpsey, G.	NSF	NIRT: Consortium of Application of Nano-Science and Engineering to Environmental Remediation	\$ 1,709,896
CIVIL & ENVIRONMENTAL ENGINEERING	Plummer, J.	UMASS Amherst	Linking Water Quality and Land Use Impacts Using Monitoring and GIS	\$ 71,962
	Plummer, J.	NSF	Inactivation of Bacillus Subtilis Spores & Cryptosporidium Parvum Oocysts by Combined Sonication & Chlorination	\$ 317,765
ELECTRICAL & COMPUTER ENGINEERING	Makarov, S.	NSF	Microwave Radiation Force and Torque on a Parallel-Plate Resonator	\$ 198,621
	Pahlavan, K.	NSF	Behavior Modeling, Performance Analysis, and Positioning Algorithms for Indoor Tracking Sensors	\$ 499,041
MANAGEMENT	Gerstenfeld, A.	USAID	Institutional Partnership to Promote Sustainable Agriculture and Water Resource Management in Namibia	\$ 99,216

MATHEMATICAL SCIENCES	Catrina, F.	NSF	Variational Methods for Weighted Δ -Laplacian	\$	129,335
	Tang, D. *Hoffman, A.	NSF	MRI-Based 3D Multi-Component Models for Atherosclerotic Plaques	\$	330,000
	Martin, W.	NSF	Combinatorics: Structure and Applications of Association Schemes	\$	256,067
	Martin, W.	NSA	Combinatorics: Structure and Applications of Association Schemes	\$	56,545
	Walker, H.	Sandia National Laboratories	Nonlinear Solvers Research	\$	34,454
MECHANICAL ENG'G.	Sullivan, J. *Zhang, Q.	Dartmouth College	Alternative Breast Cancer Imaging Modalities	\$	416,122
	Tryggvason, G. *Esmaeeli, A.	NASA	Direct Numerical Simulations of Microstructure Formation in Alloys	\$	500,000
	Blandino, J. *Gatsonis, N. *Demetriou, M.	NSF	Control of Electrospray Droplet Size Distribution for Nanofabrication	\$	129,609
	Hoffman, A.	UMASS Medical School Worcester	Strech Sensitivity of Mouse Cutaneous Afferent Neurons	\$	211,038
OTHER	Cyr, M.	NSF	Living Labs Learning Environments for Grades 7-12	\$	1,199,983
	Schachterle, L.	NEH	A Collaboration to Publish Complementary Digital & Print Scholarly Editions of James Fenimore Cooper's the Bravo	\$	436,933
	*CPI		Total	\$	7,048,448