

## Report of Proposals

For the Month of November 2000

<u>Department</u>	<u>Investigator</u>	<u>Sponsor</u>	<u>Title</u>	<u>Amount</u>
BIOMEDICAL ENGINEERING	Kohles, S.S.	DHHS	Dynamic Composition and Functional Elasticity of Engineered Tissues	\$76,270
CIVIL & ENVIRONMENTAL ENGINEERING	Mathisen, P.P.	University of Mass/Amherst	Remobilization of Lead and Copper Due to Re-suspension of Sediments in the Blackstone River	\$50,000
	Ray, M.H. *Pietroforte, R.	National Academy of Sciences	Safety Consequences of Flexibility in Highway Design	\$500,000
CHEMISTRY & BIOCHEMISTRY	Arguello, J.	U.S. Dept of Agriculture	Biochemistry of Plant Heavy Metal ATPases	\$75,000
	Dittami, J.P.	NOAA	University of Puerto Rico-WPI Planning Grant	\$15,000
	Fairchild, C.D.	U.S. Dept of Agriculture	Suppression of Shade Avoidance by HFR1 a Phytochrome-Responsive bHLH Protein	\$75,000
	McGimpsey, W.G.	Bayer Corporation	Development of Optical Probes for Blood Analytes	\$7,000
CHEMICAL ENGINEERING	Camesano, T.A.	Univ. of Mass/Amherst	Natural Organic Matter-heavy Metal Interactions in Massachusetts Waters	\$43,520
INTERDISCIPLINARY STUDIES	Vernon-Gerstenfeld, S.	NSF	Planning Conference for Academics Scientists and Botanical Gardens Involved in Preservation of Tropical Forest Contents	\$23,639
MANAGEMENT	Gerstenfeld, A.	The Japan Foundation	Japan's Finance Reform: Implications for Economic Policies in U.S. – Japan	\$249,163

MATHEMATICAL SCIENCE	Doytchinov, B.D.	NSF	Semigroup Methods for Queues with Due Dates	\$66,924
	Fehribach, J.D.	NSF	Porous Electrode Microstructure Modeling and Analysis	\$254,140
	Jordan, R.K.	NSF	Applications of Techniques from Statistical Mechanics to Nonlinear Wave Turbulence and to Interacting Particle System	\$215,867
	Lurie, K.A.	NSF	Dynamic Materials in Many Spatial Dimensions	\$239,367
	Vernescu, B.M.	NSF	Coupled Phenomena in Composite Media	\$110,769
	Yakovlev, V.V.	Illinois Institute of Technology	Modeling and Design of Microwave Systems for Sterilization of Fruit Juices	\$135,510
MECHANICAL ENGINEERING	Pryputniewicz, R.J.	Block Engineering, Inc.	Technology Development for Mems Dynamic Sensors	\$172,582
	Sullivan, J.M.	Univ. of Mass/Worcester	Functional MRI of Sexual Motivation in Nonhuman Primates	\$41,071
	Tryggvason, G.T.	NASA	Splashing Drops	\$65,000
				\$2,415,822

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