

REPORT OF PROPOSALS

For the Month of November/2003

<u>Department</u>	<u>Investigator</u>	<u>Sponsor</u>	<u>Title</u>	<u>Amount</u>
CIVIL & ENVIRONMENTAL ENGINEERING	Mallick, R. *Bergendahl, J.	Chase Corporation	A Proposal for Evaluation of Rutting and Shoving Potential of, and Chloride Diffusion Through HMA with Rosphalt	\$ 16,962
	Mallick, R.	Edwards & Kelcey	Development of Rut and Moisture Resistant HMA for Pavements in Logan International Airport, Boston, Mass.	\$ 201,635
	Bergendahl, J. *Thompson, R.	Triton Systems	Lead Removal from Flue Gases Using Microporous Sorbents	\$ 30,000
MATHEMATICAL SCIENCES	Vernescu, B. *Sarkis, M.	NSF	Coupled Phenomena in Composite Materials	\$ 274,301
	Humi, M.	NSF	Modeling, Analysis and Simulation of Turbulence in the Lower Stratosphere/Upper Troposphere	\$ 327,057
	Heinricher, A.	NSF	Advancement of Mathematics Education Through Authentic Applications	\$ 870,517
	Vernescu, B. *Petrucci, J. *Morales, C.	Department of Education	GAANN Support in Mathematical Sciences	\$ 914,202
MECHANICAL ENG'G.	Dimentberg, M.	NSF	Stochastic Rotordynamics	\$ 269,065
	Furlong, C.	The Gillette Company	NDT aand Shape Characterization of Cutting Edge of Gillette Blades: Phase II	\$ 187,816
	Gatsonis, N.	Massachusetts Space Grant Consortium	Undergraduate Research and Aerospace Projects at WPI	\$ 10,000
	Hoffman, A. *Ault, H.	Purdue University	EPICS: Engineering Projects in Community Service	\$ 156,251

PHYSICS	Burnham, N.	NSF	NUE:Development of a Set of Instructional Materials for a Course on Atomic Force Microscopy for Undergraduates	\$	66,290
SS&PS	Wilkes, J.	NSF	Does SMET Course Performance Typically Vary by Learning Style	\$	169,263
OTHER	Cyr, M. *Goulet, J.	Massachusetts Dept. of Education	Learning Communities for Middle School Math	\$	620,938
	*CPI		Total	\$	4,114,297