

Report of Proposals

For the Month of December

<u>Department</u>	<u>Investigator</u>	<u>Sponsor</u>	<u>Title</u>	<u>Amount</u>
BIOLOGY & BIOTECHNOLOGY	Robakiewicz, P.E.	DOE	Fostering Critical Thinking About Bioremediation	\$193,878
CIVIL & ENVIRONMENTAL ENGINEERING	Mallick, R.B.	Univ. of Mass/Dartmouth	Development of a Testing Protocol for Quality Control/Quality Assurance of Hot Mix Asphalt (HMA)	\$50,875
	Mallick, R.B.	Univ. of Mass/Dartmouth	Field Evaluation of a New Compaction Device	\$21,669
	Mallick, R.B.	Univ. of Mass/Dartmouth	Design of Superpave HMA for Low Volume Roads	\$49,375
	Plummer, J.D.	NSF	SGER: Ultrasound as a Sole or Synergistic Disinfectant in Drinking Water Treatment	\$95,425
CHEMISTRY & BIOCHEMISTRY	Dittami, J.P.	BASF Bioresearch Corp.	Synthesis of New Heterocyclic Pharmacophore Scaffolds and Their Evaluation for Applicability to Drug Research	\$50,000
CHEMICAL ENGINEERING	Camesano, T.A.	NSF	Relating Physical-Chemical Properties to Transfection Efficiency for Polycationic Polynorbornene Polymers	\$159,180
	Clark, W.M.	U.S. Dept. of Agriculture	Improved Separation Processes for Protein Recovery from Transgenic Chicken Eggs	\$219,258
	MA, Y.H.	Dept. of Education	GAANN Support in Chemical Engineering at WPI	\$655,200
COMPUTER SCIENCE	Heineman, G.T. *Fisler, K *Gennert, M.A. *Selkow, S.M.	Dept. of Education	GAANN Support in Computer Science at WPI	\$491,400

ELECTRICAL & COMPUTER ENGINEERING	Makarov, S. *Ludwig, R.	Federal Aviation Admin.	Electro-Thermographic Testing of Painted Light Metal Sheets and Engine Components	\$79,917
	McNeill, J.A.	Perkin Elmer Optoelectronics	CMOS Linear Image Sensor	\$6,500
	Pahlavan, K. *Beneat, J. *Makarov, S.	Univ. of Oulu/Finland	Preliminary Study of Small Scale Ultra Wideband Antennas	\$15,000
FIRE PROTECTION ENGINEERING	Zalosh, R.	National Fire Protection Res. Fnd.	Tunnel Fire Detection	\$12,400
MATHEMATICAL SCIENCE	Walker, N.F.	Sandia National Laboratory	Nonlinear Solvers Research and Short Course	\$53,349
	Weekes, S.	NSF	Numerical Modelling of Wave Propagation in Dynamic Material	\$203,875
MECHANICAL ENGINEERING	Fofana, M.S. *Farr, W.W. *Rencis, J.J.	Dept. of Education	Graduate Assistance in Areas of National Need in Manufacturing	\$655,200
	Rong, Y.	Seagate Technology	System Analysis, Design and Development for Sealink Project	\$18,195
	Tryggvason, G.T.	Chevron Petroleum Technology Co.	Advanced Modeling of Multiphase Flow Problems Phase III	\$65,004
COMPUTING & COMMUNICATIONS CENTER	Mullen, J.S.	NSF	Higher Order Methods for Turbulent Combustion and the Development of WEB Based Interactive Visualization Tools...	\$208,436
PHYSICS	Iannacchione, G.S.	Dept. of Education	GAANN Fellowships in Physics at WPI	\$491,400
*CPI			TOTAL	\$3,795,536

