

Report of Proposals

For the Month of August 2000

<u>Department</u>	<u>Investigator</u>	<u>Sponsor</u>	<u>Title</u>	<u>Amount</u>
BIOLOGY & BIOTECHNOLOGY	DiIorio, A.A.	Carbomer, Inc.	Production of Polyglutamate Biopolymers	\$57,060
	Robakiewicz, P.E.	The Norcross Wildlife Fdn. Inc.	Conservation Genetics of a Vernal Pool Amphibian	\$2,700
BIOMEDICAL ENGINEERING	Kohles, S.S.	DHHS	Subchondral Poroelastic Anisotropy	\$191,022
CIVIL & ENVIRONMENTAL ENGINEERING	Mallick, R.B.	Maine Department of Transportation	Evaluation of Properties of Subsurface Soils and Reclaimed Base Material	\$26,000
	Mallick, R.B.	National Academy of Sciences	Development of Warm Mix Asphalt	\$86,474
	Mallick R.B.	National Academy of Sciences	Development of a Fast and Effective Method for Evaluation of Aggregate Properties	97,342
CHEMICAL ENGINEERING	Datta, R.	Nuvera Fuel Cells	Rational Design of Wgs Catalysts for Reformers and Fuel Cells	\$199,920
	Dixon, A.G.	Synetix	Catalyst Design for Improving Heat Transfer Near the Wall of a Fixed Bed Reactor Tube	\$55,916
	McNamara, K.M.	NASA	Anticipating Mars Sample Return	\$67,051
COMPUTER SCIENCE	Cruz, I.F.	NSF	Visual Query Languages for Database Systems	\$8,095
ELECTRICAL & COMPUTER ENGINEERING	Bromberg, M.C.	Radix Wireless Inc.	Synchronization and Gain Control for Wireless OFDM Communication Using Smart Antennas	\$19,578
	Makarov, S.	NSF	Analysis and Design of Volume Photonic Metal Grid	\$155,860

FIRE PROTECTION ENGINEERING	Dembsey, N.A.	K-Tech Corporation	Flame/Thermal Protective Fabric Test Apparatus, US Army/SBIR Phase 1/Option	\$16,357
HUMANITIES	Zeugner, J.F.	DOD/Army	Thai and Mandarin to Enhance WPI's Science/Engineering Project Centers in Asia	\$415,077
MECHANICAL ENGINEERING	Dimentberg, M.F.	NSF	Bounded Control and Nonlinear Response Analysis for Random Vibration	\$199,980
			TOTALS	\$1,598,432

