

Report of Proposals

For the Month of April 2001

<u>Department</u>	<u>Investigator</u>	<u>Sponsor</u>	<u>Title</u>	<u>Amount</u>
BIOLOGY & BIOTECHNOLOGY	Weathers, P. *Sullivan, J.	NASA	Providing Efficient Rootzone Aeration for Plants Cultured in Low Gravity	\$493,909
CHEMICAL ENGINEERING	DiBiasio, D. *Dixon, A. *Clark, W.	FIPSE, U.S. Dept. of Ed.	Understanding How Students Learn Engineering	\$306,183
	Ma, Y.H.	Shell Exploration and Production	Ultra Thin Pd/Alloy Membranes for Hydrogen Separation and Reaction Applications	\$526,141
	Ribeiro, F.	NSF	CAREER:Educational and Research Opportunities in Environmental Engineering: Catalysis as a Tool for Solving Environmental Problems	\$4,688
	Ribeiro, F.	Hyperion Catalysis Int'l, Inc.	New Nanoscale Catalysts Based on Molybdenum and Hyperion Catalysis Int'l Inc.	\$24,183
CIVIL & ENVIRONMENTAL ENGINEERING	Bergendahl, J.	EPA	Iron-Catalyzed Advanced Oxidation of MTBE-Contaminated Water	\$113,180
ELECTRICAL & COMPUTER ENGINEERING	McNeill, J.	SRC	Low Jitter Phase-Locked Loop Techniques for Deep Submicron Digital CMOS	\$256,561
MATHEMATICAL SCIENCES	Chen, M.	Dana Farber Cancer Institute	Bayesian Approaches to Model Selection for Survival Data	\$33,507
MECHANICAL ENGINEERING	Hoffman, A.	UMASS/Worcester	Stretch Sensitivity of Mouse Cutaneous Afferent Neurons	\$33,877
	Katz, R.	Foster-Miller, Inc.	Mechanical & Optical Characterization in Support of Development of Advanced Garnet Materials	\$33,971
	Pryputniewicz, R. *Furlong, C.	BWXT-Pantex	Optimization of Optoelectronic Holography System	\$848,774
	Pryputniewicz, R. *Furlong, C.	BWXT-Pantex	Development of a Laser-Based Optoelectronic Holography System for Inside Shape Measurements	\$822,936
	*CPI		TOTAL	\$1,739,558