

Report of Proposals

For the Month of October 2000

<u>Department</u>	<u>Investigator</u>	<u>Sponsor</u>	<u>Title</u>	<u>Amount</u>
BIOLOGY & BIOTECHNOLOGY	Krushkal, J.S.	U.S.-Israel Binational Science Fdn.	Molecular Evolutionary Analysis of Eubacteria Using Early Amino Acids	\$136,092
	Tyler, JA	University of Michigan	Modeling Salmonid Responses to Environmental Change	\$94,451
CIVIL & ENVIRONMENTAL ENGINEERING	Bergendahl, J.	American Chemical Society	Colloid Facilitated Leaching of Hydrophobic Contaminants	\$25,000
	Mallick, R.B.	Univ. of Mass/Dartmouth	Evaluation of Asphaltic Expansion Joints	\$29,943
	Mallick, R.B.	Infrasense, Inc.	Non-destructive Measurement of Pavement Layer Thickness	\$20,041
CHEMICAL ENGINEERING	Wyslouzil, B.E.	University of Delaware	Fundamental Studies of Silicon Carbide Synthesis in Combustion Flames	\$305,000
COMPUTER SCIENCE	Ward, M.O. *Gennert, M.A. *Rundensteiner, E.A.	NASA	Visualization Tools for Knowledge Discovery in Large-scale Earth and Space Science Data Sets	\$846,698
MATHEMATICAL SCIENCES	Chen, M.	NSF	Modeling Categorical Response Data: Robust Links and Applications	\$139,061
	Jin, W.	NSF	Singularly Perturbed Problems Arising From Thin Films	\$209,949
	Larsen, C.J.	NSF	Interaction Between Bulk and Surface Energies and Applications	\$214,513
	Martin, W.J.	National Security Agency	Combinatorics: Structure and Applications of Association Schemes	\$41,900
	Yakovlev, V.V.	Karlstad Univ.-Sweden	Modeling and Design of Packages for Food Products Processed by Microwaves	\$39,192

MECHANICAL ENGINEERING	Dimentberg, M.F.	NSF	Nonlinear Dynamic Two-sided Interaction of Nature with Pollutants	\$199,205
	Gatsonis, N.A.	MIT	WPI/Space Grant/Adv. Space Design	\$10,834
	Johari, H.	Army Research Office	Aerodynamics of Parachute Opening	\$63,517
	Sullivan, J.M.	Univ. of Mass/Worcester	Development and Refinement of Registration and Warping Algorithms	\$377,463
	Tryggvason, Gretar	Brown University	Micro-bubble & Micro-bubble/Polymer Turbulent Drag Reduction	\$428,232
DEPARTMENT MANAGEMENT	Gerstenfeld, A.	Dept. of Educ.	Africa: A Focus on the Southern Cone	\$176,915
			TOTAL	\$3,358,006

*CPI

