

REPORT OF AWARDS

For the Month of February 2004

<u>Department</u>	<u>Investigator</u>	<u>Sponsor</u>	<u>Title</u>	<u>Amount</u>
BIOLOGY & BIOTECHNOLOGY	Miller, J. *Rencis, J.	NSF	K-6 gets a Piece of the Piee - Partnerships Implementing Engineering Education	\$ 373,851
CIVIL & ENVIRONMENTAL ENGINEERING	Mallick, R.	University of New Hampshire	Evaluation of a Field Permeameter as a Longitudinal Joint Quality Indicator	\$ 26,800
COMPUTER SCIENCE	Fisler, K.	NSF	CAREER: A Computational Infrastructure for Timing Diagrams in Computer-Aided Verification	\$ 72,877
FIRE PROTECTION ENG'G.	Barnett, J.	Sandia National Laboratories	Cable Failure Based on Electrical Resistance	\$ 41,950
MATHEMATICAL SCIENCES	Heinricher, A. *Weekes, S. *Morales, C.	NSF	REU Site: REU in Industrial Mathematics and Statistics	\$ 99,291
MECHANICAL ENG'G.	Johari, H.	NASA	Modification of Turbulent Non-Premixed Flames by Pulsed Fuel Injection	\$ 33,760
	Tryggvason, G. *Esmaeeli, A.	The Pennsylvania State University	Multiscale Physical Modeling for Microbubble Drag Reduction at High Reynolds Numbers	\$ 78,000
	Apelian, D. *Makhlouf, M.	DOE	Low Cost & Energy Efficient Methods for the Manufacture of Semi-Solid Feedstock	\$ 194,685

	Rencis, J.	NSF	CCLI/EMD: Development of a Finite Element Method Learning Environment for Undergraduates	\$	74,999
	Tryggvason, G.	NASA	Droplets Impacting Liquid Films: Coalescence or Splash	\$	39,956
	Makhlouf, M. *Apelian, D.	Advanced Technology Institute	Development of an Electronic Data Base for Rapid Selection of Aluminum Die Casting Alloys	\$	37,414
PHYSICS	Iannachione, G.	NSF	CAREER: Random Disorder in Phase Transitions of Complex Fluids	\$	102,855
OTHER	Cyr, M *Goulet, J.	Massachusetts Dept. of Education	Learning Communities for Middle School Math	\$	202,322
	*CPI		Total	\$	1,378,760