

REPORT OF PROPOSALS

For the Month of January/2002

| <u>Department</u> | <u>Investigator</u> | <u>Sponsor</u> | <u>Title</u> | <u>Amount</u> |
|--|---|---------------------------------------|---|---------------|
| BIOMEDICAL ENG'G. | Sotak, C. | Boehringer Ingelheim Int'l GmbH | Reduction of Stroke Volume Under Transient Occlusion of Middle Cerebral Artery in Animals | \$ 102,000 |
| | Pins, G. | Whitaker Foundation | Engineering of Microtextured Basal Lamina Analogs to Control Kerationcyte Function & Enhance the Performance | \$ 239,962 |
| CHEMISTRY & BIOCHEMISTRY | MacDonald, J. *McGimpsey, W. G. *Datta, R. *Ribeiro, F. *Thompson, R. | NSF | MRI: Acquisition of Scanning Probe Instrumentation | \$ 168,437 |
| CIVIL & ENVIRONMENTAL ENGINEERING | Ray, M. | National Academy of Sciences | Interim Planning Activities for a Future Strategic Highway Research Program (Study II:Safety) | \$ 250,000 |
| COMPUTER SCIENCE | Fisler, K. | Northeastern University | Computing Education for Every Student in Secondary School | \$ 2,500 |
| | Ruiz, C. *Michalson, W. | Norfolk County Sheriff's Office | Norfolk County Sheriff's Office Database Development | \$ 14,866 |
| ELECTRICAL & COMPUTER ENGINEERING | Makarov, S. | NSF | Basic Communication Antenna-An Introductory Undergraduate Class | \$ 59,829 |
| | Ludwig, R. | UMASS Medical | Feasibility Study to Develop RF Coils for High-Field MRI | \$ 9,456 |
| | Looft, F. | NASA | Student Projects at the Goddard Space Flight Center | \$ 20,000 |
| | Clancy, E. | NIH | Noninvasive Motor Unit Discharge Assessment | \$ 299,052 |

| | | | | | |
|-------------------------------|----------------------------------|---------------------------------|--|-----------|------------------|
| FIRE PROTECTION ENG'G. | Barnett, J. *Lucht, D. | 3M Speciality Materials | Methods for Analyzing Thermal Decomposition Products from Interaction of C6-F-Ketone with Flame Front | \$ | 30,000 |
| MATHEMATICAL SCIENCES | Chen, M. | Dana-Farber Cancer Institute | Inference in Regression Models with Missing Covariates | \$ | 38,140 |
| | Walker, H. | Sandia National Labs. | Nonlinear Equations Research | \$ | 52,777 |
| MECHANICAL ENG'G. | Dimentberg, M. | NSF | Stochastic Oscillations & Intermittency in Population Dynamics | \$ | 247,901 |
| | Zeisler-Mashl, K. | NSF | IMR: Development of a Directional Solidification and Three-Dimensional Microstructural Reconstruction System for Materials | \$ | 266,496 |
| | Fofana, M. | NSF | MRI: Development of Experimental, Analytical, & Numerical Computations for Non-Linear Machining Systems | \$ | 466,285 |
| | Rong, Y. | NSF | GOALI: Integrated Geometry Variation Prediction & Control in Assembly | \$ | 354,185 |
| PHYSICS | Burnham, N. *McGimpsey, W. G. | NSF | MRI: Development of Instrumentation for Measuring & Controlling | \$ | 566,933 |
| OTHER | Blaisdell, S. | Northeastern University | 4 Schools for Women in Engineering | \$ | 178,000 |
| | *CPI | | Total | \$ | 3,366,819 |