

UNIVERSITY OF OKLAHOMA

Office of Research Administration

PROPOSALS NOT FUNDED

<u>Proposals Not Funded - January, 2002</u>	<u>Amount</u>
00S0495 Sridhar Radhakrishnan, Computer Science State of Oklahoma, Department of Transportation GIS-based Crash Information System	\$192,291.00
00S0507 Baxter Vieux, Civil Eng. & Environmental Sci. Luther White, Mathematics University Corporation for Atmospheric Research Prime Agency is DOC-NOA Improving Quantitative Precipitation Estimates and Hydrologic Prediction.	\$63,278.25
00S0530 Steve Sherrod, Ok. Biological Survey Donald Wolfe, Ok. Biological Survey David Wiedenfeld, Ok. Biological Survey National Fish and Wildlife Foundation Prime Agency is DOI-FW Factors Affecting Nesting Success, Mortality and Habitat Use by Lesser Prairie-Chickens, March 2000-February 2001	\$25,002.00
00S0543 Gayatri Kesavamurthy, Civil Eng. & Environmental Sci. Baxter Vieux, Civil Eng. & Environmental Sci. NASA - Headquarters Assessment of Data Assimilation of Remotely Sensed Landuse Management in a Physically-based Water Quality/Quantity Model	\$22,000.00
00S0545 Tohren Kibbey, Civil Eng. & Environmental Sci. David Sabatini, Civil Eng. & Environmental Sci. American Water Works Association Research Foundation Advanced Airstripper Designs for Removal of Methyl tert-Butyl Ether (MTBE) and Other Low-Volatility Compounds.	\$149,983.00

<u>Proposals Not Funded - January, 2002</u>	<u>Amount</u>
00S0554 Younane Abousleiman, Rock Mechanics Institute RMI Thurman Scott, Rock Mechanics Institute RMI M Kanj, Rock Mechanics Institute RMI State of Oklahoma, Center for the Advancement of Science and Technology In-Situ Stress Measurement: The Stress Tool Concept	\$39,919.00
00S0557 James Forgotson Jr, Geology & Geophysics John Castagna, Energy Center Director's Office State of Oklahoma, Center for the Advancement of Science and Technology Reservoir Properties Determined by Seismic Attenuation	\$39,999.00
00S0560 Michael Mumford, Psychology Mary Connelly, Psychology SkillsNET Corporation Department of Defense Occupational Analysis Project	\$358,748.67
00S0563 Thurman Scott, Rock Mechanics Institute RMI M Kanj, Rock Mechanics Institute RMI State of Oklahoma, Center for the Advancement of Science and Technology Development of Bench-top Rock Testing Systems	\$190,001.00
00S0572 Bret Wallach, Geography Spencer Foundation Developing Software for Handling Imagery on Instructional Web Sites.	\$33,554.00
00S0576 Edith Marsh-Matthews, Ok. Museum of Natural History William Matthews, Biological Station William Matthews, Ok. Museum of Natural History Edith Marsh-Matthews, Zoology Jacob Schaefer, Ok. Museum of Natural History Keith Gido, Ok. Biological Survey Environmental Protection Agency Detecting Temporal Variation and Long-term Change in Historical Community Data	\$228,792.00

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00S0586 John Conway, C I M M S CIMMS U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration Severe Weather and Tornado Warning Decision Support System	\$257,163.00
00S0611 Robert Schlegel, Industrial Eng. Randa Shehab, Industrial Eng. Kirby Gilliland, Psychology National Space Biomedical Research Institute Prime Agency is NAS-LBJ Cognitive and Sensorimotor Performance Monitoring and Countermeasure Prescriptions.	\$724,982.00
00S0612 Edward Baron, Physics & Astronomy David Branch, Physics & Astronomy NASA - Headquarters Detailed Multi-Wavelength Modeling of Supernovae with Applications to Cosmology	\$633,039.00
00S0617 Shelia Kennison, Psychology Spencer Foundation Improving Instruction in English-as-a-Second-Language.	\$34,922.00
00S0624 Valentin Rybenkov, Chemistry & Biochemistry Camille and Henry Dreyfus Foundation, Inc. Studying the Chromatin Structure and Dynamics by Single DNA Manipulation Technique	\$40,000.00
00S0628 Rex Page, Computer Science Arletta Knight, Instructional Development National Science Foundation Proofs Galore! AP Mathematics and Computer Science Together at Last	\$117,889.00
00S0635 Clara Kidwell, Native American Studies U.S. Department of Education Development of a Coalition to Offer Native Language Instruction Through Distance Learning Technology.	\$112,171.00

<u>Proposals Not Funded - January, 2002</u>	<u>Amount</u>
00S0638 Kathleen Welch, English National Endowment for the Humanities Power Surge: Rhetoric, Technoliteracy, and Women's Writing	\$30,000.00
00S0649 Mary Court, Industrial Eng. Oklahoma State University Prime Agency is US-DOJNIJ The Smart COUnter Terrorism System (SCOUTS)	\$153,562.00
00S0660 Barbara Safiejkomrocza, Zoology U.S. Department of Health and Human Services, National Institutes of Health Effects of Diabetes on Gingival Fibro Blasts Motility	\$211,027.00
00S0661 Suzette Grillot, Tulsa, International Academic Programs Smith Richardson Foundation, Inc. Awash with Weapons: Preventing and Managing the Global Proliferation of Small Arms	\$59,650.00
00S0687 Sandra Edge-Boyd, Social Work Julia Norlin, Social Work Louanna Law-Bickham, Social Work John A. Hartford Foundation Geriatric Social Work Practicum Development Program Scholarships	\$20,000.00
00S0690 E Taylor, Health & Sport Sciences Health Sciences Center Prime Agency is HHS-CDC Preventing Excess Weight Gain in Women of Childbearing Age by Promoting Healthy Eating and Physical Activity During Pregnancy	\$72,035.00
00S0693 Sudarshan Dhall, Computer Science Sridhar Radhakrishnan, Computer Science Oklahoma State University Prime Agency is US-DOJNIJ The Real-Time Detection of Network Intrusion	\$362,927.00

<u>Proposals Not Funded - January, 2002</u>	<u>Amount</u>
00S0698 Baxter Vieux, Civil Eng. & Environmental Sci. Oklahoma State University Prime Agency is US-DOJNII Hazards Visualization Tool	\$167,304.00
00S0700 Kenneth Wedel, Social Work Oklahoma State University Prime Agency is US-DOJNII An Examination of the Search and Rescue Efforts and Medical Responses in Massive Environmental Disruptions	\$232,061.00
00S0711 Sridhar Radhakrishnan, Computer Science Sudarshan Dhall, Computer Science John Antonio, Computer Science OKC National Memorial Institute for the Prevention of Terrorism & Violence Prime Agency is US-DOJNII Distributed Sensor Networks for the Detection of Chemical and Biological Agents and Prediction of their Dispersion	\$1,414,319.00
00S0712 Michael Ashby, Chemistry & Biochemistry Research Corporation Cryogenic Stopped-Flow Infrared Spectroscopy of Proteins	\$25,000.00
00S0714 Joseph Havlicek, Electrical & Computer Eng. James Sluss, Jr, Electrical & Computer Eng. Monte Tull, Electrical & Computer Eng. OKC National Memorial Institute for the Prevention of Terrorism & Violence Prime Agency is US-DOJ Video Intelligent Sensing Integrated Optical Network Surveillance (VISIONS): Innovative Smart Video Technology Combined with Lessons Learned from the Oklahoma City Bombing	\$2,348,668.00
00S0720 Suzette Grillot, Tulsa, International Academic Programs Cassady Craft, Tulsa, International Academic Programs OKC National Memorial Institute for the Prevention of Terrorism & Violence Prime Agency is US-DOJNII Tackling Terrorism: Assessing and Strengthening U.S. and International Counter- and Anti-Terrorism Efforts	\$724,692.00

<u>Proposals Not Funded - January, 2002</u>	<u>Amount</u>
00S0729 Tohren Kibbey, Civil Eng. & Environmental Sci. American Chemical Society, Petroleum Research Fund Algorithm Development for Direct Calculation of Capillary Pressure-Saturation Relationships in Complex Pore Geometries	\$25,001.00
00S0732 Elizabeth Butler, Civil Eng. & Environmental Sci. American Chemical Society, Petroleum Research Fund Factors Influencing Reaction Pathways in the Transformation of Chlorinated Aliphatic Pollutants By Iron Metal and Iron Sulfide.	\$25,000.00
01S0225 Michael Soreghan, Geology & Geophysics Syracuse University Prime Agency is NSF Collaborative Research: Scientific Drilling in Lake Malawi, East African Rift	\$83,020.00
01S0686 Ralph Wheeler, Chemistry & Biochemistry U.S. Department of Health and Human Services, National Institutes of Health New Mean-Field Simulations of HIV Protease Inhibitors	\$1,183,672.00
02S0028 Jeff Basara, Ok. Climatological Survey Jerry Brotzge, Center for the Analysis & Prediction of Storms Kenneth Crawford, Ok. Climatological Survey National Science Foundation Quantifying the Impact of Surface Conditions on Atmospheric Processes in the Planetary Boundary Layer During the IHOP Field Experiment	\$339,708.00
02S0030 Dimitrios Papavassiliou, Energy Center Director's Office Dimitrios Papavassiliou, Chemical Eng. & Materials Sci. National Science Foundation CAREER: Scalar Transport in Porous Media	\$374,978.00
02S0042 Dean Hougen, Computer Science National Science Foundation CAREER: Robotic Intelligence and Learning	\$381,039.00

<u>Proposals Not Funded - January, 2002</u>	<u>Amount</u>
02S0046 Wai Tak Yip, Chemistry & Biochemistry National Science Foundation Probing Heterogeneous Charge Carrier Dynamics in Polymer Light Emitting Diode with Single Molecule Electroluminescence	\$591,123.00
02S0071 Aondover Tarhule, Geography Thomas Dewers, Geology & Geophysics Soe Myint, Geography National Science Foundation Modeling Recharge and Applying Remote Sensing/GIS to Map Alluvial Aquifers	\$245,711.00
02S0073 Michael Lewchuk, Geology & Geophysics Richard Elmore, Geology & Geophysics National Science Foundation Tectonic History of the Brooks Range, Northern Alaska	\$178,647.00
TOTAL PROPOSALS NOT FUNDED January, 2002	<u>\$12,512,877.92</u>