

GRANTS AWARDED
FISCAL YEAR 2004-2005

April-June, 2005

JUNE 1 THROUGH JUNE 30

Glenn Binkley, Facilities, “New Nursing and Health Sciences Building”, \$492,080, Department of Health and Human Services, Health Resources and Services Administration.

Sakir Ayik, Physics, “Studies of Fluctuation Processes in Nuclear Collision”, \$54,000, Department of Energy.

Sastry Munukutla and Robert Craven, Center for Energy Systems Research, “Real-Time Coal Quality and Performance Monitoring for Huntly Station”, \$30,000, Genesis Power, Ltd. – Huntly Power Station.

Ben L. Byler, Agriculture, “Tennessee Department of Education Camp Clements- Lifeguards”, \$2,349, State of Tennessee Department of Education.

Hayden Mattingly , Biology and Vincent Neary, Civil and Environmental Engineering, “Topminnow Population Exposed to Invasive Mosquitofish”, \$50,000, United States Fish and Wildlife Service.

Dennis George, Yvette Clark and Amy Knox, The Water Center and Michael Birdwell, History, “Development of an Annotated Bibliography Characterizing The Duck River Basin(HUC TN06040002 and HUC TN06040003)”, \$42,885, Tennessee Duck River Development Agency.

Francis Otuonye, Research and Graduate Studies, “Earth Science Institute (Addendum)”, \$26,266, National Science Foundation.

Hayden T. Mattingly, Biology, “Distribution and Abundance of the Blackside Dace in Key Watersheds of the Upper Cumberland River System”, \$10,000, United States Geological Survey Department of Interior-Biological Resources Division; CFRU.

James B. Layzer, Biology, “Habitat Characterization and Distribution Surveys for Chucky Madtom in Tributaries to Little Chucky Creek”, \$10,000, United States Geological Survey – Office of Acquisition and Grants.

Dean Richey, Curriculum and Instruction, “Tennessee’s Early Intervention System Upper Cumberland District Plus: Amendment”, \$259,200, Tennessee State Department of Education.

Kevin Liska, Business Media, “Marketing Regents On-Line Degree Program Campaign – Extension”, \$100,000, Tennessee Board of Regents.

Sastry Munukutla and Robert Craven, Center for Energy Systems Research, “Installation of Carbon Dioxide Monitor and the Incorporation of Generated Data Into the Performance Monitoring Software at NTPC-DADRI (Addendum #2)”, \$2,500, Energy and Environmental Solutions, LLC.

Dennis B. George, The Center for Management, Utilization and Protection of Water Resources, “Water Center Analytical and Computer Services”, \$65,920, Various Sources.

MAY 1 THROUGH MAY 31

Raymond L. Kozub, Physics, “Nuclear Physics with Radioactive Beams”, \$50,000, U. S. Department of Energy.

Yvette Clark and Amy K. Knox, Center for Management, Utilization and Protection of Water Resources, “Local Planning Assistance Office- Geographic Information System Improvement Proposal”, \$129,677, Tennessee Department of Economic and Community Development.

Chunsheng Wang, Center for Manufacturing Research, “T/J Technologies Battery Research (Proprietary)”, \$38,000, T/J Technologies, Inc.

Kenneth Currie, Center for Manufacturing Research, “Titanium Welded Bellows – Phase II”, \$142,232, Flexial Corporation.

Kenneth Currie, Center for Manufacturing Research and Virginia Moore, College of Business Administration, “Small Business Development Center, 2004-2005”, \$6,052, Tennessee Economic and Community Development.

Michael Harrison and Hugh Mills, Earth Sciences, “Geologic Bedrock and Surficial Map of the Cookeville East Quadrangle”, \$5,124, United States Geological Survey.

Dale Ensor, Chemistry, “Separation Studies of /f/-Elements”, \$20,000, UT-Batelle, LLC for the U. S. Department of Energy c/o Oak Ridge National Laboratory.

Joseph Biernacki, Chemical Engineering and Ahmed Elsayy, Manufacturing and Industrial Technology, “Manufacturing of Lightweight Aggregate From Fly Ash”, \$46,723, Tennessee Valley Authority.

James B. Layzer, Biology/Cooperative Fisheries Research Unit, “Propagating Mussels at Tennessee Technological University and Cultivating Juveniles at Mammoth Cave National Park”, \$43,000, United States Department of Interior, National Park Service.

Stephen L. Canfield, Mechanical Engineering and James W. Beard, Energy Systems Research Center, “The Climbing MARGE Robot”, Continued, \$14,500, ARF, Inc./EPRI, I and C Center.

APRIL 1 THROUGH APRIL 29

Kenneth Currie, Center for Manufacturing Research, “ARM Finite Element Analysis Services”, \$25,000, ArvinMeritor, Inc.

Sue Bailey, Human Ecology, “Family and Consumer Sciences Education”, \$1,683, Tennessee Department of Education – Division of Vocational-Technical Education.

Craig Henderson, Civil and Environmental Engineering, “Development of Code Methods for Predicting the Capacity of Masonry Infilled Frames”, \$34,470, National Concrete Masonry Association(NCMA).

Curtis Armstrong, Decision Science and Management, “Governor’s School for Information Technology Leadership”, \$113,750, State of Tennessee.

M. Abdelrahman and Kenneth Currie, Electrical and Computer Engineering and the Center for Manufacturing Research, “In-Situ Real Time Monitoring and Control of Mold Making and Filling Processes”, \$336,014, U. S. Department of Energy.

Corinne Darvennes and Steve Idem, Mechanical Engineering and The Center for Energy Systems Research, “Inlet Installation Effects on Small Propeller Fans, Air and Sound”, \$94,320, American Society of Heating, Refrigeration and Air-Conditioning Engineers, Inc.

Hong Zhang, Chemistry, “Assessment of Natural Sources (Geological and Vegetation) Mercury Emission: Speciation, Mechanism and Significance”, \$5,000, University of Nevada at Reno.

Dennis George, Yvette Clark and S. Bradford Cook, The Center for Management, Utilization and Protection of Water Resources, and Biology, “Collect and Analyze Water Quality Samples From the Emory River Watershed”, \$7,000, Tennessee Valley Authority.