

NKU, OFFICE OF RESEARCH, GRANTS, AND CONTRACTS
GRANTS AWARDED FUNDING
FISCAL YEAR 2007 (APRIL 2007)

Department	Principal Investigator	Project Title	Funding Agency	Award Notification Date	Project Duration	Amount of Award
Biological Sciences	Richard Boyce	Assessing the Effects of Amur Honeysuckle Control on Native Plant Communities at Woodland Mound Park: Post-Control Response	Hamilton County Park District	4/1/07	3/1/07 - 2/29/08	\$ 1,377

Native plants were surveyed at four sites with different degrees of infestation by the exotic Amur honeysuckle in 2005. The honeysuckle canopy was removed in the fall of 2005. The purpose of this grant is to look at native plant recolonization in the permanent plots that were established before the removal of the honeysuckle.

Biological Sciences	Rebecca Evans	The link between trace metals and antibiotic resistance in fecal coliforms	Kentucky Water Resources Research Institute	4/13/07	3/1/07 - 2/29/08	\$ 5,000
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This grant will fund the analysis of trace metals in Ohio River water samples. The objective is to use trace metal concentrations, in addition to the existing data on fecal coliform presence and antibiotic resistance, to gain a better understanding of sources of contamination in the Ohio River basin.

Chemistry	KC Russell	Ion-sensitive Push-Pull Pyridoannulenes	Petroleum Research Fund	4/16/07	5/1/07 - 4/30/10	\$ 55,000
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Undergraduates will prepare a series of compounds that will be tested for their ability to bind and respond to the presence of various cations.

Office of Economic Initiatives	T. Keith Schneider	Southern Counties Initiatives	Multiple Sources	4/4/07	8/1/06 - 6/30/08	\$ 10,300
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These funds are continuing support for a project that will create a robust, regional economic development plan for six southern counties of northern Kentucky, including Bracken, Carroll, Gallatin, Grant, Owen, and Pendleton. The anticipated improvements that will result from the implementation of the plan will include increasing entrepreneurial activity and business startups, raising skill levels, and heightening career potential for county residents.

Department	Principal Investigator	Project Title	Funding Agency	Award Notification Date	Project Duration	Amount of Award
Physics and Geology	Scott Nutter	CREST Veto Counters - Additional Funds	National Aeronautics and Space Administration (NASA) The Pennsylvania State University	4/17/07	1/14/04 - 1/13/08	\$ 14,000

The CREST collaboration will construct an instrument to search for high energy electrons and positrons in the cosmic rays by detecting the x-ray synchrotron design, fabrication, characterization, and integration of a scintillator veto counter, which will discriminate against particles directly traversing the detector and masquerading as an x-ray signal.

Physics and Geology	Scott Nutter	Cosmic Ray Energetics And Mass (CREAM II) - Additional Funds	National Aeronautics and Space Administration (NASA) The Pennsylvania State University	4/17/07	12/1/04 - 11/30/07	\$ 11,767
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These funds will allow NKU to participate in the design, fabrication, testing, and integration of plastic scintillator-based detectors.

Teacher Education and School Leadership	Lynne Smith	Reading First Coach	Kentucky Department of Education	4/20/07	7/1/07 - 6/30/08	\$ 128,909
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This is a continuation of a project. Under the leadership of the university reading instructors and KDE Reading First staff, the Reading First Coach will continue to provide consultative services, professional development, and technical assistance to Reading First districts, schools, primary teachers, and K-12 special education teachers throughout the Commonwealth.

Total Number of Awards: 7

Total Funds Awarded: \$226,353