Grants Aid Quick Research Response to Urgent Events

When calamity strikes—whether at home or broad, limited or cataclysmic—special federal grants can put researchers to work fast, capturing urgent data that can’t wait for the usual months-long application, review and awards process.

At the National Science Foundation, the Small Grants for Exploratory Research (SGER) mechanism funds research characterized as severely urgent with regard to availability of, or access to, data, facilities or specialized equipment. That includes quick-response research on natural or man-made disasters and similar unanticipated events.

Brief proposals—no more than two to five pages—of up to $200,000 speed through internal NSF merit review in a fraction of the normal proposal dwell time.

Since 1990, the mechanism option has permitted program officers at NSF to shorten the normal external grants review and make small-scale awards under special circumstances.

As result, an engineering team received a SGER award to conduct post-disaster reconnaissance and collection of perishable data, particularly samples of steel structures, immediately after the September 11 terrorist attack.

Following a wildfire that ravaged a biological field station, an ecology team used SGER funds to quantify the fire's effects on ecosystem function and erosion and determine the impacts of fire on carbon transport and carbon fate.

In the aftermath of last year’s devastating multiple-hurricane season, a North Carolina State University investigator won an SGER grant to study how previous experience with a particular hazard influences decision-making in young and older adults. Research issues include whether age differences and experience influence disaster preparation, compliance with warnings and perception of risk.

SGER grants have been funded across NSF’s discipline directorates and divisions, and for purposes other than disaster-related research. The grants also fund preliminary work on untested and novel ideas; ventures into emerging and potentially transforming research concepts; application of new expertise or new approaches to established research topics and similar efforts that are likely to catalyze rapid and innovative advances.

At the National Institutes of Health, the National Institute of Mental Health’s RAPID program (for Rapid Assessment Post-Impact of Disaster) serves a similar function.

(Continued on page 12)
If you are interested in any of the following funding opportunities, send an e-Mail to lcook@oswego.edu with the program title and reference number if there is one.

**ARTS**

Grants for Arts (NEA) [2905]
**Scope:** The National Endowment for the Arts seeks grant applications under a variety of programs to expand arts literacy and education.

**Areas:** Initiatives include:
- Learning for Children and Youth. Grants support exemplary projects in dance, design, folk and traditional arts, literature, local arts agencies, media arts, museums, music, theater, visual arts and multidisciplinary art forms.

**Deadline:** June 13
**Funds:** Awards range from $5,000 to $150,000 each.
- Summer Schools in the Arts. Grants support challenging summer arts education programs that enable children and youths to acquire knowledge and skills in the arts, as well as gain lifelong interests in the arts and culture. Projects provide instruction in one or more disciplines and culminate in public performances, exhibitions and other participant demonstrations.

**Deadline:** May 23
**Funds:** Grants range from $15,000 to $35,000 each.
- Grants for Arts Projects/Access to Excellence. Grants support exemplary projects across arts disciplines and seek to foster and preserve artistic excellence and provide broad public access.

**Deadline:** March 14
**Funds:** Grants range from $5,000 to $150,000.
- Challenge America: Reaching Every Community Fast-Track Review Grants. The program aims to enable organizations, particularly small and mid-sized organizations, to extend the reach of the arts to populations whose opportunities to experience the arts are limited by geography, ethnicity, economics or disability.

**Deadline:** June 1
**Funds:** $10,000 each.

Sparkplug Foundation [78937]
**Scope:** Music--The sponsor seeks to foster the expansion of musical ideas by supporting new projects which promote original programming and new performers.

**Deadline:** March 25
**Funds:** The sponsor makes grants only for seed money, or to launch new ideas within existing projects.

**Open Meadows Fund [70555]**
**Scope:** The sponsor funds projects that are designed and implemented by women and girls; projects which have limited financial access which reflect the cultural and ethnic diversity of our society and promote the empowerment of women and girls; and projects for social change that have encountered obstacles in their search for funding.

**Deadline:** Feb 15 and Aug 15
**Areas:** The PatsyLu Music Fund will consider music projects from women who are composers, music educators, musicologists, performers (or in performing groups). The mission of the fund is to seek out women's music projects from women of ethnic, cultural, and racial diversity and especially the work of lesbians.

**Nakamichi Foundation [17499]**
**Scope:** Support is provided to encourage the propagation and appreciation of baroque and early classical music.

**Deadline:** March 15
**Areas:** The majority of grants are given for the purpose of underwriting performances of the baroque and classical music and/or their broadcast on public television or radio. However, the sponsor may give a grant to qualified organizations for the purpose of providing scholarships to students engaged in the advanced study of baroque and classical music.

**Fund for Performance Art and the Future of the Present - Franklin Furnace**
**Scope:** Franklin Furnace Archive, Inc., a New York City-based nonprofit organization, works to present, preserve, interpret, proselytize, and advocate on behalf of avant-garde art, especially forms that may be vulnerable due to institutional neglect, their ephemeral nature, or politically unpopular content. Franklin Furnace is currently accepting applications for the following programs:
- Franklin Furnace Fund for Performance Art: Supported by the Jerome Foundation and the New York State Council on the Arts, the fund awards grants between $2,000 and $5,000 to performance artists, allowing them to produce major works in New York. Artists from all areas of the world are invited to apply.
- The Future of the Present: Franklin Furnace offers artists an honorarium and a residency facilitated by Franklin Furnace for a two- to four-month duration at a physical or online venue appropriate to the proposed work. Artists who are interested in developing "live art on the Internet" and engaging the Internet as an art medium and/or venue are encouraged to apply.

**Deadline:** April 1

**EDUCATION**

**Stranahan Foundation [68571]**
**Scope:** The sponsor's emphasis is to:
- increase the number of quality educational opportunities at the primary and secondary school levels, and to promote greater access to such programs;
- support learning institutions that value independent thinking, artistic appreciation, cultural, economic and ethnic diversity, and community service; and support small manageable programs within institutions of higher learning.

**Deadline:** March 1
**Funds:** The grant range is from $1,000 to $300,000. Smaller operating support
funds are granted annually to some organizations. Larger grants are made under special circumstances.

**Staples Foundation for Learning [70111]**

**Scope:** The sponsor funds non-profit, tax-exempt organizations for programs that support or provide job skills and/or education for all people, with a special emphasis on disadvantaged youth.

**Deadline:** March 28, June 28, Sept 27

**Areas:** The sponsor's mission is to provide funding to programs that support or provide job skills and/or education for all people, with a special emphasis on disadvantaged youth. The sponsor seeks to support causes that teach, train and inspire people from all walks of life and diverse backgrounds.

**Early Reading First (ED) [2903]**

**Scope:** The Education Department seeks applications to operate full-time, full-year early childhood education programs that serve children in the two consecutive years prior to their entering kindergarten.

**Deadline:** Feb. 7 for pre-applications; May 2 for applications.

**Funds:** $104.2 million for 23 to 139 awards of $750,000 to $4.5 million a year each for three years.

**Eligibility:** One or more: local education agencies eligible to receive a subgrant under the Reading First program; public and private organizations or agencies— including faith-based organizations located in communities served by an eligible LEA; or eligible LEAs applying in collaboration with other eligible organizations or agencies.

For public and private organizations to be eligible, the application must be on behalf of one or more programs that serve preschool-age children, such as a Head Start, child care or family literacy program or a university lab school.

**Areas:** Projects enhance the oral language, cognitive and early reading skills of preschoolers, especially children from low-income families. Priorities are: programs of sufficient duration and intensity to maximize language and early literacy gains for children enrolled in them; and projects in which 75 percent of children enrolled in all preschool centers supported by the Early Reading First funds (or 75 percent of elementary school children enrolled in the attendance area where the center is located) qualify for free or reduced price lunches.

**Tip:** Novice applicants also will be favored—with five points added to the pre-application and another five points given full applications.

**American Educational Research Association [72520]**

**Scope:** The sponsor awards research grants intended to: stimulate research on fundamental educational issues, with a priority for the education of poor, urban, or minority students and for mathematics and literacy education; attract a cadre of talented scholars and enhance their research preparation; build a network of scholars whose collaborations focus on high priority educational issues; and contribute to basic knowledge, the improvement of practice, and the informing of policy in educationally important contexts.

**Deadline:** March 14

**Funds:** $3 million for 10 awards of $150,000 to $425,000 a year each for up to five years.

**INTERDISCIPLINARY**

**Institute of Museum and Library Services (IMS) [RFP1210]**

**Scope:** The Institute of Museum and Library Services, in conjunction with the Corporation for Public Broadcasting, has released guidelines for the Partnership for a Nation of Learners (PNL) Community Collaboration Grants, which are designed to support new and existing lifelong learning collaborations between museums, libraries, and public broadcasters.

**Deadline:** March 1

**Eligibility:** Eligible projects include collaborations between a public broadcasting licensee (radio or television) and a museum or library, or among all three types of organizations. Projects that involve all three types of organizations will generally be considered more competitive for funding.

**Funds:** Grant amounts will range from $25,000 to $250,000.

**Areas:** Applicants must be either a unit of state or local government or a private nonprofit organization that has
Members of the Chemistry (Drs. Bendinskas, Bruch, Kadima, Raymond) and Biology (Drs. Lackey, Ouellette) Departments at SUNY College at Oswego have received funds from NSF (National Science Foundation) to purchase a matrix assisted laser desorption ionization – time of flight (MALDI-TOF) mass spectrometer, 2D gel electrophoresis equipment, computer resources, and other associated equipment to develop a multi-purpose mass spectrometry and proteomics facility. This facility will be utilized for training, research, and teaching.

The increasing importance of mass spectrometry in a variety of disciplines makes the impact of such a facility far reaching. The joint venture for the departments will also encourage biology students to consider chemistry a more integral part of modern biology. The facility will be utilized by a variety of biology and chemistry courses, from freshmen to masters’ levels. The ease of use, versatility, ability to analyze crude as well as pure samples, and the rugged nature of the instrument make it ideal for a primarily undergraduate setting. Mass spectrometry is a powerful teaching tool as it covers chemistry, physics, and structural considerations for macromolecules and complexes. The bioinformatics components for these applications are primarily proteomics (Microorganism Identification, BioTools for TOF spectra, Imagemaster for 2D gel analysis) but also cross into genomics (since the databases used for proteomics contain translated gene sequences), and will allow us to build our own databases for fingerprinting microorganisms and cyanotoxins. The use of the proposed facility for the 10 different research areas outlined in this proposal will advance our current understanding and help develop new diagnostics concerning molybdenum cluster complexes, cyanotoxins.

(Continued on page 13)

An Eye on Funding (continued from page 3)

Funding is via the research project grant, which provides varying amounts for four or five years. Applicants requesting $500,000 or more in direct costs in any one year must contact relevant program staff at least six weeks before submitting the application to obtain agreement that the institute will consider the application.

Areas: General interest areas are: the effect of cognition or personality—beliefs, attitudes, values and modes of thinking—and emotions on physical health and the underlying physiological, behavioral and social pathways those factors travel to affect health; determinants and antecedents of the cognitive, personality and emotional factors that affect health and how they develop and are maintained or changed; and how stress influences health. Research topics reflect the missions of participating funding components, which include: the National Cancer Institute; National Center for Complementary and Alternative Medicine; National Heart, Lung and Blood Institute; National Institute on Alcohol Abuse and Alcoholism; National Institute of Dental and Craniofacial Research; National Institute of Environmental Health Sciences; National Institute of Mental Health; National Institute of Child Health and Human Development; National Institute on Aging; and National Institute on Drug Abuse.

Assessing Function: Mental Disorders (NIMH) [2903]
Scope: The National Institute of Mental Health seeks proposals to apply biobehavioral science methods and approaches to developing and refining definitions of and measures for function and disability in individuals with mental disorders.
Deadline: June 1 and Oct. 1
Funds: There is no dollar setaside.

(Continued on page 6)
10th Annual Small Grants Program Research, Education and Public Service Projects

Rice Creek Associates (RCA) invites proposals form scholars, scientists, educators and students for the 2005 Rice Creek Associates Small Grants Program. RCA's small grants program is intended to support and encourage research, education and public service projects at Rice Creek Field Station (RCFS), particularly in areas of field biology and the natural sciences.

RCFS is a unit of SUNY Oswego dedicated to the support of academic instruction, research and public service, especially in the natural sciences and environmental education. The mission of Rice Creek Associates is to support the educational, research and service aims of Rice Creek Field Station.

Located about 1 1/2 miles south of Lake Ontario and the main campus, RCFS properties include approximately 300 acres of varied habitats with open fields, mature forests, and land in various stages of succession. The property is bisected by Rice Creek and 26 acre Rice Pond. Facilities include labs, a classroom, a small library, collection storage, and small boats. Lodging is available on the main campus.

Proposals oriented toward basic and applied research in field biology, the natural sciences, education, and/or service projects will be considered. Past

Small Grants Available to Develop “Psychology & the Arts” Events

ARTSwego invites proposals from faculty or staff for the 2005 - 2006 academic year. ARTSwego's small grants program is intended to support and encourage the development of arts events for the campus community. Applications that can integrate an event with curricular offerings are particularly encouraged. For 2005 - 2006, priority will be given to those proposals that are consistent with this year's programming theme, namely, "Psychology and the

(Continued on page 12)
Funding mechanisms are: the research project grant, which provides varying amounts for up to five years; the small grant, which provides up to $50,000 a year each for two years; and the NIMH interventions developmental grant, which provides up to $225,000, to $450,000 over three years, with no single year exceeding $225,000.

Areas: Measures may be based on direct observation or involve analog tests that seek to simulate real world tasks, self-reports, reports of family members or provider-rated approaches. Examples include studies validating laboratory-based measures with ecological observation and developing measures of functional capacity that predict future functioning.

INTERDISCIPLINARY

Retirement Economics (NIA) [2903]
Scope: The National Institute on Aging invites applications for research on the factors involved in older individuals' work and retirement decisions and their context and consequences, which have increasing significance for public policy in light of the approaching retirement of the baby-boom generation.
Deadline: June 1 and Oct. 1
Funds: There is no dollar setaside. Funding mechanisms are: the research project grant, which provides varying amounts for four or five years; the broad-based multidisciplinary, multi-component, thematic program project grant, which often exceeds $500,000 a year for five years; the small grant, of up to $250,000 each for two years; and the exploratory development grant, which provides up to $275,000 each over a two-year project period.
Areas: Research interests range over a wide area including: determinants of retirement behavior; variation in work patterns in later life; evolution of health and economic circumstances of individuals through retirement and later life; time use and life satisfaction in retirement; implications of retirement trends; retirement expectations and planning; international comparisons of retirement; and retirement modeling.

Climate Change, Variability and Health (EPA) [2903]
Scope: The Environmental Protection Agency seeks proposals for team research on the consequences of global climate change and variability on human health in priority areas of heat- and cold-related illnesses and water-borne diseases.
Deadline: March 24
Funds: $2.4 million for four grants of up to $200,000 a year each for three years up to $600,000 total.
Areas: Topics related to heat- and cold-related illnesses include: the quantitative direct effect of climate change on heat-related disorders; children's exposure to dangerous heat and cold; and links between climate change/variability and other factors, such as extreme weather events.

New York Times Company Foundation, Inc. [02805]
Scope: The sponsor provides grants for: cultural affairs, education, community services, journalism, and environmental concerns.
Deadline: June 1
Areas: Support is provided in the following areas: cultural affairs, education, community services, the environment and journalism.

American National Election Studies (NSF) [2903]
Scope: The National Science Foundation invites proposals from scholar-investigators to undertake a large-scale data-collection project on election campaigns, electoral choice, election outcomes and citizen engagement in the United States.
Deadline: May 6
Funds: $7.6 million for one award.

Eligibility: Ph.D.-holding scholar-investigators with theoretical, methods, measurement and administrative skills, as well as other necessary resources.

Areas: The solicitation reflects priorities that emerged from a 2003 NSF-sponsored political science workshop that identified methodological and substantive challenges over the next decade and framed a variety of recommendations that include: continue support for a presidential study that includes a core component; consider a panel design for the presidential election study; maintain face-to-face interviews of respondents for the core component; ensure investigators have the capacity to conduct pilot research on innovative methodologies and substantive issues specific to a time and place; consider a dynamic component that captures important on-going events; establish a core national study as a "docking station" for substantive modules submitted by researchers outside the current American national elections studies community; encourage researchers to seek cooperative arrangements with funding groups, other government agencies and surveys; and maintain standards for data access and dissemination.

Community Anti-Drug Coalitions (SAMHSA) [2904]
Scope: The Substance Abuse and Mental Health Services Administration and the White House Office of National Drug Control Policy invite applications under the 2005 competition for funds to establish grassroots coalitions to reduce substance abuse among youths and, over time, adults.
Deadline: March 11 for new applications; April 5 for competing renewal applications.
Funds: $70 million for 700 awards of up to $100,000 a year each for five years.
Eligibility: Community coalitions of local nonprofit, charitable, education and public organizations and agencies.
College, University Role Urged in Local Drug Efforts

Communities can strengthen efforts to combat youth substance abuse by enlisting academic institutions in grassroots partnerships, according to anti-drug coalition veterans.

Academic institutions are valuable participants, lending experience in areas from program coordination and evaluation to grantsmanship, members of the Community Anti-Drug Coalition of America told annual meeting attendees in Washington, D.C.

Academic institutions are not required partners under the $70 million federal community anti-drug coalition grant competition announced last week, but they might be a logical choice, said a program grantee.

“An academic partner...brings unique resources that may not otherwise be available in your community,” said Sarah Beversdorf, rural health liaison at the Medical College of Wisconsin and member of the Marion Area Coalition for Healthy Communities.

Collaborations between universities, medical colleges and community organizations have long been used to address various issues faced by a community—ranging from immunizations to maternal and child health. Those arrangements are particularly effective in community anti-drug coalitions, because they help complement a coalition’s work, she said.

While communities have neighborhood networks, institutional savvy and insights into local culture, academic partners can draw on broad knowledge about grant writing or financial management.

“We really see it as utilizing the best of both worlds,” Beversdorf said.

“Even if you have grant-writing skills, someone who has been doing it longer can write a grant more efficiently so you can spend your time helping to solve substance abuse issues in the community.”

Academic contributors can be especially important to coalitions in rural areas where specialized resources are scarce, she added. Rural coalitions may be hard-pressed to find people with needed skills to coordinate and administer a grant. If a coalition gets a large grant, they may or may not have the expertise to handle it without help, she said.

Often the academic partner brings to the effort specific content knowledge in addiction and drug dependency and can inform coalitions about best practices.

An institution also may be directly involved in providing substance abuse services and personnel. For example, an alliance with a school of social work may result in graduate students’ participation, providing substance abuse counseling under supervision.

Benefits accrue as well to the college or (Continued on page 13)

“Eye on Funding (continued from page 6)

The coalition must have representation from the following sectors: young people; parents; business; media; schools; youth-serving organizations; law enforcement; religious/fraternal organizations; civic and volunteer groups; healthcare professionals (especially from behavioral health); and state, local and/or tribal government agencies with expertise in substance abuse issues.

Areas: Funds promote efforts to plan, promote and implement effective substance abuse prevention strategies; enhance collaboration among sectors and organizations in a community; and assess the effectiveness of substance abuse/use prevention and reduction activities. The focus is on minimizing factors in a community that increase risk of substance abuse and strengthening youth development and resilience.

Grants support community needs assessment; capacity building; planning; implementation and evaluation.

Sociobehavioral Data on Aging (NIA) [2902]
Scope: The National Institute on Aging seeks small grant applications to stimulate and facilitate data archival and secondary analysis of data related to social and behavioral issues in aging research .

Deadline: June 1
Funds: Up to $50,000 a year each for two years.
Areas: Funds support: archiving involving data on caregiving, cognition, demography, economics, epidemiology, behavioral genetics and other behavioral research on aging; preliminary projects using secondary analysis that could lead to full-scale research projects; and rapid analyses of new databases and experimental modules to inform the design and content of future studies.

Science Digital Library (NSF) [2904]
Scope: The National Science Foundation invites applications for projects to advance work on the multi-agency Digital Libraries initiative, which aims to establish a national digital library that will constitute an online network of learning environments and resources for science, technology, engineering and mathematics education at all levels.

Deadline: March 9 for optional letters of intent; April 11 for applications.

(Continued on page 9)
Workshop on Developing a Research Agenda for New York's Participation in Great Lakes Restoration

March 18, 2005, 9:00-12:00
SUNY College of Environmental Science and Forestry, Syracuse, New York
Co-sponsored by
Great Lakes Research Consortium
Center for Environmental Information
New York Sea Grant
U.S. Congressman James Walsh

Background "The Great Lakes are a national treasure constituting the largest freshwater system in the world." These were the words of President George W. Bush in May 2004 when he signed an Executive Order recognizing the national importance of Great Lakes, and calling for the creation of an Interagency Task Force to coordinate restoration of the Great Lakes, and a Regional Collaboration of National Significance. The President's actions increased the profile and likelihood that a large scale Great lakes restoration effort will happen. Momentum has been building in recent years for a large scale restoration effort of the Great Lakes Basin ecosystem.

On the U.S. federal level, in 2000, the Great Lakes Commission began pushing for focused federal funding to the Great Lakes with its Great Lakes Program to Ensure Environmental and Economic Prosperity, and has since published annual editions. In 2002, the EPA's US Policy Committee introduced the Great Lakes Strategy, which pledged to work together to protect and restore the chemical, physical, and biological integrity of the Great Lakes Basin Ecosystem, and listed several ambitious key objectives for achieving these goals. In 2002-present, the Council of Great Lakes Governors began the Great Lakes Priorities Initiative, which drafted priorities toward the development of restoration strategies for the lakes. These target such issues as Great Lakes shoreline and economic development, fisheries and invasive species, water quality, pollution prevention, and ensuring the sustainable use of resources. These priorities have been widely adopted across the region as the framework for organizing Great Lakes restoration and protection planning.

In 2002, the Great Lakes Legacy Act was passed by Congress and signed by the President. This authorized funding of $270 million over five years for remediation of contaminated sediments in Great Lakes Areas of Concern. In July 2003, members of Congress introduce bills to fund Great Lakes Restoration. More than 120 members of Congress, along with the region's mayors and governors of the eight Great Lakes states, currently support Great Lakes Restoration bills (H.R. 2720 & S. 1398) that call for a $4 to $6 billion restoration plan.

In 2003-04, the Great Lakes Commission and Sea Grant sponsored a series of public meetings around the Basin to develop a list of priorities for Great Lakes restoration. These proceedings documents were shared with Great Lakes leadership and the entire community of stakeholders in the interest of promoting consensus and unity of purpose in restoration and protection initiatives.

At the New York state level:
In November 2000, Dr. Joseph Makarewicz of SUNY Brockport completed the Initiative report titled New York's North Coast - A Troubled Coastline (Lake Ontario Embayment Initiative). The report summarized the environmental problems associated with the embayments, harbors, ponds, creeks and rivers of each county bordering Lake Ontario and advocates the "creation of a more broad-based and adequately funded program targeted at improving water quality of the Lake Ontario embayments and tributaries of the North Coast of New York."

The Rochester-based, Center for Environmental Information, SUNY Brockport and others began the Lake Ontario Coastal Initiative in 2002. This sought funding to develop a strategic plan for remediation, restoration, protection and sustainable use of the Lake Ontario Coastal region. In 2004, Congressman James Walsh assisted the LOC1 with securing federal funding to develop a plan. In FY 2005, additional funding was granted for continued planning, research and remediation.

In April 2004, New York Sea Grant and the Great Lakes Commission held a Great Lakes Restoration Priorities Workshop in Rochester, New York to develop a shared restoration vision and to establish the principles, goals, objectives and strategic actions needed to achieve that vision. For a copy of the New York proceedings see http://www.glc.org/restwkshp/pdf/NYproceedings.pdf

The Workshop
This workshop will bring together participants to discuss the research necessary to support future restoration activities in New York's Great Lakes. Participants will review a draft outline of research needs, discuss changes, and propose future activities necessary to ensure that New York maintains a leadership role in any restoration efforts. The workshop this March is designed to build on the outcomes of the 2003 Great Lakes Commission/Sea Grant meeting in New York by laying out the research agenda that is necessary to support the restoration priorities already identified. It is our hope that New York will be prepared with solid restoration priorities, and an assessment of the research needed to efficiently and effectively implement large scale restoration in New York. This will enable New York to take a leadership role in the restoration process. The workshop will result in a proceedings document to be shared with managers, policymakers, and other stakeholders.

Registration
To register, please send the following information to jpmanno@mailbox.syr.edu by March 18, 2005.
Name
Affiliation
Address
City, State Zip
Email
Phone, Fax

I will send additional information about the workshop when it becomes available. Please visit the GLRC website at http://www.esf.edu/glrc for updates
--
Christine Crysler
Great Lakes Research Consortium
SUNY ESF, 1 Forestry Drive
24 Bray Hall
Syracuse, New York 13210
Phone: 315-470-6700
Fax: 315-470-6970
email: cjcrysle@mailbox.syr.edu
An Eye on Funding (Continued from page 7)

**Funds:** $9 million for 15 to 14 grants: three to four new awards of up to $3 million each for pathways projects for four years; three to five new awards up to $725,000 each in three services tracks (selections, workshops and other projects) for up to three years; and three to five research awards of up to $500,000 each for three years.

**Areas:** The initiative envisions a comprehensive cyber learning infrastructure. Ultimately, the digital library should meet the needs of students and teachers at all levels—pre-K to 12, undergraduate, graduate and lifelong learning. Funding tracks are: pathways projects, which provide stewardship for the content and services needed by major communities of learners; services projects, which develop services that support users, resource collection providers and core integration efforts and that enhance the impact, efficiency and value of the library; and targeted research projects, which explore specific topics that have immediate applicability to collections, services and other aspects of the library's development.

**Ethics Education Science (NSF) [2092]**

**Scope:** The ethics and science program accepts proposals for research and education projects to improve ethics education in all the science and engineering fields NSF supports.

**Deadline:** March 10

**Funds:** $1.5 million for five to 12 awards.

**Areas:** This year, proposals must focus on improving ethics education for graduate students and on ethical issues that arise in research or graduate research education, particularly in interdisciplinary or inter-institutional contexts, such as subject privacy in research.

**Tip:** Projects may involve diverse sets of participants, including faculty with disciplinary or cross-discipline expertise and graduate students, who should be project participants as well as recipients.

**Standards Research (DoC/NIST) [2094]**

**Scope:** The Commerce Department's National Institute of Standards and Technology solicits applications for small grants to support research across in multiple subject areas and seven science and technology laboratories.

**Deadline:** Sept. 30

(Proposals received from May 1 to Sept. 30 will be processed and considered for funding under this solicitation, but if selected, proposals may be funded in the following fiscal year).

**Funds:** Grants range from $5,000 to $300,000, depending upon the program, but most top out at $125,000 to $150,000 each.

**Areas:** Laboratory research areas are:
- Electronics and electrical engineering, with topics from semiconductors to law enforcement standards.
- Manufacturing engineering, with technical areas from nanometer-scale metrology in the precision engineering division to healthcare informatics in the manufacturing systems integration division.
- Chemical science and technology, with a focus on measurement science in areas from automotive and aerospace to microelectronics.
- Physics, with topics from electron and optical physics to time and frequency.
- Materials science and engineering, with interests from ceramics to spectroscopy.
- Building research, with topics in materials and construction research and building environment.

Fire research grants provide funding for innovative investigator-initiated projects within the broad categories of: analysis and prediction; fire metrology; firefighting technology; materials and products and integrated performance assessment.

**Scientific Cooperation Research (USDA) [2094]**

**Scope:** The Agriculture Department's Foreign Agriculture Service seeks applications for short-term and long-term collaborative research and exchanges that address concerns for food security, environmental stewardship and agricultural trade.

**Deadline:** March 15

**Funds:** Up to $15,000 a year each from one to three years, for a maximum $45,000. Funds may be used on direct research-related costs for international travel, including maintenance, per diem and health insurance for foreign scientists in the United States and supplies, equipment and support for research associates.

**Areas:** For 2005, the program will target proposals aimed at:
- Meeting the food and nutritional needs of the most vulnerable populations in rural and urban areas of the United States and collaborating countries.
- Trade-related problems that hinder market access, particularly those that involve biotechnology, food safety and sanitary and phytosanitary measures.
- Enhancing the economic growth of small and limited resource farmers, ranchers and rural communities.
- Understanding the relationships among nutrition, agriculture, food security and health, including diseases such as HIV/AIDS and diabetes.
- Promoting food safety.

**Drug Data (NIDA/NIAAA) [2094]**

**Scope:** The National Institute on Drug Abuse and the National Institute on Alcohol Abuse and Alcoholism solicit proposals for secondary analysis of alcohol and drug use related survey data.

**Deadline:** Feb. 21 for letters of intent; March 21 for applications.

**Funds:** $1.8 million for four to six grants, including research project...
grants and small grants.

Areas: Grantees will analyze data from the National Epidemiologic Survey on Alcohol and Related Conditions or the National Survey of Parents and Youth. The purpose is to study the epidemiology and etiology of alcohol and drug abuse, as well as utilization of drug and alcohol abuse services and prevention interventions.

Peace Research (USIP) [2905]
Scope: The U.S. Institute of Peace invites applications for research, education and training in selected priorities and undesignated investigator initiated proposals consistent with the organization’s mission.
Deadline: March 1
Funds: Most institute grants cover one or two years and can be up to $25,000, although somewhat larger grants also are awarded. The individual grant size is based on the proposed budget and on negotiations with successful applicants.
Areas: This year’s topics for the solicited grant program are: promoting sustainable peace in societies emerging from violent conflict and peacemaking in the Muslim world. Under the unsolicited program, applicants may address a variety of topics related to international peace and conflict resolution.

Under both programs, the institute funds projects that: develop curricula and texts for high school through postgraduate study and conduct teacher training institutes, workshops and seminars; carry out policy oriented research on the causes of war and conflict and their prevention, containment, transformation and termination; undertake public information efforts, such as video, radio, speakers’ and community forum projects and debates; and expand information and access to information on international peace and conflict resolution by strengthening library resources, developing databases and indexes and fostering resource sharing.

Freedom CAR, Vehicle Technologies (DoE) [2905]
Scope: The Energy Department invites applications for university research and graduate automotive technology education center of excellence to advance research on automotive energy efficiency and train a future workforce of automotive engineering professionals knowledgeable about advanced automotive technologies.
Deadline: March 10
Funds: Up to $7.5 million in first-year funding for 16 awards across five interest areas.

Technologies in Housing (NSF/HUD) [2905]
Scope: The National Science Foundation and the Housing and Urban Development Department solicit partnership proposals to support cutting-edge research in five interdisciplinary areas designated by experts as being in the forefront of housing technology.
Deadline: April 19
Funds: $3 million for 10 awards of $300,000 each for up to three years.
Eligibility: U.S. academic institutions in support of individual investigators or as the lead institution in a partnership.
NSF is interested in proposals involving academic institutions and partnerships of academic institutions, research organizations, industrial enterprises, state and local governments and/or other participants relevant to the housing and homebuilding industries.
Areas: Areas are construction management and production; structural design and materials; building enclosure, energy and indoor air quality; community and economic impacts of housing technology; and systems interactions and whole house approaches.

Human and Social Dynamics (NSF) [2905]
Scope: The National Science Foundation invites applications under the second annual competition for grants to support innovative research on the dynamics of human action and development, as well as knowledge about organizational, cultural and societal adaptation and change.
Deadline: Feb. 9 for exploratory research proposals and human and social dynamics (HSD) research community development proposals; Feb. 23 for full research proposals.
Funds: $17.5 million, including $1.7 million for 15 to 20 awards of up to $125,000 each for one to two years for exploratory research and HSD research community development efforts; and the remainder for 30 to 35 full research projects of up to $750,000 total each over three years.
Areas: Funding is limited to three broad emphasis areas: agents of change, a category that involves multidisciplinary team research on the dynamics of large-scale transformational changes; dynamics of human behavior, which encompasses multidisciplinary examinations of change in human behavior over time; and decision making, risk and uncertainty, which relates to conscious human and societal attempts to identify, characterize, evaluate and manage situations that call for choices and decisions, and involve changing perceptions of uncertainty and risk.
Tip: Officials expect keen competition. The social science initiative debuted last year with a blockbuster announcement that drew an unexpected 700-plus applications for an available $21.7 million. The initial 1,000 letters of intent to apply for funds, which preceded the full proposals, prompted the agency to institute a staggered application submission schedule to avoid overloading NSF’s electronic grant system.

Social, Demographic Studies of Race (NICHHD) [2905]
Scope: The National Institute of Child Health and Human Development funds studies that will improve understanding of race and ethnicity in social science and demographic research.
Deadline: June 1 and Oct. 1
Funds: Funding is via the research pro-
An Eye on Funding (continued from page 10)

ject grant, which typically provides up to $250,000 a year in direct cost for five years.
Areas: The program seeks research that will clarify what is reflected as "race" and "ethnicity" in social science and clarify the complex social, cultural and psychological processes that underlie racial and ethnic identification and its meaning in social science analysis.

Examples of research categories are: causes and consequences of changing racial and ethnic composition of U.S. society, including effects on population health and health disparities; issues related to the development, maintenance and consequences of racial and ethnic identity; and development and validation of methods of conceptualizing, measuring and modeling race and ethnicity.

SCIENCE

Environmental Management Science (DoE) [2904]
Scope: The Energy Department seeks applications for innovative, fundamental research to guide remediation and environmental management of contaminated DoE sites resulting from the nation's nuclear weapons program.
Deadline: Feb. 10 for pre-applications; April 26 for full proposals.
Funds: $4 million in fiscal 2006 for awards of up to $600,000 a year each for three years for collaborative projects and $400,000 a year each for single investigator projects.
Areas: DoE seeks proposals to investigate the influence of coupled biological, chemical and hydrologic processes on subsurface contaminants at DoE sites, as well as proposals for new tools to measure subsurface properties important to understanding coupling and scaling phenomena.
Tip: DoE welcomes applications from investigators early in their careers or new to DoE's environmental remediation research program. Applicants should contact the program manager to discuss their ideas.

Biomass Research (USDA/DoE) [2904]
Scope: The Agriculture Department and the Energy Department seek applications for research, development and demonstration of biomass-based products and bioenergy, biofuels, biopower and related processes.
Deadline: Feb. 15 for pre-applications; April 15 for full proposals.
Funds: $15 million for awards of $200,000 to $2 million total each. The project period is up to three years. The required non-federal match is 20 percent of total allowable costs.
Areas: Applicants must respond to one of four technical topic areas: feedstock development and production; biobased products development and environmental and economic performance; integrated resource management and biomass use; or incentive analysis for commercialization.
Tip: This solicitation is more focused and defined than in previous years, emphasizing development and demonstration projects that lead to greater commercialization. Future solicitations under this initiative may emphasize similar or differing aspects of biomass research, development, and demonstration, the agencies said.

Environmental Behavior and Decisions (EPA) [2903]
Scope: The National Science Foundation seeks proposals to develop novel instrumentation that can incorporate information about the consequences of global change on human health to aid state and local public health efforts.
Deadline: March 29.
Funds: $2.7 million for six awards of up to $150,000 a year each for two or three years.
Areas: Proposals should address: how public health decision processes can be affected by the inclusion of climate information and the potential for decision makers to formulate changes based on the information; development and modification of public health decision support tools that include climate change and health impact information and their application; and public health adaptations to climate change and their effectiveness.

Biology Research Instruments (NSF) [2903]
Scope: The Environmental Protection Agency solicits applications under a new initiative that focuses on the development of decision support systems that can incorporate information about the consequences of global change on human health to aid state and local public health efforts.
Deadline: Oct. 5
Funds: $2.5 million for 15 awards of $300,000 to $750,000 each total over two to three years.
Areas: The program supports: concept and proof of concept of novel instruments for biological research; instruments that provide new capabilities for (Continued on page 14)
The program provides a quick-funding mechanism for research to permit access to a disaster area in the immediate aftermath of an event.

Investigators who would wait typically nine months after proposal submission to obtain an award can be funded and on the ground in weeks. In fact, NIMH advises researchers to submit proposals within about six weeks of the identified disaster for abbreviated review.

Applicants submit 10-page project descriptions for small grants of up to $50,000 a year for two years or larger developmental grants up to $125,000 a year for up to two years.

Unlike the SGER grants, NIMH-funded research is on mission, broadly addressing traumatic stress and psychological effects. For example, the program supports epidemiological research on exposures and reactions; differential risk of negative effects among different population subgroups, and research on developing and communicating strategies to facilitate realistic individual risk assessment and protective strategies.

Under both programs, the first step for prospective applicants is to discuss research ideas with program officials to determine the feasibility and appropriateness of the project.

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projects have included such things as small mammal surveys, non-invasive subsurface geological exploration techniques, identification and flight season determination of butterfly populations, turtle population surveys, breeding bird surveys, and collection renovation.

ELIGIBILITY:
Applicants need not be affiliated with RCFS or SUNY Oswego. However, the work must be done at Rice Creek Field Station.

FUNDING:
Most awards will be between $500 and $1,000. Additional funds in support of living expenses for visiting scholars may be available at the discretion of the RCA Board of Directors. Grant funds may be used for stipends, travel, supplies, equipment, publication costs or secretarial support. No indirect costs will be considered. RCA encourages grant applicants to seek matching funds from appropriate sources.

SUBMISSION OF PROPOSALS:
A original and 5 copies of each proposal should be submitted by mail to: Rice Creek Associates Small Grant Review Committee Rice Creek Field Station SUNY Oswego Oswego, NY13126 Proposals are due by March 15, 2005. Awards will be announced on or about April 15, 2005.

CONTENTS OF PROPOSALS:
Proposals should consist of a cover page, text, and vitae of Principal Investigators. The text should include the following sections:

- Background and Need: Indicate the rationale for the Project. Include a review of literature, if relevant, to show your clear understanding of the subject matter and grasp of related research.
- Objectives: Clearly and succinctly state what will be accomplished.
- Method: Indicate the steps and techniques that will be followed, the experimental research design or project management plans and the expected data sources.
- Schedule: Indicate the date work will begin and the schedule for its completion.
- Personnel: Describe the role of study participants.
- Significance: Detail how the project will further the educational and scientific mission of Rice Creek Field Station.

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Ouellette Secures NSF Funding for Major Research Instrumentation
(Continued from page 4)

and other oligopeptides, allelopathy, 
gammahydroxybutyrate detection, anti-
biotics, small mammal allozymes, 
microorganism fingerprinting, model 
peptide characterization, and DNA-
nanotube complexes.

College, University Role Urged in 
Local Drug Efforts
(Continued from page 7)

university that engages with a community 
coalition, Beversdorf pointed out. Repre-
sentatives from higher education institu-
tions have the opportunity to exercise their 
civic duty and make a difference in their 
own back yard.

Federal grant programs increasingly re-
quire community-based participation, she 
observed, whether the activity is community-based participatory research of the 
sort funded by the Centers for Disease 
Control and Prevention and the National 
Institutes of Health, or other intervention 
or social service activities. Working with 
community drug coalitions gives academic 
collaborators real-world lessons 
in participatory ventures, said Beversdorf. 
"Institutions bring new energy and 
new ideas" to coalitions. "The commu-
nity brings real life experiences."

Contact: Consult www.cadca.org.

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detection, measurement and/or observation of biological phenomena or significantly extend current sensitivity, accuracy or resolution; novel or substantially improved instruments for study of biological systems at any level of organization, from molecules to ecosystems; improved software to operate instruments or expand instrument capabilities; and new or improved devices for remote sensing of environmental and other information relevant to biological research.

Mathematical, Statistical Foundations (NSF) [2903]
Scope: The National Science Foundation invites proposals for projects that advance the mathematical or statistical underpinnings of research in the social, behavioral or economic sciences.
Deadline: April 5
Funds: $3 million for up to 15 grants of $150,000 to $650,000 each.
Areas: Research projects must focus on problems at the intersection of the social, behavioral or economic sciences and the mathematical or statistical sciences. Investigators should make clear the direct relationships they anticipate across the different scientific domains, NSF advises. The agency also will consider proposals for workshops or symposia that foster the interaction of social, behavioral and/or economic scientists and mathematicians.

Scientific Computing for Math Science (NSF) [2903]
Scope: The National Science Foundation solicits proposals to purchase computing equipment and hire professional systems administrators or programmers to support research in the mathematical sciences.
Deadline: April 4
Funds: $1 million for eight to 12 awards. Costs of the equipment should be at least $50,000. Total requests may range up to $200,000.
Eligibility: U.S. education institutions with ongoing research programs in mathematics, applied mathematics or statistics.
Areas: Awards support specific research projects rather than general computing capacity. NSF is especially interested in projects that involve symbolic and algebraic computations, numerical computations and simulations and graphical representations in support of the research.

Undergraduate Research Centers (NSF) [2903]
Scope: The National Science Foundation's chemistry division invites proposals for new models and partnerships aimed at expanding the scope of undergraduate research and building the research capacity and infrastructure of participating institutions.
Deadline: March 7 for letters of intent; April 4 for applications.
Funds: $3.5 million for five awards of up to $500,000 a year each for five years. An additional $200,000 is available in the first year for equipment.
Areas: The program aims to expand the reach of undergraduate research to include first- and second year college students. Research should be in the chemical sciences or in interdisciplinary areas supported by the chemical sciences and should provide exposure to research of contemporary scientific interest and the use of modern research tools and methods.

Keck (W. M.) Foundation [01692]
Scope: Grants are provided for studies and programs in the areas of science, engineering and medical research. Eligible institutions in these fields are accredited four-year colleges and universities, medical schools, and major, independent research institutions located in the United States. The sponsor also funds programs designed to promote innovative instruction and research at leading liberal arts colleges across the nation.
Deadline: May 15
Areas: The sponsor makes grants designed to provide far-reaching benefits for humanity in the fields of science, engineering, and medical research. The sponsor is particularly interested in significant programs and projects that focus on emerging areas of research at the forefront of science, engineering and medicine, or have the potential to lead to breakthrough technologies in these areas. The sponsor also wishes to help ensure that today’s youth receive a high-quality, well rounded education; therefore, it supports a program designed to promote innovative instruction and research at leading liberal arts colleges across the nation.

Informal Science Education (NSF) [2904]
Scope: The National Science Foundation encourages applications for projects to develop and implement informal learning experiences designed to increase interest in and understanding of science, technology, engineering and mathematics by individuals of all ages and backgrounds.
Deadline: March 18 and Sept. 16 for required preliminary proposals; June 13 and Dec. 5 for applications (project grants only). Requests for planning grants and conference grants may be submitted any time.
Funds: $25 million for 50 grants of $100,000 to $3 million each for projects of one to five years. Up to two projects of as much as $5 million each may be considered for major efforts, for example, multi institutional projects or a new television series. Grants range up to $75,000 each for two years for planning and from $50,000 to $250,000 each for two years for conferences.
Areas: Examples of activities are: permanent and traveling exhibitions; films and television and radio series; Web-based projects; citizen science programs; and youth and community programs. NSF is interested in projects that demonstrate strategic impact, innovation and collaboration.
An Eye on Funding (continued from page 14)

University/Nonprofit Science (USN) [2905]

Scope: The Navy invites concept papers to identify capabilities of university and nonprofit institutions to perform basic, applied and advanced research projects in a wide variety of scientific and engineering disciplines.

Deadline: Sept. 30.

Funds: The Navy is not soliciting specific research proposals but is canvassing the academic and nonprofit research communities for possible funding initiatives and projects.

Areas: Possible areas include: studies and tests for improved understanding of ocean and ionospheric effects and impacts on system performance; development of technologies that allow space-based or conventional aircraft sensors to detect man-made structures beneath dense jungle foliage; and establishment of a long-term program to foster interest in science and mathematics among adolescents and improve science and math training for teachers.

Research on S&T Surveys, Stats (NSF) [2905]

Scope: The National Science Foundation invites applications for research to develop or improve survey methodologies of science and technology activities and resources.

Deadline: April 12 and Jan. 15, annually thereafter.

Funds: $400,000 for three to four awards.

Areas: The program provides support for efforts to create and improve indicators of science and technology activities and strengthen methods to analyze and disseminate science and technology statistical data. To that end, grants fund survey research and analytical studies.

Advanced Technological Education (NSF) [2902]

Scope: The National Science Foundation invites applications under its premier two-year college activity, the Advanced Technology Education program, which focuses on the education of technicians for high-tech fields critical for economic growth.


Funds: $39 million for 60 grants in FY '06 and FY '07.

Eligibility: Two-year colleges must have a leadership role in all projects, which involve partnerships with two-year colleges, four-year colleges and universities, secondary schools, business, industry and government. Projects should respond to employers' needs for prepared technicians with adaptable skills.

Areas: The program supports two major tracks: ATE projects and ATE centers. Projects include activities with national or regional focus that address: program improvement to increase the relevance of technician education to modern practices and the number of students prepared for the high-performance workplace; professional development of secondary school teachers and college faculty; curriculum and education materials development for national dissemination; teacher preparation; research on technician education; and institutional reform of technician education.

Tip: Changes this year are: elimination of the articulation partnerships track; with most previous activities incorporated into the projects track; inclusion of technical experiences for students and laboratory development in program improvement; teacher preparation refocused on technology education for K-12 preservice teachers; elimination of large-scale teacher preparation and an increase in the maximum funding for teacher preparation under projects; support for regional centers in any technological field supported by the program and other areas of high relevance to technician education across fields; increased support to $150,000 from $100,000 for equipment.

University-Industry Math Research (NSF) [2841]

Scope: The National Science Foundation seeks applications for university-industry research fellowships and assistantships to enable mathematical scientists to conduct research in industry environments and industry scientists to return to academia.

Deadline: June 2

Funds: $1 million for 10 awards in 2005. Awards vary in size according to the type of support:

- University-industry postdoctoral fellowships, which permit recent doctoral recipients to split their time between academia and industry;
- University-industry senior research fellowships, which enable mid-career and senior scientists to take sabbaticals in industry or pursue collaborations;
- Industry-based graduate research assistantships, which permit graduate students to move between university and industrial settings and work under the joint supervision of faculty and industry scientists; and
- Industry-based graduate cooperative fellowships, which permit graduate students to participate fulltime in industrial research as interns for one year.
The Office of Research and Sponsored Programs (ORSP) is responsible for the development, coordination and financial management of all contracts and grants at the College. All externally sponsored projects for research, scholarly / creative activity, curriculum development or services utilizing SUNY Oswego facilities and / or personnel must be processed and administered through ORSP.

A project is externally sponsored if a grant or contract is awarded to the College in support of a specific activity. For example, external sponsors consist of federal and state agencies, private foundations, business and industrial enterprises, local and state governments and professional organizations. Sponsored projects include, but are not limited to, research, conferences, curriculum development, workshops, meetings, special events and scholarly and creative activities.

**ORSP Pre-Award Services Available**

1) Maintain a faculty/staff profile of research and special projects interests  
2) Match faculty / staff projects with potential sponsors  
3) Notify faculty/staff of funding opportunities appropriate to their interests  
4) Maintain a current resource collection of funding sources  
5) Obtain guidelines and application forms  
6) Assist with interpret guidelines and preparation of agency forms  
7) Provide technical and editorial critique of proposals  
8) Discuss budget categories and provide assistance with the development of an appropriate inclusive budget  
9) Assist with the development of competitive proposals  
10) Submit assurance reports and policies to maintain an approved institutional animal care and use committee and human subject committee in compliance with state and federal procedures  
11) Review of final application  
12) Obtain administrative approvals  
13) Submit proposals by mail or electronically per sponsor specifications  
14) Negotiate grant awards and contracts  
15) Establish a Research Foundation project account

ORSP Pre-Award works in conjunction with other campus resources such as Penfield Library, Instructional Computing Center, Learning Resources, Center for Excellence in Learning and Teaching to provide necessary services to project activity and appropriate reimbursements. It is essential that Project Directors discuss their anticipated needs during budget development prior to proposal submission to ensure adequate funds are allocated for these campus services.

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