The SUNY Oswego GRANTSCENE is an online publication dedicated to SUNY Oswego faculty and staff who are interested in research and scholarly activity.

The GRANTSCENE will be published monthly from September to April of each academic year.

Upcoming funding opportunities can be found in the “An Eye on Funding” section along with updates to current funding programs, news and trends. Funding opportunities will be listed under the headings of: Arts; Education; Health & Wellness; Humanities; Interdisciplinary; and Sciences. If you are interested in any of the funding opportunities, send Linda Cook an e-mail with the program name and reference number and she will send you more information.

The “Campus News” section is where you will find information about campus grants for faculty and students, award ceremonies, funded projects, and workshops on campus.

Information on the back page explains the relationship between the Office of Research & Sponsored Programs (ORSP) and SUNY Oswego. There is also a list of services available to faculty and staff who are searching for funding and/or preparing to submit a proposal. Office hours and contact information can also be found on this page.

If there is a particular project that you are interested in reading about or if you have had your own externally funded project and would like to share the experience, contact Linda Cook.

Welcome New Faculty

Welcome SUNY Oswego new faculty to the fall 2005 semester.

Those of you interested in pursuing research interests or scholarly activities should contact Linda Cook in the Office of Research & Sponsored Programs (ORSP). Linda needs to know what your interests are so that she can send you appropriate funding information.

Maria Nakamura, Associate Director and Linda Cook, Administrative Assistant of ORSP will give a presentation on searching for funding and applying for grants on October 18, 2005 from 4:00—5:00 p.m. in 123 Penfield.

Let Linda know if you are unable to attend and would like to receive a handout.

Inside this issue:

<table>
<thead>
<tr>
<th>Inside this issue:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye on Funding</td>
<td>2</td>
</tr>
<tr>
<td>About Grants.gov</td>
<td>4</td>
</tr>
<tr>
<td>Campus News—22 years of Energy Institute</td>
<td>5</td>
</tr>
<tr>
<td>ORSP Pre-Award Services Available</td>
<td>8</td>
</tr>
<tr>
<td>ORSP Contact Information</td>
<td>8</td>
</tr>
</tbody>
</table>
An Eye on Funding—Current Funding Opportunities

**ARTS**

The Grammy Foundation

*Deadline: 10/01/05*

*Scope:* Archiving & Preservation Projects. The GRAMMY Foundation Grant Program awards grants to organizations and individuals to support efforts that advance the archiving and preservation of the music and recorded sound heritage of the Americas.

*Funds:* Grant amounts generally range from $10,000 to $40,000. Grant requests may span a time period from twelve to twenty-four months but should not overlap with previously awarded grants.

Weill (Kurt) Foundation for Music, College/University Performance and Production Grants [67348]

*Deadline: 11/01/05*

*Scope:* The sponsor will make two types of grants: stage works and concert works.

*Funds:* For stage works grants, the sponsor will award up to ten grants, of a maximum $5,000 each, to colleges and universities in support of general production expenses for performances of Kurt Weill's stage works. For concert works, assistance is available in grants of up to $3,000 to cover expenses including, but not limited to, increased rehearsal time, guest artists fees and promotion.

*Objective(s):* Stage Works -- the sponsor supports general production expenses for performances of Kurt Weill's stage works (including "The Threepenny Opera"). All works must be presented in fully staged versions using Weill's original orchestrations. Concert works -- assistance for performances of concert works is available to cover expenses including, but not limited to, increased rehearsal time, guest artist fees, and promotion.

Weill (Kurt) Foundation for Music, Publication Assistance Grant [67344]

*Deadline: 11/01/05*

*Scope:* Funding may be requested to assist in expenses related to preparing manuscripts for publication in a recognized scholarly medium.

*Objective(s):* Funding may be requested to assist in expenses related to preparing manuscripts for publication in a recognized scholarly medium. Funds may be requested for activities including, but not limited to, editing, indexing, design and reproduction fees.

Meeting the Composer, Inc. - Creative Connections [70702]

*Deadline: 10/01/05*

*Scope:* The sponsor aspires to strengthen connections between living composers, performing musicians, presenters, communities and audiences by providing support for composers to actively engage in performances of their music.

*Funds:* The sponsor will fund up to ten composers per organization per fiscal year. Applicants may request from $250 to $5,000.

*Objective(s):* This program provides financial assistance to enable composers to undertake substantial projects and build strong, long-term relationships with presenters, as well as to participate in a single performance of their music. Composer activities should include participating in the artistic realization of performances (rehearsing, coaching, conducting, performing etc.) as well as in activities that enlighten and engage audiences about new work.

American Society of Composers, Authors and Publishers [83452]

*Deadline: 10/01/05*

*Scope:* The sponsor offers support for 501 (c)(3) organizations engaging in music education and talent development programs that are consistent with the mission and objectives of the sponsor and which support music education programs for aspiring songwriters and composers.

*Funds:* The average grant is approximately $5,000.

ASCAP Foundation [84377]

*Deadline: 10/01/05*

*Scope:* The sponsor provides funding to tax-exempt music organizations to encourage the development of musicians through music education and talent development programs.

*Funds:* The average grant is approximately $5,000.

*Objective(s):* The sponsor is dedicated to supporting American music creators and encouraging their development through music education and talent development programs. The sponsor is pleased to consider proposals in music education and talent development programs that are consistent with their mission and objectives and which support music education programs for aspiring songwriters and composers.

Nakamichi Foundation [17499]

*Deadline(s): 10/15/05, 03/15/06*

*Scope:* Support is provided to encourage the propagation and appreciation of baroque and early classical music.

*Objective(s):* The sponsor offers support to encourage the propagation and appreciation of baroque and early classical music. 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.

Tiffany & Co. Foundation [GAN 08]

*Deadline: November and May annually*

*Scope:* The Tiffany and Co. Foundation provides grants to nonprofits committed to arts education and preservation.

*Areas:* Promoting America's Premier Cultural Institutions - The foundation supports cultural institutions in New York City that promote the arts in the City and internationally, including performances, exhibitions, seminars and educational programs which engage, inspire and inform the public. Decorative Arts - The foundation supports undergraduate and graduate educational institutions and programs dedicated to the study of jewelry and silver design. In addi-
An Eye on Funding (continued)

tion, the foundation supports academic scholarship of American jewelry at the graduate and post-graduate level and bringing this study to the international level. The foundation also makes grants to exhibitions which focus on jewelry and silver.

Puffin Foundation [84895]
Deadline: 12/30/05
Scope: The sponsor provides funding to encourage emerging artists in the fields of art, music, dance, photography, theater, and literature whose works, due to their genre and/or social philosophy might have difficulty being aired.

Funds: Average grants range from $1,000 to $2,500.
Objective(s): Funding is provided to encourage emerging artists in the fields of art, music, dance, photography, theater, and literature whose works, due to their genre and/or social philosophy might have difficulty being aired.

EDUCATION

Institute of Education Sciences/Department of Education - Special Education Teacher Quality – Reading and Writing Research Grants Program [83501]
Deadline: 11/17/05
Scope: The purpose of the Special Education Teacher Quality Reading and Writing research program is to identify effective strategies for improving the performance of teachers of students with disabilities or at high risk for developing disabilities in ways that lead to improvements in students’ reading and writing skills, and to develop practical assessments of teacher knowledge and validate these assessments against measures of students’ reading and writing performance. Through this program, the Institute will support research on the development and evaluation of teacher preparation programs, teacher professional development programs, and assessments of teacher knowledge.

Funds: Typical awards for projects for Goal One are $100,000 to $250,000 (total cost) per year for 1 or 2 years. Larger budgets will be considered if a compelling case can be made for such support. The size of the award depends on the scope of the project. Awards for Goal Four projects may go up to a limit of $6,000,000 (total cost) over a 5 year period. Typical awards are less. The size of the award depends on the scope of the project. Typical awards under Goal Five will be $150,000 to $400,000 (total cost) per year for up to 4 years. Larger budgets will be considered if a compelling case can be made for such support. The size of award depends on the scope of the project.

Objective(s): For the FY 2006 Special Education Teacher Quality – Read/Write competition, applicants must submit under either Goal One or Goal Two or Goal Three or Goal Four or Goal Five. One incorporates efforts to identify conditions that are associated with and are potential determinants of student achievement in reading and writing for students with disabilities and teacher quality. The understanding developed through Goal One awards is expected to be relevant to the design and implementation of future interventions. The typical methodology for Goal One will be the analysis of existing databases, including state longitudinal databases, using statistical approaches that allow for testing models of the relationships among variables in ways that strengthen hypotheses about paths of influence. For the FY 2006 Special Education Teacher – Read/Write competition, Goal One is limited to teacher preparation and professional development for teaching reading or writing to students with disabilities from kindergarten through high school. Applicants proposing to develop new interventions should apply under Goal Two. Under Goal Three, the Institute will accept proposals to conduct efficacy or replication trials of interventions. Goal Four targets evaluations of the effectiveness of interventions implemented at scale. The second through fourth goals can be seen as a progression from development (Goal Two) to efficacy (Goal Three), to effectiveness at scale (Goal Four). Goals Two, Three, and Four are limited to teaching reading/pre-reading or writing/pre-writing to students with disabilities from kindergarten through high school. Goal Five is to develop and validate assessments of teacher subject matter and pedagogical knowledge and skills for teacher education students in teacher preparation programs who will be teaching students with disabilities, and new or current teachers of students with disabilities at any level from pre-kindergarten through high school. Goal Five covers assessments relevant to core academic content areas (e.g., reading, writing, social studies, history), except mathematics and science.

Institute of Education Sciences/Department of Education - Mathematics and Science Education Research Grants [72210]
Deadline: A letter indicating a potential applicant’s intent to submit an application is optional, but encouraged, for each application. The letter of intent must be submitted electronically by September 12, 2005. The deadline for proposals is November 3, 2005.
Scope: The Institute intends for the Mathematics and Science Education research program to develop and evaluate mathematics and science interventions (e.g., curricula, instructional approaches) and assessments. The long-term outcome of this program will be an array of tools and strategies (e.g., curricula, programs) that have been demonstrated to be effective for improving mathematics and science learning and achievement.

Funds: Typical awards for projects under goal one are $150,000 to $250,000 (total cost) per year for one to two years.
Objective(s): The Institute intends for the research program on Mathematics and Science Education (Math/Science) to fulfill five goals: (1) identifying curriculum and instructional practices that are potentially effective for improving mathematics or science outcomes, as well as mediators and moderators of the effects of these practices; (2) developing new interventions and approaches to mathematics and science education that will eventually result in improving mathematics and science achievement; (3) establishing the efficacy of existing interventions and approaches to mathematics and science education with small efficacy or replication trials; (4) providing evidence on the effectiveness of mathematics and science interventions implemented at scale; and (5) developing and validating assessments for diagnosing sources of mathematic difficulties. The long-term outcome of this program will be an array of tools and strategies (e.g., curricula, programs) that have been demonstrated to be effective for
What is Grants.gov?

Grants.gov simplifies the grants management process and creates a centralized, online process to find, and apply for over 900 grant programs from the 26 Federal grant-making agencies. Grants.gov streamlines the process of awarding over $360 billion annually to state and local governments, academia, not-for-profits and other organizations. This program is one of the 24 Federal cross-agency E-Government initiatives focused on improving access to services via the Internet. The vision for Grants.gov is to be a simple, unified source to electronically find, apply, and manage grant opportunities.

Why was Grants.gov developed?

Grants.gov was developed as part of the President’s Management Agenda and related E-Government Strategy, which charged Federal grant-making agencies with developing a single electronic system to find and apply for Federal grant opportunities.

What is an application package?

An application package is an electronic file that contains all the necessary forms (e.g., SF-424, project narrative, project budget, etc.) that comprise a complete grant application for a specific funding opportunity. The application package also contains critical information about the opportunity including the issuing agency, the opportunity and CFDA numbers, the open/close dates and the agency point of contact. Each funding opportunity will have its own application package. The application package, however, will not contain the application instructions. The instructions will be provided on the same page, but in a separate file as the application package.

Grants.gov also provides the ability to download a grant application package and then view and complete it offline — giving you the flexibility to complete grant applications when and where you want. It also enables you to easily route it through your organization for review, or completion of various components, just like any other email attachment.

Dr. Casey Raymond of the Chemistry Department was the first to submit a (continued on page 15)

An Eye on Funding (Continued from page 3)

improving mathematics and science learning and achievement.

Advanced Technologies Education Projects (NSF) [06857]

Deadline: 10/18/05

Scope: This program supports curriculum development; professional development of college faculty and secondary school teachers; career pathways to two-year colleges from secondary schools and from two-year colleges to four-year institutions; and other activities. A secondary goal is articulation between two-year and four-year programs for K-12 prospective teachers that focus on technological education. Additionally, the program invites proposals focusing on applied research relating to technician education.

Funds: Grants range from $25,000 to $300,000 per year for up to three years.

Objective(s): Projects focus on one of the six activities described below:

Program Improvement: Proposed activities should enhance a curriculum in multiple ways, producing a coherent sequence of classes, laboratories, and work-based educational experiences that revitalize the learning environment, course content, and experience of instruction for students preparing to be science and engineering technicians. The resulting program should constitute a model that will be disseminated broadly. The improved program should lead students to an appropriate associate degree or specific occupational competency or certification embedded in an associate degree program, provide business and industry and public sector agencies with a larger pool of skilled technicians, and induce an increased proportion of students who enroll to complete programs.

Professional Development for Educators: the sponsor supports projects that provide current secondary school teachers and college faculty with opportunities for continued professional growth in areas that directly impact technician education. Projects should be designed to enhance the educators’ disciplinary capabilities, teaching skills (including skills in using information technology and other educational technologies to enhance instruction), vitality, and understanding of current technologies and practices. Activities typically include workshops, intensive seminars, industrial internships, or a combination of these.

Curriculum and Educational Materials Development (for National Dissemination): Proposed activities should affect the learning environment, course content, and experience of instruction for students specializing in agricultural technology, biotechnology, manufacturing, construction, or specific occupational competency or certification.

Anticipates funding a few Large Scale Materials Development (LSMD) projects that could exceed the financial limits noted above. These projects may target course sequences, or major changes in teaching strategy.

Teacher Preparation: These projects help to prepare a future K-12 teaching workforce that understands the technological workplace and can prepare students to use a variety of approaches to solving real world technology related problems using design processes and practices. Classes and programs for future teachers may focus on agricultural technology, biotechnology, energy and power technologies, information and communications, transportation, manufacturing, construction, or other technology fields supported by the program. A project may be designed to prepare either future middle and high school technology teachers that also have strong backgrounds in mathematics and science or fu-
The State University of New York College at Oswego has received support from Entergy Corporation for the twenty-second (22nd) Institute in Energy Education for Secondary School Science and Technology Education Teachers which was held for 10 days during July of 2005.

The 1973 oil embargo and resulting consumer prices provided the founding professors with the initial concept of providing energy education for future teachers. Financial support for the initial graduate/undergraduate course, Residential Construction and Efficient Residential Fuel Utilization, was provided by the U.S. Department of Energy. Subsequent support was provided by the National Science Foundation. The third and fourth offerings were supported jointly by Niagara Mohawk Power Corporation and the New York Power Authority (NYPA) when the title was changed to the Institute in Energy Education and content revised to include all energy sources and their respective financial and environmental impacts. At this time, the institute also became a four-credit summer graduate offering for science and Technology Education teachers from New York State. NYPA alone funded the fifth through fifteenth years. Entergy Corporation has sponsored the past seven institutes.

Under this excellent, long-supported program, a total of 513 teachers have been versed in energy technology and exposed to new ideas, teaching methodologies and strategies applicable to science and technology education. Because of this Institute, the teacher/participants have become much more aware of the importance of energy in the economy of New York State, the nation and world. They also better understand how energy use impacts our society and environment, as well as being informed of the current dynamic changes occurring in the electric utility industry. Over the last 19 years, the participating teachers have had an estimated impact on over 590,000 students. This number continues to grow by approximately 30,000 per year even when factoring in retirements and employment changes!

The institute has made additional significant impacts in the area of energy. It received the first-ever Governor’s Award for Excellence in Energy Education in the College/University category. SUNY-Oswego now offers both required and elective courses related to energy technology and the environment. Articles about the institute in part-(Continued on page 7)

For information and application materials for campus grants, visit our web site <http://www.oswego.edu/administration/ORSP/index.html> and look under Campus Grants & Awards.

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>DEADLINE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate &amp; Undergraduate Scholarly &amp; Creative Activity Grants</td>
<td>November 2005</td>
</tr>
<tr>
<td>President’s Award for Scholarly &amp; Creativity and Research</td>
<td>January 2006</td>
</tr>
<tr>
<td>Provost’s Award for Scholarly &amp; Creativity and Research</td>
<td>January 2006</td>
</tr>
<tr>
<td>Faculty Enhancement Scholarly &amp; Creative Activity Grants</td>
<td>February 2006</td>
</tr>
<tr>
<td>Faculty Enhancement SCAC New Faculty Incentive Grants</td>
<td>February 2006</td>
</tr>
<tr>
<td>Faculty Enhancement Course Development Grants</td>
<td>February 2006</td>
</tr>
<tr>
<td>Faculty Enhancement Program Innovation Grants</td>
<td>February 2006</td>
</tr>
<tr>
<td>Student/Faculty Collaborative Challenge Grants</td>
<td>February 2006</td>
</tr>
</tbody>
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Research on Technician Education: The program is particularly interested in research studies in technician education on such topics as: recruiting and retaining students; increasing diversity in technician education programs; providing definitive career pathways from secondary schools through community colleges (and universities) to successful employment as science and engineering technicians; assessing the dimensions of student learning; applying adult learning theory in the continuing education of technicians; and outcomes of technician education in terms of roles, responsibilities, and rewards for science and engineering technicians who complete the respective levels of preparation and who are employed in such specialties as biotechnology, manufacturing, or information technology.

Institution-Level Reform of Technician Education: The ATE program offers grants for planning efforts leading to Institution Level Reform of Technician Education (ILRTE). These planning grants enable institutions to reformulate, streamline, and update the content and pedagogy of technician degree programs at their institutions to meet the emerging educational needs of employers. Focusing on technician programs, ILRTE proposals should be designed to transform the organizational structure, policies and procedures, and curricula; strengthen faculty; and enhance connections with employers to better position the college to meet the needs of its constituencies.

Multifaceted projects that cut across these activity categories are especially encouraged.

HEALTH & WELLNESS

School-Based Interventions to Prevent Obesity (NICHD) [80626]


**Scope:** The sponsor offers support for the formation of partnerships between academic institutions and school systems in order to develop and implement controlled, school-based intervention strategies designed to reduce the prevalence of obesity in childhood.

**Funds:** This PA will use the NIH Research Project Grant (R01), Small Grant (R03) and Exploratory/Developmental Grant (R21) award mechanisms. The small grant (R03) research mechanism should be used for support of pilot and/or feasibility studies for concepts that are sound and justifiable, but not sufficiently developed for the R01 mechanism. The R21 mechanism is intended to encourage new exploratory and developmental research projects and/or exploration of novel hypotheses and strategies.

**Objective(s):** This initiative encourages evaluative comparisons of different intervention strategies, as well as the use of methods to detect synergistic interactions between different types of interventions. Possible areas within the school system that might be targeted for controlled interventions include the content of school curricula, teaching methodologies, staff education, physical education programs, the school environment, school food service programs, food service worker education, content and availability of vending machine snacks in school, school administrators, and parents.

Examples of research projects that would be responsive to this solicitation include, but are not limited to: curriculum changes designed to improve knowledge of healthy food choices and active lifestyles, and behavioral modification programs designed to attain healthy diets and active lifestyles; Specifically, this initiative encourages academic institutions and school systems to work together to develop and implement behavioral interventions designed to increase children's physical activity and/or decrease the amount of time that children devote to sedentary activities, such as watching television or playing computer games. Such interventions might involve curriculum changes or curriculum changes coupled with periods of increased physical activity, either before, during or after school. Interventions also might be designed to induce and maintain long-term behavioral change regarding eating habits, food choices, exercise habits, and lifestyle; evaluations of various controlled dietary interventions would also be responsive to this PA, for example, changes in school food service programs for school breakfast and/or school lunch. Intervention programs designed for parents who prepare their children's lunches would also be responsive.

HUMANITIES

Publishing Historically Significant Records Relating to the History of the United States [83035]

**Deadline:** 10/01/05

**Scope:** The Commission supports projects that publish historical documents important for the comprehension and appreciation of the history of the United States. The projects cover a broad sweep—from politics and the military to business history, reform efforts, and the arts. Produced under modern, rigorous documentary editing standards, Commission-sponsored documentary projects make important materials from all periods of American history more accessible and understandable today and for the future.

**Funds:** The estimated total program funding is $5,000,000. The sponsor anticipates making thirty-five awards.

Challenge Grants (NEH-NFAH) [00607]

**Deadline:** 11/01/05

**Scope:** The sponsor provides support to help institutions and organizations secure long-term improvements in and support for their humanities programs and resources. These challenge grants require applicants to match federal funding.

**Funds:** The requested grant amount should be appropriate to the humanities needs and the fund-raising capacity of the institution. The federal portions of challenge grants have ranged in recent years from $30,000 to $700,000. Although up to $1 million may be requested, final awards larger than $500,000 are unusual. The federal portion of a challenge grant is offered over three years, but the period allowed for raising matching funds is 56 months. Federal funds are released as fund-raising proceeds, according to a formula that allows donations from as early as five months prior to the application deadline and can include donations from as late as one year beyond the last-released federal funds. The first year's allocation will be released as matched one-to-one. Allocations for the second and third years will be released as matched one-to-one but only after the remaining prior-year's match is completed.

**Objective(s):** Challenge grants help institutions and organizations secure long-term improvements in and support for their humanities programs and resources. Awards are made to museums, public libraries, colleges, research institu-
Eye on Funding (Continued from page 6)

tions, historical societies and historic sites, public television and radio stations, universities, scholarly associations, state humanities councils, and other nonprofit entities. Because of the matching requirements, these awards also strengthen the humanities by encouraging nonprofit sources of support. Challenge grants are offered only when sponsor funds will help institutions carry out long-term plans and enhance their financial stability. Both federal and nonfederal funds must provide long-term benefits to the humanities. Challenge grant funds should not merely replace funds already being expended on the humanities, but instead should reflect careful strategic planning to improve and strengthen the institution's activities in and commitment to the humanities.

Teaching Curriculum Development (NEH) [2922]
Deadline: 10/03/05
Scope: The National Endowment for the Humanities seeks applications to support projects to improve specific areas of humanities education and serve as national models of excellence.
Funds: Grants range from $1,000 to $200,000.
Objective(s): NEH is especially interested in projects that offer solutions to problems frequently encountered by teachers.

Physical Anthropology (NSF) [61319]
Deadline: 12/03/05
Scope: Support is provided to universities and colleges, nonprofit, non-academic organizations, for-profit organizations, state and local governments, and unaffiliated individuals for research in physical anthropology.
Objective(s): The sponsor supports basic research in areas related to human evolution and contemporary human biological variation. Research areas supported by the program include, but are not limited to, human genetic variation, human adaptation, human osteology and bone biology, human and nonhuman primate paleontology, functional anatomy, and primate socioecology. Grants supported in these areas are united by an underlying evolutionary framework, and often a consideration of adaptation as a cen-
An Eye on Funding (Continued from page 7)

tral theoretical theme. Many proposals also have a biocultural orientation.

INTERDISCIPLINARY

The Grammy Foundation
Deadline: 10/01/05
Scope: Research Projects—The GRAMMY Foundation Grant Program awards grants to organizations and individuals to support efforts that advance the research and/or broad reaching implementations of original research projects related to the impact of music study on early childhood development, the human development and the medical and occupational well being of music professionals.

Funds: Grant amounts generally range from $10,000 to $40,000. Grant requests may span a time period from twelve to twenty-four months but should not overlap with previously awarded grants.

Walker (Alex C.) Foundation [82050]
Deadline: 10/01/05
Scope: The Foundation awards grants to: (1) investigate the causes of economic imbalances; (2) investigate causes tending to destroy or impair the free-market system; (3) explore and develop free-market solutions and (4) disseminate information on these issues. The Foundation funds projects dealing with the research and development of innovative ideas, education of market principles, the application of ideas developed through seed grants and research, and ecological economics with a free-market orientation.

Objective(s): The Foundation focuses on free markets primarily from the perspective of applying market solutions to economic and ecological problems. Compared to regulatory or political approaches, markets generally deliver goods and services of higher quality and lower cost. The trustees do not subscribe to the view that markets provide optimal or socially acceptable solutions to all problems. Projects are sometimes supported that combine market approaches with regulations within a politically acceptable framework.

French American Cultural Exchange, Tournées [82428]
Deadline: 10/01/05
Scope: The sponsor provides grants to university departments, film clubs and student organizations who want to show five contemporary French films during the academic year, in order to encourage schools to begin their own self-sustaining French film festivals.

Funds: Support is provided for a maximum of five consecutive years. Tournées awards approximately $75,000 in grants annually. Grants are approximately $360 per film.

Youth Service America, Good Neighbor Service-Learning Grant [84967]
Deadline: 10/17/05
Scope: The sponsor offers grants of $1,000 each to young people (ages five to twenty-five), teachers, and school-based service-learning coordinators to implement service-learning projects on National Youth Service Day 2006, April 21-23.

Funds: The sponsor intends to award 100 grants of $1,000 each. Funds must be used to pay for expenses directly related to a specific NYSD service project. Allowable expenses include: supplies; transportation; food; publication/dissemination of materials; recognition or celebration activities, etc.

Objective(s): This grant is intended to support projects that are showcased on one or more of the days that compose National Youth Service Day (NYSD), April 21-23, 2006. The project may begin before or extend beyond National Youth Service Day, but needs to contain a significant service component on NYSD. Projects should be planned by a youth in cooperation with teachers or service-learning coordinators. Service-learning is a teaching method that combines meaningful service with curriculum or program-based learning. Schools and organizations use service-learning as a tool to help youth build stronger academic skills, foster civic responsibility, and develop leadership skills.

Research Grants - National Academic Advising Association [66444]
Deadline: Preliminary drafts of proposals may be submitted by February 1 and November 1 for feedback. Final proposals must be submitted by May 16 and February 15.

Scope: Support is provided for proposals contributing to the field of advising-related research. Practicing professionals (administrators and faculty) as well as graduate students seeking support for dissertation research are eligible.

Funds: Up to $5,000 may be awarded to support a single proposal. Multiple-year awards are also granted.

Objective(s): The sponsor is interested in proposals which document the outcomes of different advising models. In addition, the sponsor encourages submissions concerned with developing, conducting, and reporting of: empirical studies; evaluation or analysis of advising practices, models or systems; development, evaluation or analysis of advising-based theory; studies of the history, evolution and future of the field; empirical research related to the advising process (inter- and intrapersonal dimensions); and qualitative research on advising practices.

Jackson (Henry M.), Foundation [59173]
Deadline: 12/01/05
Scope: The sponsor provides grants which
Behavioral Therapies Development Program (NIDA) [72593]

**Deadlines:** 10/01/05, 02/01/06

**Scope:** The sponsor provides support for the development of behavioral treatments for drug and alcohol abuse and dependence.

**Objective(s):** This program reaffirms the sponsors’ commitment to major programs of research on behavioral therapies. The term “behavioral therapies” is used here in a broad sense and includes various forms of psychotherapy, behavior therapy, cognitive therapy, family therapy, couples and marital therapy, group therapy, skills training, counseling, and other rehabilitative therapies. Behavioral therapy research has been conceptualized, for the purposes of this initiative, to consist of three stages. Stage I, or early therapy development, involves research on the development, refinement, and pilot testing of behavioral interventions. Stage I includes research on the translation of basic behavioral, cognitive, and neuroscience research into novel behavioral therapies. Stage II involves the efficacy testing of therapies that show promise. Stage III is research aimed at determining if and how efficacious behavioral therapies may be transported to community settings, including primary care sites. Stage III includes research examining methods of training therapists and counselors to administer new behavioral therapies. The purpose of this program is to develop new innovative behavioral therapies or modify existing treatments to improve their effectiveness and devise ways to improve the engagement, retention, adherence, and outcome of alcoholism treatment across various populations of alcohol dependent and abuse subjects.

**Retirement Economics (NIA) [81741]**


**Scope:** This PA encompasses research on the work and retirement decisions that people make at older ages and the health and economic circumstances of individuals as they evolve before retirement, at the time that work transitions take place, and throughout retirement. It is about the complex interrelationships between work, economic circumstances, public policy, health, and other aspects of later life. This PA invites secondary data analysis and primary data collection. The following topics are examples of relevant research areas only. Applications are not limited to these areas: the determinants of retirement behavior; the variation in work patterns in later life; the evolution of health and economic circumstances of individuals through retirement and into later life; time use and life satisfaction before and during retirement; the implications of retirement trends; retirement expectations; international comparisons of retirement; and, the development of innovative retirement modeling techniques.

**Morton Salt [83636]**

**Deadline:** Open

**Scope:** The sponsor provides funding to non-profit, tax-exempt organizations in the areas of Education; Environment; Civic and Community; Health and Human Services; and Arts and Culture.

**Objective(s):** Grants are made in the following areas:

- **Education:** K-12th grade math education or business courses relating to: entrepreneurship, capitalism and/or marketing; mentoring programs linking education to workplace and career opportunities; after school programs for children and teens; programs and activities at times when school is not in session including after-school hours, weekends and/or summer break. Initiatives can span one or more of the giving categories of education, arts and culture, environment, civic and health and human services and include: youth development such as leadership training educational enrichment, particularly in the areas of math or business.
- **Environment:** After school programs that build environmental awareness; sustainable development programs that educate and promote development that meets the needs of the present society without compromising the ability of future generations to meet their own needs. Morton Salt seeks proposals within this focus area that will educate and inform youth and their families about: pollution prevention, environmental conservation, and eco-efficiencies.
- **Civic and Community:** Regional efforts that build local competitiveness and strengthen the economic and social base; programs that build relationships with key stakeholders in Morton Salt communities; programs that focus on volunteerism.
- **Health and Human Services:** Safety Awareness and implementation; national programs that can demonstrate that funding will support projects that directly benefit a Morton...
Salt community; food and nutrition focused programs.

**Arts and Culture:** after school programs.

**Economics of Prevention/Care (NIDA/ NIAAA) [2922]**

**Deadline:** 10/01/05, 02/01/06, 06/01/06

**Scope:** The National Institute on Drug Abuse and the National Institute on Alcohol Abuse and Alcoholism invite applications for social research on the economics of prevention and treatment services for drug and alcohol abuse.

**Funds:** There is no dollar setaside. Funding mechanisms are: the research project grant (R01), which provides varying amounts for up to four or five years; the small grant, which usually provides up to $50,000 a year each for two years; and the exploratory development grant (R21), which provides up to $275,000 each over a two-year project period, with no more than $200,000 provided in a single year.

**Objective(s):** Applicants may emphasize any of the following broad areas: financing, including health insurance and/or payment mechanisms; alternative delivery systems and managed care; cost-benefit, cost-effectiveness or cost-utility analyses; service costs and production; and methodological research.

**Goodman (Andrew) Foundation [79815]**

**Deadline:** 11/15/05

**Scope:** The sponsor's areas of interest include: civil and human rights; constituency organizing; cultural activism; economic justice; performing arts; youth activism.

**Funds:** Grants generally range from $100 to $1,000.

**Americana Foundation [83763]**

**Deadline:** 10/10/05, 01/10/06, 04/10/06

**Scope:** The sponsor focuses on two program areas of protection, preservation and education.

**Objective(s):** American Heritage--the sponsor supports projects and programs that educate and advocate for the preservation of this diverse American heritage and that preserve, conserve and present this material culture in a manner that will help all people discover, understand and appreciate this American heritage. The sponsor will support: programs and restoration projects that exhibit classic material artifacts and provide information on the common values of freedom for the individual, and the creative pioneer spirit which fostered the innovation and industriousness that built the nation; the production of publications, exhibits, electronic and film based media and symposia that contribute to a better understanding of Americana and American heritage; and the acquisition and preservation of high quality, class examples of American furniture and the decorative arts.

**Agriculture and Natural Resources--the sponsor will consider requests for projects containing one or more of the following: the maintenance of historical buildings and grounds at the Tollgate Farm and support for agricultural education programs conducted on this site; education and advocacy for the protection of agriculture, open spaces, and natural resources; basic education and information in regard to tools for managing growth and preventing sprawl through integrated planning and zoning; and partnerships of environmental and agricultural organizations with other stakeholder groups working to protect agriculture, open spaces and natural resources.

**Small Business Innovation Research (NSF) [2933]**

**Scope:** The National Science Foundation invites small business and small business-nonprofit partnership applications for short-term feasibility studies of technologies that hold promise for future commercialization.

**Deadline:** Dec. 8. NSF issued the announcement this month, but applicants may not submit proposals before Nov. 8.

**Funds:** $10 million for 125 phase I studies under the Small Business Innovation Research (SBIR) program; $2.5 million for 25 Small Business Technology Transfer (STTR) projects. Applicants may request up to $100,000 for six-month pilot studies under the three-phase programs. Successful phase I applicants may apply later for larger, longer-term follow-on development funding in the form of phase II fixed-priced grants of up to $500,000 for 24 months. The SBIR and STTR programs do not provide funding for phase III, a commercialization phase, which emphasizes bringing the developed concept to the marketplace.

**Eligibility:** For SBIR and STTR, for-profit U.S. small businesses that are 51-percent U. S.-owned by individuals and independently run and have 500 or fewer employees. Under SBIR, the small business must conduct at least two-thirds of the research. NSF encourages firms to take advantage of research expertise and facilities at colleges and universities. Up to 35 percent of nonprofit research effort is permitted under the program. For STTR firms must collaborate with a nonprofit partner that conducts at least 30 percent of the research.

**Areas:** Applications must be in the areas of biotechnology, chemical-based technologies and emerging opportunities.

**SCIENCES**

**Cottrell College Science Awards (Research Corp.) [01591]**

**Deadline:** 11/15/05

**Scope:** Support is provided for research in astronomy, chemistry, and physics at public and private, predominantly undergraduate colleges and universities. Faculty are challenged to explore new areas of science, to make new discoveries that contribute to their discipline and to initiate new research programs that can be sustained by other extramural funding sources as well as by institutional support. A key element in all such research programs is that they involve undergraduates in meaningful ways. It is also expected that these endeavors will spill over into teaching, thereby raising the quality of undergraduate education. The sponsor has strong interest in stimulating research at institutions where little or none has existed so long as the institutional environment is conducive to the activity.

**Funds:** Awards will be approved for one or two years. Awards average about $35,000 and range between $20,000 and $45,000 depending on the needs of the project. Types of expenses funded include: equipment and supplies (institutional cost sharing is expected for expensive equipment); student summer stipends of up to $3,500 each; faculty summer stipends of up to $7,500; travel costs; unusual expenses essential to the research; and the institutional portion of FICA and Medicare on stipends may be included in the budget. A proposal can be strengthened by an institution's contribution to the direct costs of the research, and such institutional contributions are expected.

**Objective(s):** Support is provided for research in astronomy, chemistry, and physics at public and private, predominantly undergraduate colleges and universities. Faculty are challenged to explore new areas of science, to make new discoveries that contribute to their discipline and to initiate new research programs that can be sustained by other extramural funding sources as well as by institutional support. A key element in all such research programs is that they in-
An Eye on Funding (Continued from page 10)

volve undergraduates in meaningful ways. It is also expected that these endeavors will spill over into teaching, thereby raising the quality of undergraduate education. The sponsor has strong interest in stimulating research at institutions where little or none has existed so long as the institutional environment is conducive to the activity.

Whitehall Foundation, Inc. [01018]
Deadline: 10/01/05
Scope: The sponsor will provide funding annually for scholarly research in the life sciences. The sponsor emphasizes the support of young scientists at the beginning of their careers and productive senior scientists who wish to move into new fields of interest. Consideration is given, however, to applicants of all ages.
Funds: Research grants normally range from $30,000 to $75,000 per year. Grants are for a period of up to three years, with the possibility of competitive renewal for an additional two years. Funds may be used for personnel-salary support for post-doctoral and graduate students, technicians and undergraduates in work study programs; permanent equipment, limited to $30,000; materials and supplies necessary to accomplish the project; travel if it is required for research purposes with foreign travel usually excluded; publication costs if directly related to the submission of papers on the project to recognized journals; and overhead limited to indirect expenses of no more than twenty-five percent of equipment and research supplies.
Objective(s): It is the sponsor’s policy to assist those dynamic areas of basic biological research that are not heavily supported by Federal agencies or other foundations with specialized missions. The sponsor is currently interested in basic research in neurobiology, defined as follows: invertebrate and vertebrate (excluding clinical) neurobiology, specifically investigations of neural mechanisms involved in sensory, motor, and other complex functions of the whole organism as these relate to behavior. The overall goal should be to better understand behavioral output or brain mechanisms of behavior.

Broadening Participation in Commuting (NSF) [82496]
Deadline: 12/07/05
Scope: The program aims to significantly increase the number of students who are U. S. citizens and permanent residents receiving post secondary degrees in the computer sciences. Initially, its emphasis will be on students from communities with longstanding underrepresentation in computing: women, persons with disabilities, and minorities. Included minorities are African Americans, Hispanics, American Indians, Alaska Natives, Native Hawaiians, and Pacific Islanders. The program seeks to engage the computing community in developing and implementing innovative methods to improve recruitment and retention of these students at the undergraduate and graduate levels.
Funding: Alliance awards can range from $200,000 to $1,000,000 per year for three years; average award size will be $200,000 the first year, increasing to $500,000 after that year. Demonstration Project award size will average $200,000 per year for two or three years. Supplements will be for a maximum of $200,000 for a one to two year project; average supplement award size will be $100,000.
Objective(s): There are three components to the program: Alliances; Demonstration Projects; and Supplements. Alliances—Broad Alliances of institutions and organizations will design and carry out comprehensive programs that address underrepresentation in the computing disciplines. Alliances will join academic institutions of higher learning with secondary schools, government, industry, professional societies, and other not-for-profit organizations. Together, the participants will develop and implement interventions that support students, create sustainable changes in culture and practices at the institutional, departmental, and organizational levels, and serve as models and repositories for effective practices to broaden participation. The emphasis will be on activities that have significant impact both in the quality of opportunities afforded to students and in the number of students potentially served. While the focus is on implementations, Alliances may include complementary research that informs the design of those implementations by increasing our understanding of longstanding underrepresentation. Demonstration Projects—These projects are smaller in scope and narrower in focus than Alliance projects. Typically they will be pilots of programs that, once fully developed, could be incorporated into the activities of an Alliance. Projects might, for example, focus on a specific Under-represented community, a specific point in the academic pipeline, or on a specific impediment to full participation in computing. Supplements—Supplements to existing CISE grants will be made in order to engage more members of the computing research community in significant BPC efforts. These supplements will increase target community participation in specific research areas.

Psychopharmacology of Widely Available Psychoactive Natural Products (NIDA) [79072]
Scope: The sponsors provide support for research grant applications that characterize the chemistry, psychopharmacology, and/or toxicology of acute and chronic exposure to psychoactive natural products, as well as the transition in the use of these products to licit or illicit drugs of abuse. Eligible applicants are domestic and foreign for-profit or non-profit organizations, public or private institutions, such as universities, colleges, hospitals, and laboratories, units of state and local governments, eligible agencies of the federal government, and faith-based or community-based organizations. The R01 and R03 award mechanisms will be used.
Objective(s): For the purposes of this program, psychoactive natural products are defined as fungus- or plant-derived products that are taken primarily for their effects on the central nervous system (e.g., stimulant, depressant, and/or hallucinogenic effects), rather than for treatment, medicinal or therapeutic effects. Listed below are examples of areas of research that are of programmatic interest. These examples are not meant to be all-inclusive: Classification/Mechanisms of Action; Chemistry, Distribution, and Metabolism; Behavioral, Physiological, and Toxicological Effects; and Prenatal or Developmental Effects.

Instrumentation for Materials Research - Major Instrumentation Projects (NSF) [76634]
Deadline: 10/17/2005
Scope: The sponsor provides support for the design and construction of major instruments, sited at major U.S. facilities, which cost more than $2 million per instrument. The program is also intended to support the development of detailed conceptual and engineering design for new tools for materials preparation or characterization at major
Funds: The sponsor anticipates making two to four CED awards per year, funded through continuing grants for up to three years, each for a total of up to about $2 million; and/or making one to two CNST award, funded through a five-year cooperative agreement, for about $2 million to $4 million per year.

Objective(s): This program is designed to: help address the urgent need to increase the number and quality of mid-scale instruments available to the entire US research community in materials and related areas of science and engineering; enable the training of the next generation of instrument scientists and engineers; enable existing instruments to be upgraded as new technology becomes available; and optimize the choice of instruments built by picking the most mature projects for construction.

The sponsor will consider two different types of proposals: a) Conceptual and Engineering Design (CED) proposals may request support to develop concepts for mid-scale projects to a level of maturity sufficient to determine whether such a project is ready for construction. Projects for which detailed engineering designs are needed are those with subsequent construction costs greater than about $5 million. b) Construction (CNST) proposals may request support for the construction of the instruments. The IMR-MIP Program will accept proposals from university researchers for the design and construction of mid-scale tools for materials research – including equipment for materials characterization or preparation, such as detectors, beam lines, new high-field magnets, or preparation environments – at user facilities supported by NSF or other sources, including the Department of Energy (DOE) and the National Institute of Standards and Technology (NIST).

Physical Anthropology (NSF) [61319] Deadline: 12/03/05
Scope: Support is provided to universities and colleges, non-profit, non-academic organizations, for-profit organizations, state and local governments, and unaffiliated individuals for research in physical anthropology.
Objective(s): The sponsor supports basic research in areas related to human evolution and contemporary human biological variation. Research areas supported by the program include, but are not limited to, human genetic variation, human adaptation, human osteology and bone biology, human and nonhuman primate paleontology, functional anatomy, and primate socioecology. Grants supported in these areas are united by an underlying evolutionary framework, and often a consideration of adaptation as a central theoretical theme. Many proposals also have a biocultural orientation.

Geophysics (NSF) [61287] Deadline: 12/01/05
Scope: This program supports basic research in the physics of the solid earth to explore its composition, structure, and processes. Laboratory, field, theoretical, and computational studies are supported. Topics include seismology, seismic wave propagation, and the nature and occurrence of earthquakes; the earth's magnetic, gravity, and electrical fields; the earth's thermal structure; and geodynamics. Supported research also includes geophysical studies of active deformation, including GPS-based geodesy, and studies of the properties and behavior of earth materials in support of geophysical observation and theory.

Tectonics (NSF) [61272] Deadline: 12/01/05
Scope: This program supports a broad range of field, laboratory, computational, and theoretical investigations aimed at understanding the evolution and deformation of continental lithosphere and how deformational processes have modified the lithosphere through geologic time.
Objective(s): This program supports a broad range of field, laboratory, computational, and theoretical investigations aimed at understanding the evolution and deformation of continental lithosphere and how deformational processes have modified the lithosphere through geologic time. Because understanding such large-scale phenomena commonly requires a variety of expertise and methods, this program supports integrated research involving the disciplines of structural geology, petrology, geochronology, sedimentology, stratigraphy, geomorphology, rock mechanics, paleomagnetics, geodesy, and other geophysical techniques. Proposals to elucidate the processes that act on the lithosphere at various times-scales, either at depth or the surface, are encouraged.

Geotechnical and GeoHazards Systems (NSF) [08322] Deadline: 10/1/2005. Proposals will be accepted during a window extending from one month before the target date of December 1, 2004 and one month before March 1st and October 1st of each year beginning in 2005.
Scope: Support is provided for engineering research related to two program elements: Geomechanics and Geotechnical Systems (GGS) and Geoenvironmental Engineering and GeoHazards Mitigation.
Objective(s): The Geotechnical and GeoHazards Systems (GHS) program seeks to advance the fundamental engineering and related knowledge for geostuctures (foundations, slopes, excavations, soil and rock improvement technologies, and reinforcement systems); geohazards mitigation; constitutive modeling and verification; remediation and containment of geoenvironmental contamination; transferability of laboratory results to field scale; and non-destructive and in situ evaluation. Support is given for research that will increase geotechnical and geohazard knowledge necessary to mitigate the impacts of natural and technological hazards on both the constructed and the natural environment. A broad spectrum of research is supported, including the use of data from laboratory and field experiments to verify design procedures and methodologies, simulation of phenomena, and collection of data from catastrophic events, including rapid-response reconnaissance inspections. The following two elements of GHS are supported by the sponsor: Geomechanics and Geotechnical Systems and Geoenvironmental Engineering and GeoHazards Mitigation.

The research portfolio for the Geomechanics and Geotechnical Systems (GGS) program element includes projects on geomechanics, geotechnical engineering, problem soils, weak rocks, rock mechanics and rock engineering, and mining engineering. Support is given for research that will increase geotechnical knowledge for foundations, slopes, excavations and other geostuctures, including soil and rock improvement technologies and reinforcement systems; constitutive modeling and verification in geomechanics; transferability of laboratory results to field scale; and non-destructive, remote and in situ evaluation of soil and rock prop-
The research portfolio for the Geoenvironmental Engineering and GeoHazards Mitigation (GEH) program element includes projects on geoenvironmental engineering, including physical, chemical, thermal and biological processes that affect the properties of geologic materials; contaminant transport and hydraulic properties of geologic materials involved in surface and subsurface flow; and construction for remediation and containment of geoenvironmental contamination. The GEH program also supports research in geological engineering and engineering geology, geotechnical earthquake engineering and strong ground motions, piping (particle erosion, transport, and deposition), scouring, tsunamis (both earthquake and non-earthquake generated), landslides and debris flows, forest fires, droughts and floods.

**Continental Dynamics (NSF) [07295]**
**Deadline: 11/15/2005**
**Scope:** The sponsor considers proposals for multidisciplinary research that focus on an improved understanding of the processes governing the origin, structure, composition, and dynamical evolution of the continents and continental building blocks.
**Funds:** Anticipated funding is $10,250,000 for new awards. The estimated number of awards is twenty to thirty standard or continuing grants or cooperative agreements per year. The estimated program budget, number of awards and average size/duration are subject to the availability of funds.
**Objective(s):** The sponsor supports proposals for multidisciplinary research that will result in a better understanding of the processes that govern the origin, structure, composition, and dynamical evolution of the continents and continental building blocks. This program is particularly oriented toward projects whose scope and complexity require a cooperative or multi-institutional approach and multiyear planning and execution. The intent of the program is to fund relatively large projects that do not fit easily within other EAR programs and that have broad support of major sections of the Earth science community. Research projects will normally be characterized by one of the following criteria: be interdisciplinary, requiring coordination of efforts in geophysics, geology, and geochemistry; be critically dependent on the ability to mobilize high technology tools for acquisition of data in the field, for study of materials in the laboratory, and for modeling of systems on the computer; include three-dimensional study of the subsurface by geophysical means, direct measurement of plate motions, detailed monitoring of earthquakes and of deformation near plate boundaries, and instrumentation and sampling of the subsurface through drilling; and often involve increased coordination and collaboration among scientists from universities and other government agencies as well as from industry.

**Instrument Development for Biological Research (NSF) [05653]**
**Deadline: 10/05/05**
**Scope:** Support is provided for the development of novel or of substantially improved instrumentation likely to have a significant impact on the study of biological systems at any level.
**Funds:** Funding is available beginning by the April following submission. Typical awards are in the range of $300,000 to $750,000 total costs over twenty-four to thirty-six months, not including the cost of any equipment. Estimated program budget, number of awards and average award size-duration are subject to the availability of funds.
**Objective(s):** Support is provided for the development of concept and proof of concept for an entirely novel instrument for biological research; development of new instruments that provide new capabilities for detection, measurement, or observation of biological phenomena, or significantly extend currently achievable sensitivity or resolution; novel or significantly improved instruments for study of biological systems at all levels of organization from the molecules to ecosystems; improved or novel software for the operation of instruments, or software that effectively improves instrument sensitivity, accuracy, resolution or speed; and new or improved devices for remote sensing of environmental and other information relevant to biological research, including novel software needed to network, operate, and collect data from such sensing devices.

**Advanced Scientific Research Grants - Eppley Foundation for Research, Inc. [02325]**
**Deadlines: 11/1/2005, 2/1/2006**
**Scope:** The sponsor supports postdoctoral research in the physical and biological sciences.

**Funds:** Grant amounts range from several thousand dollars to $25,000; the average grant award is $15,000. Grants are usually for a one-year period.

**Objective(s):** The sponsor will not consider an applicant whose Ph.D. or M.D. has not yet been awarded. Grants proposals from foreign countries are considered only when such applicants are associated with a U.S. institution which will administer the grant on their behalf. Grants are not awarded to foreign applicants directly.

**Whitehall Foundation, Inc. – Research Grants [01018]**
**Deadlines: 10/1/2005. The January 15, April 15, and October 1 deadlines refer to mandatory letters of intent. The corresponding deadlines for invited applications are June 1, September 1, and February 15.**
**Scope:** The sponsor will provide funding for scholarly research in the life sciences. The sponsor emphasizes the support of young scientists at the beginning of their careers and productive senior scientists who wish to move into new fields of interest. Consideration is given, however, to applicants of all ages.
**Funding:** Research grants normally range from $30,000 to $75,000 per year. Grants are for a period of up to three years, with the possibility of competitive renewal for an additional two years. Funds may be used for personnel- salary support for post-doctoral and graduate students, technicians and undergraduates in work study programs; permanent equipment, limited to $30,000; materials and supplies necessary to accomplish the project; travel if it is required for research purposes with foreign travel usually excluded; publication costs if directly related to the submission of papers on the project to recognized journals; and overhead limited to indirect expenses of no more than twenty-five percent of equipment and research supplies.

**Objective(s):** It is the sponsor's policy to assist those dynamic areas of basic biological research that are not heavily supported by Federal agencies or other foundations with specialized missions. The sponsor is currently interested in basic research in neurobiology, defined as follows: invertebrate and vertebrate (excluding clinical) neurobiology, specifically investigations of neural mechanisms involved in sensory, motor, and other complex functions of the whole organism as these relate to behavior. The overall goal should be to better understand behavioral output or brain mechanisms of...
An Eye on Funding (Continued from page 13)

behavior.

**Project AWARE Foundation [69244]**

**Deadline:** 11/06/05

**Scope:** The sponsor supports projects that have a direct benefit to the aquatic environment such as: public education (formal and informal); grass roots conservation and enhancement projects; environmentally focused research that leads to conservation measures; public awareness initiatives; environmental assessment and monitoring projects; and volunteer-supported community activism.

**Funds:** The sponsor provides two types of grants. Micro grants provide up to U.S. $1,000. Macro grants provide up to U.S. $10,000.

**Objective(s):** The sponsor provides two types of grants:
- Micro Grant Program--Provides funding for localized grass roots efforts, including but not limited to, beach and underwater clean-ups, mooring buoy programs, research projects, local education and public awareness programs.
- Macro Grant Program--Provides funding for large-scale regional, national or international efforts, including but not limited to, broad-based education and public awareness programs.

**Condensed Matter and Materials Theory Program (NSF) [83927]**

**Deadline:** 11/04/05

**Scope:** The sponsor supports theoretical and complementary computational research in the topical areas represented in DMR programs, including condensed matter physics, polymers, solid-state chemistry, metals, electronic materials, and ceramics.

**Objective(s):** The program supports fundamental research that advances conceptual, analytical, and computational techniques for materials research. A broad spectrum of research is supported using electronic structure methods, many-body theory, statistical mechanics, and Monte Carlo and molecular dynamics simulations, along with other techniques, many involving advanced scientific computing. Emphasis is on approaches that begin at the smallest appropriate length scale, such as electronic, atomic, molecular, nano-, micro-, and mesoscale, required to yield fundamental insight into material properties, processes, and behavior and to reveal new materials phenomena. Areas of recent interest include strongly correlated electron systems; low-dimensional systems; nonequilibrium phenomena, including pattern formation, microstructural evolution, and fracture; high-temperature superconductivity; nanostructured materials and mesoscale phenomena; quantum coherence and its control; and soft condensed matter, including systems of biological interest.

**Sociology (NSF) [25922]**

**Deadline:** 10/15/05

**Scope:** Support is provided to universities and colleges, nonprofit, non-academic organizations, for-profit organizations, state and local governments, and unaffiliated individuals for research in sociology.

**Objective(s):** The sponsor supports research on problems of human social organization, demography, and processes of individual and institutional change. The Program encourages theoretically focused empirical investigations aimed at improving the explanation of fundamental social processes. Included is research on organizations and organizational behavior, population dynamics, social movements, social groups, labor force participation, stratification and mobility, family, social networks, socialization, gender roles, and the sociology of science and technology.

**Biotechnology Research Training Program (NIH) [80016]**

**Deadline:** 01/10/06

**Scope:** The sponsor offers support for pre-doctoral research training programs in biotechnology. These university-based programs emphasize the application of biotechnology to research problems of biomedical relevance and produce investigators with the facility and orientation to combine basic and applied research.

**Funds:** The grant may provide up to five years of support, although the duration varies and is typically two years. Biotechnology research training grant funds are intended to support: stipends; partial coverage of tuition, fees, and health insurance; and modest sums for travel to scientific meetings, equipment, and supplies.

**Objective(s):** The purpose of this program is to produce broadly-trained investigators who have the facility and orientation to combine basic and applied research. The training supported by these grants provides pre-doctoral students substantial technical and intellectual skills in fields of research which centrally utilize biotechnology (molecular biology, biochemical engineering and bioprocessing, tissue engineering, biomaterials, metabolic engineering, biochemistry, separation technology, drug delivery, nanobiotechnology, etc.). At the heart of this training is the in-depth dissertation research and course work of a Ph.D. program, but the trainees are also expected to acquire significant exposure to the concepts and experimental approaches of some related research areas. Thus, the training is interdisciplinary and usually interdepartmental.

**Small Research Grant Program (NIH) [74077]**

**Deadline:** 10/01/05, 02/01/06

**Scope:** Participating institutions from the National Institutes of Health provide support for small research projects that can be carried out in a short period of time with limited resources. Eligible applicants are domestic and foreign for-profit or non-profit organizations, public or private institutions, such as universities, colleges, hospitals, and laboratories, units of state and local governments, eligible agencies of the federal government, and faith-based or community-based organizations. The R03 award mechanism will be used.

**Funds:** Applicants will use the NIH Small Research Grant (R03) award mechanism. A project period of up to two years and a budget for direct costs of up to $50,000 per year may be requested.

**Objective(s):** Examples of the types of projects that ICs support with the R03 include the following: pilot or feasibility studies, secondary analysis of existing data, small, self-contained research projects, development of research methodology, and development of new research technology.

**Microbial Observatories (NSF) [2931]**

**Scope:** The National Science Foundation seeks proposals to develop sites, or microbial observatories, in different habitats to study and understand microbial diversity over time, as well as for smaller studies that explore novel microorganisms, their interactions and processes.


**Funds:** $4.5 million for 10 awards. Awards for observatories range from $500,000 to $2 million total each for up to four years, with the possibility of a one year no-cost extension. Grants for microbial studies range up to $500,000 total each for four years.

**Areas:** The program funds activities that explore advances in molecular biology, genomics and bioinformatics and cultivation technologies to explore undetected microorganisms and characterize novel bio-
chemical, metabolic, physiological, genomic and other properties and processes in the microbial world. Observatories projects should: include a four- or five year exploration of a particular site or habitat for previously undescribed microbes and, where necessary, develop methods to sample, quantify, monitor, culture and experimentally manipulate microbes and consortia; establish or participate in an existing Internet-accessible knowledge network to disseminate information resulting from the project; and include other educational and outreach activities, such as formal or informal training in microbial biology and activities that will include underrepresented groups in microbial research and education.

Plant Genome (NSF) [2932]
Scope: The National Science Foundation invites applications to build on major advances under the long-term National Plant Genome Initiative and broaden participation in the program.
Deadline: Nov 1.
Funds: $35 million for 30 awards.
Areas: The program will support three kinds of activities in fiscal 2006.
- Genome-enabled plant research that tackles major unanswered questions on a genome-wide scale. Projects should be developed on a whole genome, organelle or whole network scale. NSF puts a premium on imaginative proposals that select experimental systems best suited to the research focus and take advantage of available genomics tools.
- Translational research to transfer findings from model systems to plants of economic importance. Proposals should capitalize on past work—for example, on the spinach-related Arabidopsis and rice—focusing on problems and traits of economic importance that combine the strengths of the chosen model with the importance of the work in the target plant.
- Tools and resources for plant genome research to support development of novel technologies and analysis to enable discoveries in plant genomics. NSF encourages investigators to develop novel approaches focused on a specific problem. The program favors work on new or novel tools that are likely to contribute broadly to the advancement of plant genomics.
Tip: NSF encourages broad participation.

“Research tools and resources developed over the past eight years should enable any institution to take part in plant genome research,” says NSF.

U.S German Chemistry Partnerships (NSF) [2933]
Scope: NSF is inviting applications for cooperative research projects in chemistry that establish new partnerships between U.S. and German principal investigators.
Funds: There are no separate funds for the projects, which will compete with unsolicited proposals received by the NSF and its German counterpart.
Eligibility: U.S. academic institutions and German academic institutions. Proposals must come from investigators who have not previously collaborated.

Radiation Belt Storm Investigations (NASA) [2933]
Scope: The National Aeronautics and Space Administration seeks applications to conduct space science studies in concert with the radiation belt storm probes mission, part of the Living-with-a-Star geospace program.
Deadline: Sept. 20 for notices of intent; Nov. 22 for applications.
Funds: The solicitation will detail funding.
Areas: The program will fund research to increase understanding of how populations of relativistic electrons and ions in space are formed or changed in response to variable inputs of energy from the sun. Of special interest are the controlling mechanisms of particle and field variations responsible for energetic particle acceleration, transport and loss processes. Proposed investigations must provide identical pairs of individual instruments or identical pairs of suites of instruments.

We downloaded the instructions and file specific to our program solicitation and began learning the new system. I quickly realized a possible advantage over FastLane, one file contained all the information and could be worked with offline. A second advantage is that it allows PIs and Sponsored Programs Office to exchange this single file in the process of preparing the proposal, although care must be taken to maintain a consistent filename and the most current version of the file.

Linda and I were able to exchange the file; while I added proposal sections, she added the campus and budget information. We did encounter a couple of stumbling points along the way. One was the sometimes cumbersome form screens, particularly the multi-page forms (always look for a next button at the top of the page). A second problem I encountered is that some mail programs (Eudora) append a numeral to the name of an attachment that duplicates the name of a previous attachment, therefore destroying consistency in the file name.

Overall, I believe that the system does offer advantages over NSF’s FastLane system. The largest advantage is the uniformity for all federal funding.
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.

**ORSP Contact Information**

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Email</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thomas Darvill</td>
<td>Interim Director</td>
<td><a href="mailto:Darvill@oswego.edu">Darvill@oswego.edu</a></td>
<td>(315)312-3457</td>
</tr>
<tr>
<td>Maria Nakamura</td>
<td>Associate Director</td>
<td><a href="mailto:Nakamura@oswego.edu">Nakamura@oswego.edu</a></td>
<td>(315)312-2884</td>
</tr>
<tr>
<td>Linda Cook</td>
<td>Administrative Assistant</td>
<td><a href="mailto:Lcook@oswego.edu">Lcook@oswego.edu</a></td>
<td>(315)312-2561</td>
</tr>
<tr>
<td>Michele Frazier</td>
<td>Staff Associate</td>
<td><a href="mailto:Mfrazier@oswego.edu">Mfrazier@oswego.edu</a></td>
<td>(315)312-2886</td>
</tr>
<tr>
<td>Lorie Smith</td>
<td>Secretary 1</td>
<td><a href="mailto:Lsmith7@oswego.edu">Lsmith7@oswego.edu</a></td>
<td>(315)312-2888</td>
</tr>
</tbody>
</table>