A recently published study by Dr. Andrew Smiler of SUNY Oswego's psychology department has drawn attention because it confounds decades of pop culture stereotypes of teenage boys.

Published in the February issue of the Journal of Adolescence, Smiler's "I Wanted to Get to Know Her Better: Adolescent Boys' Dating Motives, Masculinity Ideology and Sexual Behavior" found that the top reasons for boys wanting to date revolved around relational and emotional, not sexual, reasons.

The study of 105 racially and economically diverse 10th-grade boys did not surprise Smiler but appears to run counter to conventional belief about the motives of teenagers, he said.

When it came to reasons for dating, boys ranked "I liked the person" first, "Really attracted to the person" second, "Wanted to get to know the person" third. "This really speaks against the stereotype we have of boys as sex-driven," Smiler noted.

When rating reasons for having intercourse, "Wanted to know what it was like" and "I felt desire" tied for first, but barely in front of "Because I liked/loved the person" and "My partner wanted to." (In both questions, participants could endorse more than one reason.) "There's a lot of relational stuff going on there," Smiler noted.

A New York Times reporter, Tara Parker-Pope, saw the study, wrote a blog item on it on Feb. 15, and the story took off from there.

"Her blog had more than 50 comments by the middle of that day and more than 170 comments by Feb. 21," Smiler said. "It was among the Times' 20 most-e-mailed stories, and it's very unusual for an article that is just online to get that kind of reaction."


Parker-Pope's piece was analyzed by many other outlets ranging from the Baltimore Sun's BaltAmour blog to Salon.com, and Smiler was quickly contacted by radio stations in Pittsburgh and Montreal.

While the idea of boys wanting to lose their virginity has become an American pop culture plot staple from the 1982 movie "Porky's" to the recent "Superbad,"

(Continued on page 3)
What Are Your Objectives, and How to Write Them Effectively
Tuesday, April 1 from 12:45 to 2:00

We understand it’s not always possible for you to have time to attend these workshops. In order to keep everyone informed we will post the power point presentation on the ORSP website. If there is a specific topic you would like covered in a workshop, contact Jack Gelfand to discuss your idea.

Gelfand@oswego.edu
Or call x5631

White Papers & Elevator Talks
Tuesday, May 6 from 12:45 to 2:00

Campus News — Only two workshops left this semester

Campus Grants Timeline

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.

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Popular Study (Continued from page 1)

that this response rated very low seems to indicate this is more fantasy than fact, Smiler said.

The study found peer pressure had little influence as well. The need to not be the only single one or to fit in with friends were the least endorsed reasons for dating and sex, respectively.

Other questions about drug use, depression and other behaviors matched national data found elsewhere. "If they match all the other data, why would they lie about this part?" Smiler asked.

The continuing stereotype of sex-crazed boys could be detrimental in making them think they have to assume a macho role, Smiler said. "It also impacts the development of girls, as they think all that boys want is sex," he added. "If we don't teach them about relationships when they're teenagers, how do they learn these necessary skills?"

CONTACT: Dr. Andrew Smiler, 312-3462

(Posted Mar 05, 2008 in Campus News)

An Eye on Funding—Current Funding Opportunities

ARTS

Rothschild (Judith) Foundation
[63436]
Deadline: 09/30/08
Scope: The sponsor provides grants to present, preserve or interpret work of the highest aesthetic merit by lesser known American artists who have died after September 12, 1976.
Funding: The sponsor has no preset restrictions on the amount of a request, although previous grants have not exceeded $35,000.
Objectives: The primary emphasis is to promote public awareness of the scope of the artists' achievements as well as direct aesthetic experience of their work. Grants include support for: the organization of an exhibition; the acquisition of works of art for display and study in museums and public galleries; the development of accompanying public programs, films or videos; the preparation of publications; scholarly and critical pursuits; and the conservation, cataloguing, and safe-keeping of works of art. Preference will be given to those projects to which the applicants themselves have demonstrated a strong commitment. All qualifying work must meet the following criteria: work of the highest quality, regardless of style, by under-appreciated American artists, deceased after September 12, 1976; art in the following mediums: painting, including collage and relief, sculpture, and photography; and a clear and demonstrated need for such support.

EDUCATION

ED, Developing Hispanic-Serving Institutions Program [49501]
Deadline: 08/10/08
Scope: The HSI Program provides grants to assist Hispanic Serving Institutions to expand educational opportunities for, and improve the academic attainment of, Hispanic students. The HSI Program grants also enable HSIs to expand and enhance their academic offerings, program quality, and institutional stability.
Funding: The sponsor has requested $94,914,000 for the HSI program for FY 2008, of which we intend to use an estimated $13,408,000 for new awards. The actual level of funding for the FY 2008 program, if any, depends on final Congressional action.

NEA Foundation for the Improvement of Education [81624]
Deadline: 06/01/08, 10/15/08
Scope: The sponsor provides grants to support public school teachers, public education support professionals, and/or faculty and staff in public institutions of higher education in either Learning & Leadership or Student Achievement.
Funding: For individual Leadership & Learning grants, the award is $2,000. For group Leadership & Learning grants, the award is $5,000. Grant funds may be used for fees, travel expenses, books, or other materials that enable applicants to learn subject matter, instructional approaches, and skills. Student Achievement grants are awarded for $5,000. Grant funds may be used for resource materials, supplies, equipment, transportation, software, or scholars-in-residence.
Objectives: Grants are awarded in the following categories:
Learning & Leadership: Grants to individuals fund participation in high-quality professional development experiences, such as summer institutes or action research. Grants to groups fund collegial study, including study groups, action research, lesson study, or mentoring experiences for faculty or staff new to an assignment. All professional development must improve practice, curriculum, and student achievement. Student Achievement: The sponsor provides grants to improve the academic achievement of students in U.S. public schools and public higher education institutions in any subject area(s). The proposed work should engage students in critical thinking and problem solving that deepen their knowledge of standards-based subject matter. The work should also improve students’ habits of inquiry, self-directed learning, and critical reflection. Proposals for work resulting in low-income and minority student success with honors, advanced placement, or other challenging curricula are particularly encouraged. Grant funds may be used for resource materials, supplies, equipment, transportation, software, or scholars-in-residence. Although some funds may be used to support the professional development necessary to implement the project, the majority of grant funds must be spent on materials or educational experiences for students.

**NSF, Engineering Education Programs [86592]**

**Deadline:** 08/15/08

**Scope:** The sponsor provides funding for research that contributes to the basic understanding of how students learn engineering.

**Objectives:** Research is sought that contributes to our basic understanding of how students learn engineering. The sponsor is looking for significant breakthroughs in understanding so that our undergraduate and graduate engineering education can be transformed to meet the needs of the changing economy and society. The sponsor is interested in research that addresses: the aims and objectives of engineering education; the content and organization of the curriculum; how students learn problem solving, creativity and design; new methods for assessment and evaluation of how students learn engineering; and research that helps us understand how to attract a more talented and diverse student body to all levels of engineering study. It is expected that successful proposals will most likely be comprised of multidisciplinary teams of engineers and other fields that bring expertise pertinent to learning research.

**Palm Foundation [94078]**

**Deadline:** 07/01/08

**Scope:** The sponsor’s program provides financial and product-donation assistance to high-quality, effective non-profit organizations. The sponsor provides product donations to eligible organizations that focus on issues directly related to the education of youth, while cash grants are made to organizations that focus on issues directly related to the education of youth at risk.

**Funding:** The sponsor will make product donations of up to 100 devices per grant. Cash grants will range from $1,000 to $25,000 per grant. The sponsor will consider multiple-year grants for a period not exceeding three years. Overhead expenses must not exceed 20% of the total operating budget.

**Objectives:** The sponsor provides product donations to eligible organizations that focus on issues directly related to the education of youth. Preference will be given to organizations with a strong underserved outreach component. The Foundation is particularly interested in supporting the following organizations and programs: Magnet and alternative schools and/or programs/organizations/institutions serving disadvantaged youth; and Projects that assist children with special education needs (e.g., autism, cognitive disabilities) and programs supporting student progress (e.g., the development and implementation of individualized education plans for children in foster care).

**HEALTH & WELLNESS**

**General Electric Healthcare [69908]**

**Deadline:** 05/01/08, 08/01/08, 11/01/08

**Scope:** The sponsor provides funding to registered, non-profit, tax-exempt organizations focused on youth education and/or promoting healthy lives.

**Funding:** Grants are made in three levels:

Funding up to $5,000: the funding request focuses on a local community; the program reaches twenty or more clients in providing its services; and the program provides possible opportunities to engage local GE employees in volunteerism.

Funding between $5,000-$25,000: the program engages the community and, if appropriate, a GE Healthcare facility in an integrated and meaningful way on a
An Eye on Funding (Continued from page 4)

metropolitan wide or regional basis; and the program delivers services, disseminates information, provides training/outreach and/or builds networks broadly in a major metropolitan area or region. Funding between $25,000-$50,000: the funding request focuses on a national/global community issue.

Objectives: Areas of Impact include:
Youth Education Program Areas: underserved communities with low graduation rates; focus on youth from birth – 18; support core competencies (such as math, science, reading, writing); arts in education—programs must focus on developing student’s life skills and/or support core competencies to increase testing scores and graduation rates; and early childhood development programs that integrate learning and life skills into everyday learning. Healthy Lives Program Areas: childhood obesity; cardiac care (such as heart disease, etc.); oncology (such as general and specific cancers); neurology (such as Stroke, Parkinson’s disease, Alzheimer’s Disease, etc.); women’s healthcare; diabetes; and other health related issues that address a need for increased awareness and/or community outreach.

Diversity and Service Programs: programs that impact minority populations; and programs that address local community issues (such as poverty, homelessness, the disadvantaged, food programs, training).

HUMANITIES

NEH, Preservation Assistance Grants for Smaller Institutions
Deadline: 05/15/08
Scope: Preservation Assistance Grants help small and mid-sized institutions, such as libraries, museums, historical societies, archival repositories, town and county records offices, and colleges, improve their ability to preserve and care for their humanities collections. These may include special collections of books and journals, archives and manuscripts, prints and photographs, moving images, sound recordings, architectural and cartographic records, decorative and fine arts, textiles, archaeological and ethnographic artifacts, furniture, and historical objects.

Funding: Outright grants of up to $5,000 will be awarded. All grants are awarded for a period of eighteen months; however, a grantee may complete a project in a shorter period of time.

NYCH, Major Grants [02050
Deadline: 11/01/08
Scope: The sponsor provides support of at least $2,500 to New York non-profit, tax-exempt organizations for humanities projects.

Funding: Major Grants are for project requests of $2,500 or more. While there is no upper limit on the amount that can be requested, grants awarded generally do not exceed $20,000. All grants are matching grants. This means that that the sponsor’s award must be equaled or exceeded by the project’s total budget. Objectives: Grants are designed to help public audiences learn more about the humanities. The sponsor favors applications that display a critical approach, and encourages projects that pose questions rather than answering them—that explore the “why” rather than simply the “how.” The centrality of humanities scholars and scholarship in Council-funded projects is essential. We also favor projects that bring the humanities to new audiences. Some appropriate formats for these projects include, but are not limited to: lectures, conferences, symposia, and panel discussions intended for the general public; planning or implementation of exhibitions; film screenings or readings combined with interpretive discussion; interpretive brochures, docent scripts, or walking tours; exhibition catalogues with significant humanities scholarship; radio programs; and/or internet presentations such as online exhibitions or moderated discussions.

NHPRE, Strategies and Tools for

Archives and Historical Publishing Projects [93232]
Deadline: 06/02/08
Scope: The sponsor seeks proposals to develop new strategies and tools that can improve the preservation, public discovery, or use of historical records.

Funding: A grant normally is for one to three years. The Commission expects to make one to three grants of between $50,000 and $150,000. The total amount allocated to this category is up to $150,000 per fiscal year. Because these grants encourage the development of methods that will benefit many institutions, the NHPRE will provide up to seventy-five percent of the total project costs.

Objectives: Project may also focus on techniques and tools that will improve the professional performance and effectiveness of those who work with such records, such as archivists, documentary editors, and records managers. Applications must: Present evidence for the need for improvement in current methods; Demonstrate that the project staff has the skills, educational background, and experience appropriate to the project; Describe which reliable research-and-development methodologies and techniques will be used to produce practical outcomes; Describe how the applicant will test the outcomes with practitioners; Describe how the outcomes will be evaluated; Indicate that the applicant will document the costs and benefits of employing the new strategies or tools; and Describe how the project will publicize the results and make them available to the appropriate professions at minimal or no cost.

INTERDISCIPLINARY

National Endowment for Financial Education [71994]
Deadline: 06/03/08
Scope: The sponsor is dedicated to the mission of helping Americans acquire the information and gain the skills necessary to take control of their financial lives. The grants program seeks inno-
operative research and research-based development projects that can make a profound contribution to the field of financial literacy.

**Funding:** Recent grant awards for research projects have ranged from $100,000 to $208,000. Grant durations generally range from twelve to thirty-six months.

**Objectives:** The sponsor seeks innovative research and research-based development projects that can make a profound contribution to the field of financial literacy. Inquiries from disciplines in fields as diverse as behavior, economics, neuroscience, sociology, psychology, marketing, finance, education, change theory, decision sciences, and others are encouraged. Project outcomes should be actionable in the field of financial literacy, directly relevant to the financial well-being of the public and have the ability to be applied broadly. The sponsor seeks projects whose outcomes can improve the public’s ability to achieve personal and household financial well-being. Of particular interest are proactive research projects initiated from one of a broad spectrum of scholarly disciplines whose findings may cultivate critical thinking in the financial literacy community. Also of interest are development projects that actuate research recommendations. Project outcomes must be capable of achieving traction and measurable impact with audiences such as financial education intermediaries, researchers, practitioners, decision makers, and others who can achieve effective outreach to a target population with an unmet financial literacy need or to the general public.

**Target, Local Giving Grants Program [72601]**

**Deadline:** 05/31/08

**Scope:** The sponsor provides grants averaging between $1,000 and $3,000 to nonprofit organizations for community projects in the areas of the arts, family violence prevention, and early childhood reading.

**Objectives:** Grants are made in the areas of arts, family violence prevention, and early childhood reading.

**Electronic Data Systems Foundation [83264]**

**Deadline:** 06/30/08, 10/13/08

**Scope:** The sponsor provides support to non-profit organizations involved in education, health and human services, and arts & culture. The sponsor will also focus on supporting comprehensive technology solutions that increase performance and productivity in educational institutions and community organizations globally. Program elements include: access to technology; content; technical infrastructure; professional development; and evaluation.

**Funding:** Organizations based outside of the United States require a minimum request of $10,000. The Foundation does not approve multi-year grants, but organizations may re-apply annually.

**Objectives:** The sponsor is interested in supporting programs that provide solutions for narrowing the "digital divide." Program elements would include: access to technology (only in combination with the following program elements); content; technical infrastructure; professional development; and evaluation. Other program categories include: arts and culture (i.e. arts education and outreach programs that support exhibitions, special performances, concert series, and exhibits); health and human services (i.e. programs that support perinatal care, immunization, illness prevention, education on health care, access to health care, etc.); and general education (i.e. after-school programs, mentoring, tutoring, etc.).

**Independence Community Foundation [83266]**

**Deadline:** 09/30/08

**Scope:** The sponsor provides funding to nonprofit, tax-exempt organizations for services in the following areas: Neighborhood Renewal; Education, Culture, and the Arts; and Community Quality of Life.

**Objectives:** Grants are made in the following areas: Neighborhood Renewal; Education, Culture, and the Arts; and Community Quality of Life.

**Neighborhood Renewal:** Pre-development and planning grants to convert blighted and vacant properties into affordable housing, commercial uses, open space and/or community facilities; Workforce development projects or programs; Community-based enterprise projects or programs; and support for high-quality early childhood development programs and community-based social and human services.

**Education:** Expand access to skills training, literacy programs, after-school opportunities and higher education; Support at-risk students; and Improve the physical learning environment, including buildings and equipment.

**Culture/Arts:** Expand the capacity of local institutions to present visual and performing arts to new audiences; Increase community access to the arts by supporting local arts organizations; and Expand the opportunity for arts education for young people and adults.

**Community Quality of Life:** Grants support disease awareness and prevention; food pantries; neighborhood greening and graffiti removal; and counseling support for vulnerable populations.

**Keck (W. M.) Foundation, Science and Engineering, Medical Research, and Liberal Arts [01692]**

**Deadline:** 05/01/08

**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 scientific and medical 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.

**Funding:** Requests for more than $5.0 million will be designated as a Special
Project and considered separately from other inquiries. The review period for Special Projects does not necessarily conform to the established grant cycle. **Objectives:** 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; or establish new directions and utilize creative approaches in education and research for the liberal arts and sciences at predominantly undergraduate institutions.

**Engineering Information Foundation** [67744]

**Deadline:** 08/31/08

**Scope:** The sponsor's grant activity supports developmental projects, instructional projects, and training programs in engineering education and research that fit the sponsor's fields of interest. These currently include the availability and use of published information, women in engineering, and information access in developing countries.

**Funding:** The sponsor suggests that the requested grant amount be between $5,000 and $25,000. The sponsor encourages the applicant to attract a matching grant from another source, if necessary.

**Objectives:** The sponsor's grant activity supports developmental projects, instructional projects, and training programs in engineering education and research that fit our fields of interest. These currently include the following: **AVAILABILITY AND USE OF INFORMATION**--The sponsor seeks to improve communication skills of engineers by identifying successful approaches for including communication behavior into engineering curricula. Projects might focus on identifying innovative educational models, implementing them in your curriculum, and testing approaches or testing models already in place. Collaborative projects between schools of engineering, communications, and/or information science are especially welcome.

- **WOMEN IN ENGINEERING**--The sponsor seeks to encourage middle-school aged girls to pursue engineering degrees. Projects might focus on orientation and recruitment of women, or on staying the course after the first year in engineering school. The sponsor wishes to eliminate the negative effects of gender-related behavior in the classroom.

- **DEVELOPING COUNTRIES**--The sponsor seeks to support and strengthen educational and service center programs that help students and teachers find and use the engineering information they need, from computer and internet sources or by other means. Projects might focus on instruction in engineering schools and libraries, support for acquisition of information systems, or support for internet connectivity in the developing world.

**Gimbel (Bernard F. and Alva B.) Foundation, Inc.** [67894]

**Deadline:** 07/31/08

**Scope:** The sponsor makes grants in the areas of education, workforce and economic development, civil legal services, criminal justice, reproductive rights and the environment.

**Funding:** In 2007, the sponsor made seventy-three grants ranging from $25,000 to $100,000.

**Note:** The sponsor does not accept unsolicited proposals for the Environment program area.

**Gifford (Rosamond) Charitable Corporation, Capacity Building Grants Program** [67960]

**Deadline:** 10/01/08

**Scope:** The sponsor's program provides support to eligible organizations for projects based on organizational capacity building. The Foundation will continue its regular grantmaking to nonprofits in its three county area of investment (Onondaga, Oswego and Madison), but will shift its focus to requests centered on capacity building projects only.

**Funding:** While the sponsor is not assigning limits on grant requests, please be aware that over the past years the average Gifford grant has been roughly $15,000.

**Objectives:** Grants will be awarded to organizations seeking capacity assistance ranging from board and staff development, strategic plan implementation, technical advancement and infrastructure supports (including some capital), etc.

**Constellation Energy Group, Corporate Contributions** [68120]

**Deadline:** 05/01/08

**Scope:** The sponsor provides support to make social investments addressing education, economic development and environmental needs.

**NSF, Economics** [70160]

**Deadline:** 08/18/08

**Scope:** The sponsor supports research designed to improve the understanding of the processes and institutions of the US economy and of the world system of which it is a part.

**Objectives:** This program strengthens both empirical and theoretical economic analysis as well as the methods for rigorous research on economic behavior. It supports research in almost every area of economics, including econometrics, economic history, environmental economics, finance, industrial organization, international economics, labor economics, macroeconomics, mathematical economics and public finance.

The sponsor welcomes proposals for individual or multi-investigator research projects, doctoral dissertation improvement awards, conferences, workshops, symposia, experimental research, data collection and dissemination, computer equipment and other instrumentation, and research experience for undergraduates. The program places a high priority on interdisciplinary research. The program also funds conferences and interdisciplinary re-
search that strengthens links among economics and the other social and behavioral sciences as well as mathematics and statistics.

**USAID, Inter-Agency PEPFAR Annual Program Statement U.S. Government Mission to South Africa [84571]**

**Deadline:** 11/16/08

**Scope:** The sponsor seeks applications for funding to support implementation of the U.S. Government’s President’s Emergency Plan for AIDS Relief (PEPFAR) in South Africa. The sponsor solicits concept papers from applicants that will support the Emergency Plan initiative.

**Funding:** Agreements for the APS will be funded in two categories: Category 1: Not less than $250,000 and not more than $1 million in the initial year. Requests for funding in this category can be for up to five years of funding. Category 2: Not less than $1 million and not more than $25 million in the initial year. Requests for funding in this category can be for up to five years of funding.

**Objectives:** The goals of the PEPFAR initiative are to: prevent seven million new HIV infections; treat at least two million HIV-infected people; and care for ten million HIV-affected individuals and AIDS orphans and vulnerable children. This APS is targeted at programs that will provide services in any of the program areas listed below: prevention; care; treatment; policy, strategic information and systems strengthening. The overarching goal of the program is to expand access to HIV-related services to large numbers of South Africans.

**USAID, Conflict Mitigation and Reconciliation Programs and Activities [93475]**

**Deadline:** 05/06/08, 08/12/08

**Scope:** Financial assistance will be provided by the sponsor for programs from eligible organizations that support conflict mitigation and reconciliation programs and activities that bring together individuals of different ethnic, religious, or political backgrounds from areas of civil conflict and violence in the various selected eligible countries in Africa, Asia and Near East, Europe and Eurasia, and Latin America and the Caribbean.

**Funding:** Applications requesting funding of less than $100,000 or more than $600,000 in total will not be eligible for award. Total amount of funding is estimated at $35,000,000. Programs are not anticipated to exceed 24 months.

**Objectives:** Conflict Mitigation Programs should reduce the threat or impact of violent conflict and promote peaceful resolution of differences, mitigate violence if it has already broken out, or establish a framework for peace and reconciliation that includes both men and women.

Peace and Reconciliation Programs should support and strengthen the negotiation process and implementation of peace and reconciliation processes, accords and ceasefire agreements. These programs should include efforts to build trust in the process, between parties, and among their constituents. Illustrative activities include negotiation training; platform development; public opinion polling; facilitation activities; elder statesmen engagement; provision of international expert advice and knowledge; financial support to parties; multi-stakeholder dialogues; assistance with the design of peace-building training programs; support and maintenance of agreed verification mechanisms; support to complaint tracking mechanisms; and work with local and national government representatives to bring them closer to their constituencies.

**Anderson-Rogers Foundation [95926]**

**Deadline:** Open for letters of inquiry

**Scope:** The sponsor makes grants to organizations that address a variety of social and environmental needs.

**Objectives:** The sponsor is particularly interested in funding programs in the following areas: Family planning and abortion rights; Child welfare; Improvement of parenting knowledge and practices; Environmental education and activism, with an emphasis on restoring and preserving habitat and protecting endangered animals; Adult literacy; and Promotion of humanist values and separation of church and state. The sponsor gives preference to proposals for innovative projects or general operating support from small, hands-on organizations that may be lacking in financial support from other organizations.

**USAID, Support of the South African Department of Education [95691]**

**Deadline:** 12/31/08

**Scope:** The sponsor is soliciting applications prospective partners within the education sector in South Africa. The goals of the program are to support the South African Department of Education (DoE) to mitigate the impact of HIV and AIDS within the education sector and to strengthen the capacity of the students, teachers and education officials to deliver quality education and training.

**Funding:** It is anticipated that agreements will be funded for amounts between $500,000 and $1,500,000 and that each agreement will be awarded for a period of eighteen months to two years with a possibility of an optional one year extension depending on the recipient’s performance and availability of funds.

**Objectives:** The objectives of the activities to be supported through this program are to reduce the impact of HIV and AIDS on the education system, prevent HIV infections, encourage healthy living behaviors and ultimately improve the quality of education for the targeted groups.

**SCIENCES**

**NSF, Virtual Organizations as Socio-technical Systems [96142]**
Deadline: 06/02/08
Scope: The sponsor supports scientific research directed at advancing the understanding of what constitutes effective virtual organizations and under what conditions virtual organizations can enable and enhance scientific, engineering, and education production and innovation. Levels of analysis may include (but are not limited to) individuals, groups, organizations, and institutional arrangements. Disciplinary perspectives may include (but are not limited to) anthropology, complexity sciences, computer and information sciences, decision and management sciences, economics, engineering, organization theory, organizational behavior, social and industrial psychology, public administration, and sociology. Research methods may span a broad variety of qualitative and quantitative methods, including (but not limited to): ethnographies, surveys, simulation studies, experiments, comparative case studies, and network analyses.
Funding: The sponsor anticipates providing up to 10 to 15 new awards.
Award sizes are expected to range from $50,000 to $400,000 in total costs (including indirect costs) for the period of the grant with durations up to three years.
Objectives: Funded research must be grounded in theory and rooted in empirical methods. It must produce broadly applicable and transferable results that augment knowledge and practice of virtual organizations as a modality. The sponsor does not support proposals that aim to implement or evaluate individual virtual organizations.

NSF, Division of Integrative Organismal Systems [00443]
Deadline: 07/12/08
Scope: Support is provided for research aimed at an integrative understanding of organisms.
Objectives: The sponsor supports research aimed at an integrative understanding of organisms. The goal is to predict why organisms are structured the way they are, and function as they do. Projects that innovatively apply systems biology approaches, i.e. approaches that combine experimenta- tion, computation, and modeling, and which lead to new conceptual and theoretical insights and predictions about integrated organismal properties that may be experimentally verified, are particularly encouraged. Understanding these emergent, systems properties of organisms requires integrative, interdisciplinary approaches. The sponsor encourages proposals that include analyses across multiple levels of biological organization, from molecular through ecological, theoretical as well as advanced computational techniques, and interdisciplinary collaborations involving scientists from all areas of biology, behavioral science, physical science, mathematics, engineering, and computer science. Current scientific emphases include: Behavioral Systems, Developmental Systems, Environmental and Structural Systems, and Functional and Regulatory Systems.

Eppley Foundation for Research, Inc., Advanced Scientific Research Grants [02325]
Deadline: 05/01/08, 08/01/08, 11/01/08
Scope: The sponsor provides Support for Advanced Scientific Research for post-doctoral work in the physical and biological sciences, computer science, social sciences, and educational programs.
Objectives: The sponsor does not usually support areas where there is considerable funding from conventional sources, such as cancer research, DNA research, cardiovascular and HIV/AIDS research.

Dreyfus (Camille and Henry) Foundation, Inc., Special Grant Program in the Chemical Sciences [03727]
Deadline: 06/15/08
Scope: The sponsor offers support to eligible institutions projects that propose to advance the science of chemistry in innovative ways. Proposals are invited in any area consistent with the sponsor’s broad objective of advancing the chemical sciences.
Funding: Funds are expected to be spent within the stated time frame. No part of the award may be used for institutional administrative purposes or for faculty academic-year salary.
Objectives: The sponsor offers support for proposals that are likely to significantly advance the chemical sciences. Examples of areas of interest are (but are not limited to): the increase of public awareness, understanding and appreciation of the chemical sciences; environmental chemistry; innovative approaches to chemistry education at all levels; and programs to make chemistry careers more attractive, particularly to underrepresented groups.

ACS, Undergraduate Research [08564]
Deadline: 08/01/08
Scope: Support is provided for research related to the petroleum field.
Funding: The maximum funding is $65,000 for three years. Proposals may request a maximum of $65,000; all proposals are for three years. It is estimated that a total of 45 grants will be awarded each year. Only principal investigators in the United States may request a contribution to his or her summer salary, not to exceed $7,500 per grant year, including benefits, to a maximum of $22,500. The need for adequate equipment to perform the proposed research is recognized and UR funds may be used for this purpose; however, decreased student support in lieu of equipment is discouraged. For single equipment purchases exceeding $10,000, applicants should seek matching funds. A maximum of $2,000 per year of the original grant term may be used for conference travel. Support of student travel to scientific meetings is encouraged. There are no restrictions on foreign travel.
Objectives: The emphasis of the UR grants is to provide funding for scientists and engineers with established programs of research at non-doctoral
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departments. Demonstration of productivity is important, but a UR grant may also be used for a project with limited or no preliminary results in a new research area the PI wishes to pursue, with the intention of using the preliminary results obtained to seek continuation funding from other agencies.

American Honda Foundation [09372]
Deadline: 05/01/08
Scope: The sponsor provides grant support for projects in the areas of youth and scientific education.
Funding: Average grants range from $10,000 to $100,000 per year.
Objectives: Programs related to youth and scientific education should be: dedicated to improving the human condition of all mankind; soundly managed and administered by enthusiastic and dedicated individuals who approach their jobs in a youthful way; look to the future or farsighted programs; and innovative and creative programs that propose untried methods which ultimately may result in providing solutions to the complex cultural, educational, scientific and social concerns currently facing the American society.

NSF, Scholarships in Science, Technology, Engineering, and Mathematics [49644]
Deadline: 07/10/08
Scope: Grants of up to $125,000 per year are awarded to U.S. institutions of higher education to support scholarships for academically talented, financially needy students, enabling them to enter the workforce following completion of an associate, baccalaureate, or graduate level degree in science and engineering disciplines.
Funding: Approximately $70 million is expected to be available to support up to one-hundred and thirty new awards. Awards are normally not expected to exceed $600,000 in total. Annual budgets are limited to $225,000. The award duration may be up to five years (four scholarship years and an optional initial planning period), within the annual and overall budget limits. The limits include the funds for administrative and support functions as well as the scholarship funds. S-STEM grants may be made for up to five years (four scholarship years and an optional initial planning period) and may provide individual scholarships of up to $10,000 per year, depending on financial need.
Objectives: This program emphasizes the importance of recruiting students to high technology disciplines, mentoring and supporting students through degree completion, and partnering with employees to facilitate student career placement in the high technology workforce. Participating institutions are expected to support the goals of the CSEMS program including: improved educational opportunities for students; increased retention of students to degree achievement; improved student support programs at institutions of higher education; and increased numbers of well educated and skilled employees in technical areas of national need.

NSF, Atomic Molecular and Optical Physics [67622]
Deadline: 09/24/08
Scope: The sponsor provides support for research projects in the fields of atomic molecular and optical physics.
Objectives: The Atomic Molecular and Optical Physics program encompasses four sub-areas of this broad discipline: Precision Measurements, Atomic and Molecular Dynamics, Atomic and Molecular Structure, and Optical Physics. Research supported in the first three sub-areas includes activities in quantum control, cooling and trapping of atoms and ions, low-temperature collision dynamics, the collective behavior of atoms in weakly interacting gases (Bose-Einstein Condensates and dilute Fermi degenerate systems), precision measurements of fundamental constants, and the effects of electron correlation on structure and dynamics. In Optical Physics, support is provided in areas such as nonlinear response of isolated atoms to intense, ultra-short electromagnetic fields, the atom-cavity interaction at high fields, and quantum properties of the electromagnetic field.

NSF, Elementary Particle Physics [67623]
Deadline: 09/24/08
Scope: The sponsor supports research on the properties and interactions of elementary particles, the most fundamental building blocks of matter, at the frontiers of energy and sensitivity.
Objectives: The sponsor supports research on the properties and interactions of elementary particles, the most fundamental building blocks of matter, at the frontiers of energy and sensitivity. Research includes the exploration of quarks and leptons and the interactions among these elementary constituents.

NSF, Nuclear Physics [67625]
Deadline: 09/24/08
Scope: The sponsor provides support for research projects in the field of nuclear physics.
Objectives: The sponsor supports research on properties and behavior of nuclei and nuclear matter under extreme conditions; the quark-gluon basis for the structure and dynamics of nuclear matter (which is now given in terms of mesons and nucleons); phase transitions of nuclear matter from normal nuclear density and temperature to the predicted high-temperature quark-gluon plasma; and basic interactions and fundamental symmetries. This research involves many sources, including intermediate-energy to multi-GeV electrons and photons; intermediate-energy light ions; low-energy to relativistic heavy ions, including radioactive beams; cold and ultra-cold neutrons; as well as non-accelerator-based experiments.

NSF, Particle and Nuclear Astrophysics [67628]
Deadline: 09/24/08
Scope: The sponsor provides support for research projects in the fields of particle and nuclear astrophysics.
An Eye on Funding (Continued from page 10)

Objectives: The sponsor supports university research in particle and nuclear astrophysics, including the study of ultra high energy particles reaching Earth from beyond our atmosphere and experiments or research and design projects for underground facilities. Currently supported activities are: ultra high energy cosmic-ray and gamma-ray studies; the study of gamma-ray bursts, solar, underground and reactor neutrino physics; searches for the direct detection of Dark Matter; and searches for neutrino-less double beta decay. Funding is also provided for accelerator-based nuclear astrophysics studies of stellar processes, nucleosynthesis, and processes related to cosmology and the early universe.

NSF, Theoretical Physics [67631] Deadline: 09/24/08
Scope: The sponsor provides support for research projects in the field of theoretical physics. In addition, support is provided for infrastructure activities, including both short- and long-term visitor programs, workshops, and research centers involving the participation of external scientists from universities, national laboratories, and industry, as well as graduate students and postdoctoral fellows.

Objectives: The sponsor supports the development of qualitative and quantitative understanding of fundamental physical systems, ranging from the most elementary constituents of matter through nuclei and atoms to astrophysical objects and the cosmos. This includes formulating new approaches for theoretical, computational, and experimental research that explore the fundamental laws of physics and the behavior of physical systems; formulating quantitative hypotheses; exploring and analyzing the implications of such hypotheses analytically and computationally; and, in some cases, interpreting the results of experiments. Support is given for research and conferences in the following categories: elementary particle physics; nuclear physics; atomic, molecular, optical, and plasma physics; astrophysics and cosmology; gravitational physics, and a broad spectrum of topics in mathematical physics, described below. The effort also includes a considerable number of interdisciplinary grants.

NSF, Systematic Biology and Biodiversity Inventories Cluster [70415] Deadline: 07/09/08
Scope: The sponsor supports the general science of systematics, whose three main missions are to: discover, describe, and inventory global species diversity; analyze and synthesize the information derived from this global discovery effort into predictive classification systems that reflect the history of life; and organize the information derived from this global program in efficiently retrievable forms that best meet the needs of science and society.

Objectives: Funding is provided under the following focus areas:
Systematic Biology: Supports the scientific study of biological species diversity, and encompasses taxonomy, classification, and phylogenetics, for all groups of organisms and for all habitats on Earth, including marine environments. Activities include the discovery and description of species, the organization of taxonomic information into hierarchical predictive classifications associated with efficient, reliable identification keys, and the analysis of evolutionary relationships among groups of species and across the tree of life. Biodiversity Surveys and Inventories: Supports expeditionary work to discover, describe, and document plant, animal, and microbial diversity throughout the world, whether terrestrial, freshwater, or marine, and with emphasis on well-vouchered natural history collections, or stocks and cultures associated with databases. Supported surveys may be primarily area-based (i.e., focusing on species inventory and discovery, including biogeographic or evolutionary hypothesis testing), clade-based (i.e., continental-scale to global species inventory for a particular taxonomic group), or guild-based (i.e., surveys that couple species inventory and discovery with ecological hypothesis testing).

NSF, MSA Grant for Research in Crystallography, Mineral Physics or Chemistry, and Mineralogy [72817] Deadline: 06/01/08
Scope: The sponsor provides a grant in the amount of $5,000 for research in crystallography, mineral physics or chemistry, and mineralogy.
Funding: The grant is for research-related expenses only. Grants may not be used for travel expenses, conferences, short courses, non-research fieldtrips, tuition, non-research living (room and board) expenses, and salary for the researcher.

Scope: The sponsor provides funding to universities, colleges, and consortia thereof for the purchase of multi-user instruments. The maximum request is $500,000 for instrumentation. Additional funds may be requested for personnel who are needed to support cyber-enhanced projects.
Funding: Approximately $6 million per fiscal year will fund approximately twenty awards as standard or continuing grants depending upon the quality of proposals and the availability of funds. Awards will have a three-year duration and are non-renewable. Award size is limited to $500,000 plus personnel costs for cyber-enabled projects.
Objectives: Funding is provided to groups of chemical scientists for the purchase of multi-user instruments.

NSF, Long Term Research in Environmental Biology [83113] Deadline: 07/09/08
Scope: The sponsor encourages the submission of proposals aimed at generating long time series of biological and environmental data that address particular ecological and evolutionary
processes. The sponsor will support competitively reviewed projects that continue critical and novel long-term data collection aimed at resolving important issues in environmental biology.

**Funding:** Awards are not to exceed $90,000 per year (direct and indirect costs) or $450,000 over the initial five-year (sixty month) effort. The sponsor anticipates making fifteen to twenty awards annually for a total of $2,000,000. Researchers may request up to one month of salary per year.

**Objectives:** Two major components are required in a project: Long-term Research and Plan for Data Dissemination.

Long-Term Research: The sponsor recognizes that five years is not adequate to address many pressing questions in environmental biology. In response, the LTREB Program now encourages decadal research projects. This decadal perspective requires that proposers develop a conceptual framework that spans at least ten years. This framework will be a critical component of an initial five-year proposal, and questions or hypotheses outlined in this framework must guide any subsequent renewal. At least six years of data must have been collected continuously at an appropriate time interval (for example, monthly or annually) and must be documented to seek LTREB funding. Justification must be provided for continuing data collection for at least ten years beyond the initial six-year period. Although most LTREB projects involve field studies, some laboratory projects (for example, long-term selection experiments) may also be suitable for LTREB funding. The approach to data collection must be hypothesis driven. The LTREB Program does not support basic monitoring efforts.

Plan for Data Dissemination: Data from long-term research projects have value beyond the peer-reviewed and other publications generated by the investigators collecting the data. Other researchers may develop new perspectives on the same long-term data or new ideas may arise from a combination of long-term data sets. Also, long-term data are expected to be of special interest to the public. Therefore, all proposals must describe details of information management and plans for data sharing with the broader research community and the interested public.

**EPA, Broad Agency Announcement for Conferences, Workshops, and/or Meetings [86591]**

**Deadline:** 06/05/08, 12/09/08

**Scope:** The sponsor provides funding to eligible applicants for conducting, conferences, workshops, and/or meetings.

**Funding:** Meeting and workshop support up to $25,000 per agreement including direct and indirect costs. This category is for major support of small scale, focused meetings and workshops on a specific subject or subjects relating to environmental research. Large conference support up to $75,000 per agreement including direct and indirect costs. This category is for major support of broader conferences that include a wide range of subjects relating to environmental research.

EPA will not consider applications for less than $15,000 or more than $75,000. All grants and cooperative agreements will have duration of up to 1-year to provide for follow-up activities such as the publication of reports and proceedings. It is expected that a total of 15 awards will be granted.

**Objectives:** The sponsor is soliciting applications from eligible applicants for the planning, arranging, administering, and/or conducting of conferences focusing on research that protects human health and safeguards the natural environment in the areas described below. ORD may support scientific and technical research conferences that address one or more of the following research program areas: (1) human health; (2) ecosystems, water and security; (3) economics and sustainability; (4) air and global climate change; and (5) technology.

**NSF, Nanotechnology Undergraduate Education (NUE) in Engineering [86913]**

**Deadline:** 05/14/08

**Scope:** The sponsor aims at introducing nanoscale science, engineering, and technology through a variety of interdisciplinary approaches into undergraduate engineering education. The focus is on nanoscale engineering education with relevance to devices and systems and/or on the societal, ethical, economic and/or environmental issues relevant to nanotechnology.

**Funding:** There will be ten awards of up to $200,000 for two years.

**Objectives:** The sponsor wishes to enable individuals, departments, programs, or campuses to integrate nanoscale engineering into their curricula. Integration could take the form of a new course or courses, or modification of existing courses so that a substantial portion of the course content is based on nanoscale engineering. Integration could include a module or modules in courses that focus on issues of environmental or social change and new developments in nanoscale engineering, or a new course or series of courses that include those focuses. Proposals involving any part of the undergraduate engineering curriculum are eligible. International collaborations that advance the underlying NUE goals and strengthen U.S. activities are encouraged.

**NSF, Biological Physics [87649]**

**Deadline:** 08/15/08

**Scope:** The sponsor provides funding to support projects in which the analytical and experimental tools of physics are applied to the study of problems originating in the living world.

**Objectives:** The program supports projects in which the analytical and experimental tools of physics are applied to the study of problems originating in the living world. Both experimental and theoretical projects will be considered, although the main focus of the program is in the experimental area. Of particular interest are projects in which new
An Eye on Funding (Continued from page 12)

experimental approaches are brought to bear on a well-identified problem. These approaches should at the same time have the potential for broad applicability to a set of similar problems, thereby adding to the set of tools the scientist has for addressing biological problems in general. While the problems under study must be important to advancing understanding of the living world in a meaningful way, particular emphasis will be placed on those projects in which the lessons learned from the application serve to foster new concepts and ideas that expand the intellectual basis of physics.

NSF, Environmental Engineering [90485]
Deadline: 09/15/08
Scope: The sponsor provides funding to support research and educational activities across the broad field Environmental Engineering serves, with the goal of applying engineering principles to understand and reduce adverse effects of solid, liquid and gaseous discharges into land, inland and coastal waters and air that result from human activity and that impair the ecological and economic value of those resources.

Objectives: The Environmental Engineering program supports research and educational activities across the broad field it serves, with the goal of applying engineering principles to understand and reduce adverse effects of solid, liquid and gaseous discharges into land, inland and coastal waters and air that result from human activity and that impair the ecological and economic value of those resources. It fosters cutting-edge research based on fundamental science and four types of engineering tools—measurement, analysis, synthesis and design.

Major areas of interest and activity in the program include: developing innovative biological, chemical and physical treatment processes to remove and degrade pollutants from water and air; measuring, modeling and predicting the movement and fate of pollutants in the environment; and developing and evaluating techniques to clean up polluted sites, such as landfills and contaminated aquifers, restore the quality of polluted water, air and land resources, and rehabilitate degraded ecosystems.

The program fosters environmental sustainability through the development of techniques to minimize or avoid generating pollution. Research may be directed toward improving the cost-effectiveness of pollution avoidance, as well as developing new principles for pollution avoidance technologies. Research for new and improved sensors of environmental conditions and innovative waste reduction and recycling processes also are important components of this program.

NSF, Environmental Technology [90488]
Deadline: 09/15/08
Scope: The sponsor provides support to develop and test new technologies across the range of sub-areas and activities in the field of environmental engineering. These include new devices and systems for more effective pollutant removal from air and water, as well as new technologies that minimize or avoid the pollutant generation inherent in older commercial and domestic processes and activities. Fundamental and basic research is solicited in establishing and understanding results in topical areas sought. The program also supports research on the development and refinement of sensors and sensor network technologies that can be used to measure a wide variety of physical, chemical and biological properties of interest in characterizing, monitoring and understanding environmental systems.

Objectives: The program fosters engineering research with the goals of: reducing adverse effects of pollutant discharges from human activities, and enhancing the quality and integrity of the natural environment that provides essential ecological services to humans. The program emphasizes engineering principles underlying pollution avoidance as well as pollution treatment and remediation. Innovative production processes, waste reduction, recycling and industrial ecology technologies are important to this program. The program supports research on innovative technologies to restore polluted land, water and air resources. Current areas of support include: nanotechnology, environmental, health and safety implications and applications; environmental cyber-infrastructure; sensor and sensor network technologies as they relate to the natural ecosystem health; mitigation of human impacts, including those resulting in pollution of the environment (including the effects to water, land and air), and technologies as employed by phytoremediation and other methods to identify and understand the contamination product, control and elimination encouraged; treatment technologies for hazardous and solid waste; and mitigation of environmental impacts of both natural and man-made disasters.

NIST, Measurement, Science and Engineering Research Grants Programs--NIST Center for Neutron Research [91600]
Deadline: 06/29/08
Scope: The NIST Center for Neutron Research (NCNR) Grants Program will provide grants and cooperative agreements for research involving neutron scattering, for the development of innovative technologies that advance the state-of-the-art in neutron research, and for the support of conferences and/or workshops that advance these objectives.

Funding: The NCNR Grants Program will consider proposals lasting from one to three years. When a proposal for a multi-year award is approved, funding will generally be provided for only the first year of the program. If an application is selected for funding, NIST has no obligation to provide any additional funding in connection with that award. Continuation of an award to increase funding or extend the period of performance is at the total discretion of NIST. Funding for each subsequent
An Eye on Funding (Continued from page 13)

year of a multi-year proposal will be contingent upon satisfactory progress, continued relevance to the mission of the NCNR program, and the availability of funds. The multi-year awards must have scopes of work that can be easily separated into annual increments of meaningful work that represent solid accomplishments if subsequent funding is not made available to the applicant, i.e. the scopes of work for each funding period must produce identifiable and meaningful results in and of themselves. Most grants and cooperative agreements are expected to be in the $25,000 to $100,000 per year range.

**Objectives:** All proposals submitted to the NCNR Grants Program must be in accordance with the program objectives. These are to create novel approaches to advance high resolution cold and thermal neutron scattering research; to develop new applications of neutron scattering to physics, chemistry, and macromolecular and materials research; and to support the development of innovative technologies relevant to neutron research, including, for example, high resolution two-dimensional neutron detectors, neutron monochromators, and neutron focusing and polarizing devices. Awards to universities to help to promote research by university students at the NIST/NSF Center for High Resolution Scattering are also funded under this program.

**NSF, Genes and Genome Systems** [93829]

**Deadline:** 07/12/08, 01/12/09, 07/12/09

**Scope:** The sponsor provides funding to support studies on genomes and genetic mechanisms in all organisms, whether prokaryote, eukaryote, phage or virus.

**Objectives:** Funding is provided to support studies on genomes and genetic mechanisms in all organisms, whether prokaryote, eukaryote, phage or virus. Proposals on the structure, maintenance, expression, transfer, and stability of genetic information in DNA, RNA and proteins and how those processes are regulated are appropriate. Areas of interest include genome organization, molecular and cellular evolution, replication, recombination, repair and vertical and lateral transmission of inheritable information. Of equal interest are the processes that mediate and regulate gene expression, such as chromatin structure, epigenetic phenomena, transcription, RNA processing, editing and degradation and translation. The use of innovative in vivo and/or in vitro approaches, including biochemical, physiological, genetic, genomic and/or computational methods, is encouraged, as is research at the interfaces of biology, physics, chemistry, mathematics and computer science and engineering.

**NSF, Cellular Systems Cluster** [93830]

**Deadline:** 07/12/08

**Scope:** The sponsor provides funding for research focusing on the structure, function, and regulation of plant, animal and microbial cells and their interactions with the environment and with one another.

**Objectives:** Areas supported include studies of the structure, function, and assembly of cellular elements, such as the cytoskeleton, membranes, organelles, intracellular compartments, intranuclear structures, and extracellular matrix, including eukaryotic and prokaryotic cell walls and envelopes. In addition, support is provided for the study of intracellular and transmembrane signal transduction mechanisms and cell-cell signaling processes, including those that occur in biofilms. Research on cellular recognition and self defense mechanisms is included. Research utilizing both traditional and innovative methodologies, multidisciplinary approaches, technique development, computation and modeling, and approaches that exploit genomic information is encouraged. Multi-disciplinary approaches to the study of cellular systems, including research carried out at the interfaces of biology, physics, chemistry, mathematics and computer science and engineering are also encouraged.

The Microbial Observatories and Microbial Interactions and Processes competition is also housed in this cluster. This expanded activity supports integrative studies that explore novel microorganisms, their interactions in consortia and communities and aspects of their physiology, biochemistry and genomics in relationship to the processes that they carry out in the environments.

**NSF, Biomolecular Systems Cluster** [93832]

**Deadline:** 07/12/08

**Scope:** The sponsor provides funding for research emphasizing the structure, function, dynamics, interactions and interconversions of biological molecules.

**Objectives:** Funding is provided for research emphasizing the structure, function, dynamics, interactions and interconversions of biological molecules. The context for such studies can range from investigations of individual macromolecules to the large-scale integration of metabolic and energetic processes. Research supported by this cluster includes development of: cutting-edge technologies integrating theoretical, computational and experimental approaches to the study of biological molecules and their functional complexes; mechanistic studies of the regulation and catalysis of enzymes and RNA; and higher-order characterization of the biochemical processes by which all organisms acquire, transform and utilize energy from substrates. This cluster emphasizes the importance of multi-disciplinary research carried out at the interfaces of biology, physics, chemistry, mathematics and computer science and engineering.

**NSF, Particulate and Multiphase Processes Program** [93841]

**Deadline:** 09/15/08

**Scope:** The sponsor provides funding to support fundamental and applied research on mechanisms and phenomena governing particulate and multiphase processes, including granular and
granular-fluid flows, particle/bubble/droplet interactions, aerosol science and technology, suspensions, micro- and nano-structured fluids, self- and directed-assembly of nanostructures and related instrumentation and diagnostics.

**Funding:** The duration of unsolicited awards is generally one to three years. The average annual award size for the program is $80,000.

**Objectives:** The program supports fundamental and applied research on mechanisms and phenomena governing particulate and multiphase processes, including granular and granular-fluid flows, particle/bubble/droplet interactions, aerosol science and technology, suspensions, micro- and nano-structured fluids, self- and directed-assembly of nanostructures and related instrumentation and diagnostics. Innovative research is sought that contributes to improving the basic understanding, design, predictability, efficiency, and control of particulate and multiphase processes with particular emphasis on: new frontiers in nanotechnology, novel manufacturing techniques, nano-metrology, multiphase transport in biological systems, environmental sustainability, critical infrastructure systems and complex engineering systems. Collaborative and interdisciplinary proposals are encouraged; proposals that include a combination of experimental and theoretical approaches are more likely to receive funding than solely theoretically or experimentally oriented work. Highly reviewed projects generally demonstrate a strong scientific basis together with clear practical applications.

Current research focus areas include: multiphase flow phenomena (particle/bubble/droplet dynamics), structured fluids (colloids, ferro-fluids), and self and directed assembly of particles into functional devices; granular and granular-fluid flows (flow and mixing of powders, effects of particle cohesion, fluidization, particle transport systems); particle science and technology (aerosols, production of particles with engineered properties, assembly of particles into functional materials and devices, environmental issues, nanotoxicology); multi-scale models of multiphase systems (emphasis on novel approaches connecting micro- and nano-scale phenomena and properties with process-level variables); and multiphase transport in biological systems (emphasis on applications of functionalized nanostructures in clinical diagnostics and therapeutics).

**NSF, Fluid Dynamics [93844]**

**Deadline:** 09/15/08

**Scope:** The sponsor provides funding to support fundamental research and education on mechanisms and phenomena governing fluid flow.

**Funding:** The duration of unsolicited awards is generally one to three years. The average annual award size for the program is $80,000.

**Objectives:** Funding is provided to support fundamental research and education on mechanisms and phenomena governing fluid flow. Topics include: hydrodynamic stability; transitional flows and turbulence; Newtonian and non-Newtonian fluid mechanics; sediment transport, waves and coastal engineering; multi-scale, multi-phenomena models and computations; biofluid mechanics, micro and nanoscale flow phenomena, and microfluidics. Proposed research should contribute to the basic understanding of fluid dynamics, thus enabling the better design, predictability, efficiency, and control of systems that involve fluids. Proposals addressing innovative uses of fluids in materials development, manufacturing, bio-technology, nanotechnology, clinical diagnostics and drug delivery, sensors development and integration, energy and the environment, are encouraged.

**NFWF, Marine Debris Prevention and Removal Program [95574]**

**Deadline:** 05/18/08

**Scope:** The sponsors provide support for to organizations working on projects to improve our understanding of the impacts of marine debris on our marine and coastal resources, and to reduce and prevent debris in our marine environment.

**Funding:** The majority of grants are anticipated to fall between $20,000 and $200,000. Larger grants will be reserved for those projects that are structured to definitively answer key research questions or implement projects over a broad scale. Please note that applications smaller than $10,000 will not be considered for support. A limited number of multi year (up to three years) grants will be awarded to exemplary projects that demonstrate a clear need and/or added value for the extended period. Matching funds are not required under this program; however, they are strongly encouraged. Proposals that can demonstrate at least a 1:1 match will be most competitive.

**Objectives:** The Program seeks to support projects that have a strong likelihood of reducing marine debris caused by derelict fishing gear (both commercial and recreational), to increase our understanding of the impacts, location and best methods for removal, and projects that engage marinas, ports and the fishing industry. The Program provides competitive grants to finance innovative proposals that seek to work with marinas, ports, and the fishing industry to significantly reduce the occurrence of debris in these areas. Technology proposals to test new innovations in gear development to prevent loss or make the gear stop fishing or entangling if lost are also of high priority and strongly encouraged this year. In addition, the Program is accepting research proposals that address the biological, social, or economic impact of marine debris on species, habitat, and coastal businesses. Proposals that assess marine environments that may serve as "sinks" for debris, examine impacts by debris type to both habitat and species, and that compare costs/benefits of removal efforts are of particular interest to the Program.

**NSF, CubeSat-based Science Missions for Space Weather and Atmos-**
Deadline: 05/28/08, 02/10/09
Scope: The goal of the program is to execute small scientific satellite missions to advance space weather and atmospheric research. Equally important, it will provide essential opportunities to train the next generation of experimental space scientists and aerospace engineers. The program will support the development, construction, launch, and operation of small satellite systems as well as the distribution and analysis of the science data from the missions.
Funding: Typical awards from this competition are expected to be $100,000 - $300,000 per year for 3 to 4 years, not to exceed a total of $900,000. The sponsor expects to fund approximately 3 to 6 awards depending on the quality of submissions and the availability of funds.
Objectives: Awards funded through this solicitation are for science missions to include design, construction, testing and operation of satellites as well as data distribution and scientific analysis. To be considered for an award, proposals must describe complete science missions, including all of the above components. Leverage of other funding sources is allowed and encouraged. In the case that only partial funding for a mission is sought through this solicitation, a complete description of the mission is still required for the proposal and the proposal will be evaluated based on the full mission. The forming of appropriate collaborations that cover all the necessary areas of expertise within space science as well as aerospace engineering is also strongly encouraged. Emphasis of this solicitation is on space weather research but proposals for missions within other areas of atmospheric sciences will also be considered.

SOCIAL / BEHAVIORAL

NSF, Virtual Organizations as Sociotechnical Systems [96142]
Deadline: 06/02/08
Scope: The sponsor supports scientific research directed at advancing the understanding of what constitutes effective virtual organizations and under what conditions virtual organizations can enable and enhance scientific, engineering, and education production and innovation. Levels of analysis may include (but are not limited to) individuals, groups, organizations, and institutional arrangements. Disciplinary perspectives may include (but are not limited to) anthropology, complexity sciences, computer and information sciences, decision and management sciences, economics, engineering, organization theory, organizational behavior, social and industrial psychology, public administration, and sociology. Research methods may span a broad variety of qualitative and quantitative methods, including (but not limited to): ethnographies, surveys, simulation studies, experiments, comparative case studies, and network analyses.
Funding: The sponsor anticipates providing up to 10 to 15 new awards. Award sizes are expected to range from $50,000 to $400,000 in total costs (including indirect costs) for the period of the grant with durations up to three years.
Objectives: Funded research must be grounded in theory and rooted in empirical methods. It must produce broadly applicable and transferable results that augment knowledge and practice of virtual organizations as a modality. The sponsor does not support proposals that aim to implement or evaluate individual virtual organizations.

Guggenheim (Harry Frank) Foundation, Research Grants [01014]
Deadline: 08/01/08
Scope: Support is provided to individuals for research in any of the natural and social sciences and the humanities that will increase understanding of the causes, manifestations, and control of violence, aggression, and dominance.
Funding: Awards normally range from $15,000 to $40,000 per year for one or two years. Awards ordinarily may not exceed three years in any case.
Objectives: Highest priority is given to research that can increase understanding and lead to amelioration of urgent problems of violence, aggression, and dominance in the modern world. Particular questions that interest the foundation concern violence, aggression, and dominance in relation to social change, the socialization of children, intergroup conflict, interstate warfare, crime, family relationships, and investigations of the control of aggression and violence.

ASA, Fund for the Advancement of the Discipline [02419]
Deadline: 06/15/08
Scope: The sponsor provides support to nurture the development of scientific knowledge by funding small, ground-breaking research initiatives and other important scientific research activities in sociology. The awards are limited to individuals with PhD degrees or the equivalent.
Funding: The amount of each award shall not exceed $7,000.
Objectives: The awards provide scholars with small grants for innovative research that has the potential for challenging the discipline, stimulating new lines of research, and creating new networks of scientific collaboration. The award is intended to provide opportunities for substantive and methodological breakthroughs, broaden the dissemination of scientific knowledge, and provide leverage for acquisition of additional research funds.

NSF, Methodology, Measurement and Statistics--General Research and Infrastructure Activities [76933]
Deadline: 08/16/08
Scope: The sponsor supports the development of innovative methods and models for the social and behavioral sciences.
Objectives: The sponsor supports a broad portfolio of research and infrastructure activities that fall within the following areas:
The development, application, and ex-
Developmental Systems--The Plant, Fungal and Microbial Development programmatic area supports research that addresses developmental processes in plants from algae to angiosperms, microbes and fungi. Animal Developmental Systems--Animal Developmental Systems programmatic area supports research that seeks to understand the processes that result in the complex phenotype of animals. Because different organisms may be more amenable to certain approaches than others, analyses of development in a wide range of different species are encouraged.

Evolution of Developmental Systems--The Evolution of Developmental Systems programmatic area supports research to discover the developmental processes shared by all organisms and those singular ones that produce diversity (phenotypic variation within a species and/or between species). What developmental changes have given rise to new phenotypes? How are gene networks modified to generate different phenotypic outcomes? To answer these and other evolutionary questions will likely require inter-disciplinary and collaborative approaches using a wide range of model systems.

NSF, Behavioral Systems [91747]
Deadline: 07/12/08
Scope: The sponsor supports research on the development, function, mechanisms and evolutionary history of behavior, with emphasis on a vertically integrated understanding of the behavioral phenotype.
Objectives: The sponsor supports research on the development, function, mechanisms and evolutionary history of behavior, with emphasis on a vertically integrated understanding of the behavioral phenotype. To foster this integrative goal, the sponsor specifically encourages projects that seek to understand how combinations of neural, hormonal, physiological and developmental mechanisms act synergistically as a system from which behavior emerges. Laboratory work or the study of animals in captivity is encouraged, to the extent that it contributes to the understanding of behavior in natural systems.

NSF, Complexity and Interacting Systems in the Social, Behavioral and Economic Sciences [95044]
Deadline: 07/15/08
Scope: The sponsor plans to augment funding in its regular programs in order to encourage submission of proposals that advance understanding of complexity and interacting systems phenomena in SBE fields.
Objectives: Topics might include, but are not limited to: projects that advance understanding of emergent phenomena in behavioral and social systems, such as the emergence of creative breakthroughs in a scientist or artist; or of major structural shifts in the history of language; or of skilled behaviors like walking or talking; or of norms in a fictional online community; projects that examine stability and transformation in behavioral and social systems, such as the political systems tipping from stability to instability; a sudden cascade of suicidal behavior in a population of teenagers; or stability in the face of strong perturbations, such as the resilience of communities faced with serious natural disasters; projects examining complex interdependent, multi-scale and emergent behavioral, neural, cognitive, or social phenomena by building on, for example, scaling analyses; recurrence quantification; graph-theoretic, time-series, or symmetry-group techniques; and advances in theory and methods to validate results from models or simulations of complex systems.
Prospective SBE complexity proposals can involve data from field, lab or simulations. Proposals may, when submitted through our Science and Technology Studies Program, examine philosophical, sociological, ethical or policy implications of complexity in SBE fields.
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

**PRE AWARD**

Maria Nakamura  
Associate Director  
Nakamura@oswego.edu  
(315)312-2884

Linda Cook  
Administrative Assistant  
Lcook@oswego.edu  
(315)312-2561

**POST AWARD**

Maria Nakamura  
Associate Director  
Nakamura@oswego.edu  
(315)312-2884

Michele Frazier  
Staff Associate  
Mfrazier@oswego.edu  
(315)312-2886

Lorie Robert  
Secretary 1  
Lrobert@oswego.edu  
(315)312-2888

Andrea Ross  
Administrative Assistant  
Ross@oswego.edu  
(315)312-2890