

Research Notes ~ October 2002

A New Facility of the University of Miami for Satellite Data Reception and Analysis at Richmond

The Center for Southeastern Tropical Advanced Remote Sensing (CSTARS) is the University of Miami's newest facility conducting research with remotely sensed data received from earth-orbiting satellite systems. CSTARS, part of the Rosenstiel School of Marine and Atmospheric Science, is located at a new campus near Richmond Heights in southern Miami-Dade County. Two years ago, the University of Miami purchased the US Naval Observatory Secondary National Time Standard Facility, which consists of 78 acres with several buildings and a 20M antenna used for Very Long Baseline Interferometry (VLBI). This campus is being used for the establishment of a high capability receiving and analysis facility for X-band satellite data (CSTARS), to support scientific communications with the Antarctic via the 20M antenna (supported by the National Science Foundation), and management of high seas data collection (SeaKeepers).

The CSTARS satellite data collection and analysis facility consists of operator, computer and analysis spaces which facilitate real time acquisition, analysis and archiving of data from several satellites such as RadarSat, SPOT, TERRA/AQUA, ERS-2 and Envisat, as well as future systems. Satellite remotely sensed imagery have been used to monitor ocean and lake surface conditions, to assess the extent of clear cutting in tropical rain forests, to assess vegetation health in agricultural regions, and to monitor water levels in marshy areas. The health of wetland communities can be assessed and monitored on a regular basis. Initial scientific research foci include the monitoring of wind fields under hurricanes, deformation of volcanoes associated with eruptions, land subsidence due to water and mineral extraction, coral reef health, land use cover change and ocean wave climatologies.

For the past four months, the Richmond Campus has been a major construction site with workers busily modernizing the mechanical, electrical and air-conditioning systems of the existing facilities and renovating several buildings. Thousands of feet of new electrical wiring and optical fiber have been installed to handle the demand of communications and power requirements for the new facilities. A new 400 KVA backup generator provides power to the campus for more than three days in the event of a storm or longer period power outages.

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For more information about research at the University, visit <http://www.miami.edu/research>
All issues of *Research Notes* are available at <http://www.miami.edu/research>

RESEARCH NOTES

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Funding Opportunities



Arts, Humanities & Social Sciences

AAUW Educational Foundation Postdoctoral Research Leave Fellowships

Deadline: November 15, 2002

AAUW provides support for women seeking funds for postdoctoral research leave (one year award of \$30,000). Fellowships are available in the arts and humanities, social sciences, and natural sciences. Awards are made to women who will have earned a doctoral degree by Nov. 15, 2002. In all, twenty postdoctoral fellowships are available; one is designated for a woman from an underrepresented group in any field. For details, see <http://www.aauw.org/3000/fdnfelgra/americanbd.html> or contact foundation@aauw.org.



American Philosophical Society Sabbatical Fellowships for the Humanities & Social Sciences

Deadline: November 1, 2002

This program provides a \$40,000 award to supplement an awarded sabbatical/research leave. Eligible applicants are mid-career faculty of universities and 4-year colleges in the United States who have been granted a sabbatical/research leave, but for whom financial support from the parent institution is available for only part of the year. See the full announcement at <http://www.amphilsoc.org/grants/sabbat.htm> for complete eligibility requirements, or contact eroach@amphilsoc.org with questions.



NSF/SBE Cultural Anthropology

Deadline: January 1, 2003

The Cultural Anthropology Program promotes basic scientific research on the causes and consequences of human social and cultural variation. The program solicits research proposals of theoretical importance in all substantive and theoretical subfields within the discipline of Cultural Anthropology. For more information, see <http://www.nsf.gov/sbe/bcs/anthro/start.htm>.



Social Science Research Council Grants for Research Collaboration in Conflict Zones

Deadline: February 1, 2003

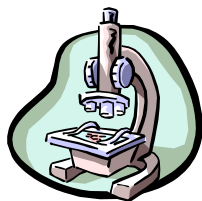
The sponsor provides grants of up to \$18,000 to qualified teams of two or more scholars and/or practitioners currently residing or working in places where there are long-standing, intractable, or widespread violent conflicts. These grants are designed to support new perspectives and approaches to understanding and ameliorating the root causes of conflict in those regions. Projects should also address the practices, policies, and politics of actors involved in conflict prevention and in the processes of peace-building, peacemaking or peacekeeping. Additionally, the given research project should facilitate the creation of networks, and other forms of intellectual exchange, and should include an effort to reach broader audiences, for example, through research reports, published articles, edited volumes, web sites, workshops or symposia for the public dissemination of research findings. SSRC is interested in applications proposing innovative forms of collaboration between researchers from different professional backgrounds such as academics, NGO activists, journalists, lawyers, and others. Contact gsc@ssrc.org or http://www.ssrc.org/fellowships/gsc/conflict_peace_and_social_transformations/CZ.page.



Blakemore Foundation Blakemore Refresher Grants

Deadline: January 15, 2003

The sponsor provides funding to college professors and postdoctoral professionals for short-term language study less than one full academic year in length. Eligible languages include Chinese, Tibetan, Khmer, Burmese, Thai, Japanese, Vietnamese, Malaysian, Korean, and Indonesian. Applicants must be pursuing an academic, professional or business career that involves the regular use of a modern East or Southeast Asian language and be at or near an advanced level in the given language. For complete eligibility requirements, visit <http://www.blakemorefoundation.org/Refresher.htm> or contact blakemore@perkinscoie.com.



Biomedical and Health

National Kidney Foundation Enuresis Research Grant

**Deadline: January 2, 2003 for letter of intent;
February 15, 2003 for application**

This program is designed to stimulate research that will contribute to the understanding and cure of enuresis. Projects in any area of enuresis research will be considered: basic, clinical, epidemiological, or behavioral. A minimum of two years experience as an allied healthcare professional, Ph.D., or M.D. in one of the following areas is required: pediatrics, pediatric urology, pediatric nephrology, child psychology, behavioral medicine or continence nursing. Visit <http://www.kidney.org/professionals/research/> or contact dolph@dc.kidney.org for information.



National Kidney Foundation

Deadline: November 15, 2002

The objective of the Clinical Scientist Award is to support investigators who have demonstrated outstanding clinical or basic research potential to promote their continued success as independent investigators. The award provides salary support for three years to enable recipients to devote at least 75% of their time to research for the duration of the award. Applicants will generally have 5-10 years of postdoctoral research experience in nephrology by the beginning of the award date, and hold an academic rank not higher than an Associate Professor.

The purpose of NKF Research Fellowships is to: (1) foster training of young and new investigators with the potential of making contributions to the understanding and cure of kidney diseases; (2) foster, through training fellows, kidney-related research that is of high merit; and (3) encourage high quality applicants who want to make a career change into academic Nephrology. Applicants can apply for either a one or two-year fellowship award.

The purpose of the Young Investigator Grant Program is to support research in the fields of nephrology, urology and related disciplines by individuals who have completed fellowship training and who hold junior faculty positions at university-affiliated medical centers in the United States. Young Investigator Grants are primarily intended to support research by individuals holding M.D. or Ph.D. degrees who are

commencing careers on the faculty of medical schools or research institutions. In all cases the applicant's research and career goals must be directed to the study of normal or abnormal kidney function or of diseases of the kidney and urinary tract.

For eligibility requirements for these three programs, see <http://www.kidney.org/professionals/research>.

National Kidney Foundation/Ocean Spray Cranberries Urinary Tract Health Research Grant Program

Deadline: February 1, 2003

This grant is designed to stimulate investigator-initiated studies of non-pharmacologic approaches to the prevention and management of urinary tract infections (UTI). One of the goals of the program is to encourage investigators from related fields to undertake such research and develop a career interest in alternative approaches to avoidance and treatment of UTI. Eligible candidates possess a doctoral degree in an appropriate discipline, hold a full-time faculty appointment at an academic institution in the US, and have a demonstrated ability to conduct research projects concerning UTI. See <http://www.kidney.org/professionals/research> or contact info@kidney.org for information.



Florida Department of Health Biomedical Research Program

Deadline: November 13, 2002

The FL Department of Health announces funding availability under the Florida Biomedical Research Program (Section 215.5602, Florida Statutes), to Florida universities or established non-profit research institutes for biomedical research initiatives addressing the prevention, diagnosis and treatment of tobacco-related diseases such as cancer, cardiovascular disease, pulmonary disease and stroke. New Investigator Research projects (up to \$150,000 each) and Small-Business Technology Transfer projects (up to \$50,000 each) will be funded. For further information, contact Catherine_Hughes@doh.state.fl.us or visit http://www.doh.state.fl.us/Disease_ctrl/epi/biomed/index.html.



American Association for the Advancement of Science Fellowships in Global Security

Deadline: January 10, 2003

AAAS fellows will spend one year working within legislative and executive branch agencies to bring public health and medical expertise to bear on issues relating to biological weapons, bioterrorism nonproliferation and federal-response planning efforts. The fellowship is designed to facilitate a multifaceted, cross-disciplinary approach to the issue of biological threats by bringing biomedical and public health experts together with

experts from intelligence, arms control and law enforcement communities to shape federal policy. Fellows will gain expertise in national strategy as it applies to biological weapons, the architecture of federal response efforts, international arms control agreements and negotiations, and mechanisms of governmental funding for all these efforts. For information, see <http://fellowships.aaas.org/nti/> or contact science_policy@aaas.org.

NIH/NCCAM

**Complementary and Alternative Medicine (CAM)
Therapy in the Treatment of HIV/AIDS
(RFA-AT-03-001)**

**Deadline: November 11, 2002 for letter of intent;
December 10, 2002 for application**

NCCAM provides support for research to identify potential roles for the safe and effective use of complementary and alternative medicine (CAM) in the treatment of HIV/AIDS and its complications, or to ameliorate medication side effects. The objectives of this initiative are to: (1) identify safe and effective CAM therapies that have potential roles in treating HIV/AIDS and its complications, or to ameliorate medication side effects; (2) establish possible synergistic combinations of CAM and conventional treatments for HIV; and, (3) understand mechanisms of action of CAM therapies that have the potential for contributing to the treatment of HIV/AIDS and its complications, or to ameliorate medication side effects. Studies may range from basic through clinical studies, including in vitro, animal model, phase I human trials, and small phase II trials. Visit <http://grants1.nih.gov/grants/guide/rfa-files/RFA-AT-03-001.html> or contact mj145m@nih.gov for details.



NIH/NINR

**Enhancing Adolescent Health Promotion Across
Multiple High Risk Behaviors**

Deadline: February 1, 2003

This announcement seeks applications that identify the determinants of health promoting and health compromising behaviors among adolescents and identify and evaluate interventions and methodologies that show promise for improving the health profiles of adolescents by assessing, preventing, reducing and or ameliorating high-risk behaviors. This program will place emphasis on six priority health risk behaviors that contribute to the leading causes of mortality and morbidity among youth and adults: (1) tobacco use, (2) unhealthy dietary behaviors, (3) inadequate physical activity, (4) alcohol and other drug use, (5) sexual behaviors, and (6) unintentional (accidents) and intentional behaviors (firearm related injuries). Investigators responding to this announcement are required to target two or more of the high-risk behaviors in a single application. For more information, see the full announcement at <http://grants2.nih.gov/grants/guide/pa-files/PA-02-159.html> or contact janice_phillips@nih.gov.

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Send an e-mail to listserv@listserv.miami.edu
the body of the message, type: SU

NIH/NINR

**Mentored Research Scientist Development Award for
Minority Investigators (RFA-NR-03-001)**

**Deadline: November 15, 2002 for letter of intent;
December 16, 2002 for application**

This program provides support for the research career development of doctorally prepared minority nurse investigators in tenure-earning positions at Traditionally Minority Based Institutions (TMBIs) and at majority academic institutions in the biomedical and behavioral scientific mission areas of the NINR. The purposes of this program initiative are to: foster the development of independent investigators in nursing research on the faculties of TMBIs and majority academic institutions; stimulate nursing research and nursing research training at these institutions; and encourage the development of qualified minority nurse investigators in academic research settings who can become effective role models for minority students. Candidates must be from ethnic/racial groups determined by the applicant institution to be underrepresented in biomedical or behavioral nursing research. For complete eligibility requirements, see the full announcement at <http://grants.nih.gov/grants/guide/rfa-files/RFA-NR-03-001.html> or contact janice_phillips@nih.gov.



NIH/NINR

**Informal Caregiving Research for Chronic
Conditions**

Deadline: February 1, 2003

This program targets studies of informal caregiving to improve caregiver health and quality of life, caregiving processes, and caregiving effectiveness and health outcomes. A key aspect is to encourage research to advance science-based knowledge of informal caregiving, with attention to the caregiver. All caregiving populations are of interest, including understudied populations (such as caregivers of children or adolescents); ethnic/racial minority, gay/lesbian, and highly stressed/overwhelmed caregivers; and studies of diverse populations, including urban, inner city, rural, and other understudied groups. Age groups across the lifespan, including young or older caregivers, and both genders should be considered. Various levels of intensity of informal caregiving are of interest, ranging from a few hours per week to constant and vigilant caregiving. For information and a list of suggested research topics,

see <http://grants.nih.gov/grants/guide/pa-files/PA-02-155.html> or contact nell.armstrong@nih.gov.

NIH/NIDDK

Bench to Bedside Research on Type 1 Diabetes and Its Complications (RFA-DK-03-001)

**Deadline: January 29, 2003 for letter of intent;
February 26, 2003 for application**

In these "bench to bedside" research partnerships, a team of clinical and basic scientists will conduct collaborative research that will bring basic research advances from the laboratory to a point where a potential new therapy can be tested in patients or in preclinical studies in animal models. The overall objective is to stimulate translational diabetes research by encouraging the formation of collaborative research teams composed of basic and clinical scientists focused on specific projects that have the potential to develop new therapies for type 1 diabetes or its complications. It is expected that the combined expertise of investigators will foster the development of a basic research finding to the point where the underlying hypothesis can be tested in a clinical trial or an animal model to assess its value in the treatment and/or prevention of type 1 diabetes or its complications. Visit <http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-03-001.html> or contact ShinoK@extra.niddk.nih.gov for more information.

Sciences & Mathematics

NSF/Division of Earth Sciences

December 1, 2002

For information about the following programs, see the full announcement at <http://www.geo.nsf.gov>.

- The **Geophysics** program supports laboratory, field, theoretical, and computational studies related to composition, structure, and processes of the earth's interior. Contact dfountai@nsf.gov for more information.
- The **Hydrologic Sciences** program supports research that is interactive on a wide range of space and time scales with the ocean, atmospheric, solid earth, and plant and animal sciences. Contact ldjames@nsf.gov for more information.
- The **Petrology and Geochemistry** program supports basic research that uses any combination of field,

analytical, experimental and theoretical approaches to explore the nature, origin, and temporal evolution of planet Earth's crust, mantle, and core. Contact gmattiol@nsf.gov for more information.

- The **Tectonics** program supports studies in structural geology, tectonics, geochronology, petrology, paleomagnetism, and other fields related to understanding the tectonic history of the lithosphere through time. Contact agoldste@nsf.gov for more information.

American Society for Microbiology Postdoctoral Research Associates Program in Infectious Diseases and Public Health Microbiology

Deadline: November 15, 2002

The goal of the fellowship is to support the development of new approaches, methodologies and knowledge in infectious disease prevention and control in areas within the public health mission of the CDC. The fellowship allows one to perform research in residence at the National Center for Infectious Diseases (NCID) which is headquartered at the Centers for Disease Control and Prevention (CDC) in Atlanta, GA. Eligible fields of study include: Bacterial and Mycotic Diseases; Viral and Rickettsial Infections; Nosocomial Infections; HIV/AIDS; Vector-borne Infectious Diseases; Sexually Transmitted Diseases; and Parasitic Diseases. Eligible applicants are individuals who either earned their doctorate degree or completed a primary residency within three years of their proposed start date. For details, see <http://www.asmsusa.org/edusrc/edu23e.htm> or contact Fellowships-CareerInformation@asmsusa.org.

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U.S.-Israel Binational Science Foundation

Deadline: November 15, 2002

The **Research Grants Program** provides support for cooperative research projects of mutual interest to the U.S. and Israel concerned with science and technology for peaceful purposes. Basic and applied research projects are considered. The **Start-up Grant** provides seed money to young independent scientists. Grants are intended to support the first investigative efforts of an individual, i.e., to provide a reasonable opportunity to demonstrate originality, productivity, innovation and further promise, to facilitate a feasibility study and to help the transition to traditional types of the sponsor's grants.

Current areas of interest include: Ecology, physics (general and solid state, theoretical, nuclear, astronomy, astrophysics and elementary particles), chemistry (general, physical, and organic), mathematical sciences (pure, applied, statistics, computer science, artificial intelligence and neural networks), atmospheric and earth sciences (meteorology, geology, mineralogy, and global climate change), oceanography and limnology, material research, environmental research (identification and

measurement of pollutants, pollution control, management and abatement, and systematic biology), energy research (conversion, sources, conservation, and basic research), economics (economic theory and applied economics), and sociology (social stratification and mobility, ethnic groups and relations, rural and urban sociology, sociology of organizations, sociology of culture, sociological theory, social deviance, sociology of family, and cultural and social anthropology). For information and eligibility requirements, see <http://www.bsf.org.il> or contact bsf@vms.huji.ac.il.

**Dreyfus Foundation
Camille Dreyfus Teacher-Scholar Awards Program**

Deadline: November 15, 2002

The sponsor provides support to strengthen the teaching and research careers of talented young faculty in the chemical sciences. Institutions that grant a bachelor's or higher degree in chemistry, chemical engineering or biochemistry are eligible to submit one nomination annually. Nominees must hold a full-time tenure-track academic appointment and are normally expected to be within the first five years of their independent academic careers. In general, fifteen awards of \$60,000 each are made annually. For information, visit <http://www.dreyfus.org/tc.shtml> or contact admin@dreyfus.org.

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**NSF/Directorate for Mathematical and Physical
Sciences**

Deadline: November 15, 2002

- The **Extragalactic Astronomy and Cosmology** program supports theoretical and observational studies of extragalactic objects, ranging from nearby galaxies to the most distant quasars, and their relevance to galactic evolution and cosmology.
- The **Galactic Astronomy** program supports theoretical and observational studies of the structure and evolution of the Milky Way galaxy and nearby galaxies.
- The **Planetary Astronomy** program supports theoretical and observational studies of the detailed structure and composition of planetary surfaces, interiors, atmospheres, and satellites; the nature of small bodies such as asteroids and comets; and the origin and development of the solar system.
- The **Stellar Astronomy and Astrophysics** program supports theoretical and observational studies of the structure and activity of the Sun and other stars; the physical properties of all types of stars; all aspects of star formation and stellar evolution; stellar nucleosynthesis; and the properties of atoms and molecules that are relevant to stellar astronomy.

Typical awards range from \$40,000 to \$150,000, and have a mean duration of three years. For details, visit http://www.nsf.gov/mps/divisions/ast/about/c_programs.htm or contact gvancitt@nsf.gov.

How are we doing?

Send your questions, comments and
suggestions for future issues to
shallock@med.miami.edu

**NSF/Directorate for Computer and Information
Sciences and Engineering
Division of Information and Intelligent Systems**

Deadline: November 16, 2002

- **Human Computer Interaction** supports research fundamental to the design of systems that mediate between computers and humans.
- **Knowledge and Cognitive Systems** supports research fundamental to the development of machines that behave intelligently. This can be in conjunction with humans (computer-aided machine intelligence) or alone (autonomous intelligent agents).
- **Robotics and Human Augmentation** supports research fundamental to the design of machines and systems that implement some characteristics of intelligence and are capable of performing function that require generating mechanical motion. Robots and other machines that can serve effectively to augment human activities would be a primary example here.
- **Special Projects** support is provided for research activities exploring new relationships between computing, communication and digital content from human centered perspectives in order to support communities of users in scholarly, social and work contexts. The program promotes interdisciplinarity and topical fusion.
- The **Information and Data Management** program is intended to build a "new generation" of distributed, interoperable, multi-media, intelligent, dynamic information systems capable of sophisticated and efficient information processing. Research pertinent to this goal involves investigation of novel concepts, or the combination and extension of conventional concepts and systems.

For information on these programs, see http://www.interact.nsf.gov/cise/descriptions.nsf/iis_programs?OpenView or contact mlesk@nsf.gov.

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**Society for General Microbiology
International Research Fellowships**

Deadline: November 29, 2002

The purpose of this award is to allow scientists to travel to or from the UK or the Republic of Ireland in order to carry out a defined piece of research in any field of microbiology. The visits may be up to three months duration. Applicants must be established scientists of at least postdoctoral level who are practicing microbiologists. For information, see http://www.sgm.ac.uk/PA/gran_fun/irf.htm or contact grants@sgm.ac.uk.

**American Association of University Women
Educational Foundation
Postdoctoral Research Leave Fellowships**

Deadline: November 15, 2002

AAUW provides support for women seeking funds for postdoctoral research leave (one year award of \$30,000) from accredited institutions. Fellowships are available in the arts and humanities, social sciences, and natural sciences. Awards are made to women who will have earned a doctoral degree by Nov. 15, 2002. There are no restrictions on the location of study, or age of the applicant. In all, twenty postdoctoral fellowships are available; one is designated for a woman from an underrepresented group in any field. For details, see <http://www.aauw.org/3000/fdnfelgra/americanbd.html> or contact foundation@aauw.org.

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**Department of Defense
Multidisciplinary Research Program of the
University Research Initiative**

Deadline: November 20, 2002

The MURI program supports basic science and engineering research of critical importance to national defense. The program is focused on multidisciplinary research efforts that intersect more than one traditional science and engineering discipline. By supporting multidisciplinary teams, the program is complementary to other DoD programs that support university research through single-investigator awards. Full details of the program and submission procedures are contained in the Broad Agency Announcement document and the Proposal Information Package, available at <http://www.onr.navy.mil>. Contact lauc@onr.navy.mil with questions.

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**NSF/Directorate for Computer and Information
Sciences and Engineering
Digital Society and Technologies**

Deadline: November 16, 2002

This program encourages and supports research in two broad and highly interrelated areas: (1) integration, sustainable use, and impacts of information technology in groups, organizations, communities, and societies; and (2) theories and technologies for reasoning,

decision-making, interaction, and collaboration in groups, organizations, communities, and societies. The research addresses issues and technologies at the level of groups, organizations, communities, and societies, and human-centered as well as technological aspects. For details, see <http://www.interact.nsf.gov/cise/descriptions.nsf/PD/dst> or contact siacono@nsf.gov.

Chemical Heritage Foundation

Charles C. Price Fellowship in Polymer History

December 1, 2002

The Price Fellow will spend nine months in residence at Chemical Heritage Foundation in Philadelphia, PA making use of the sponsor's Othmer Library of Chemical History and other area resources. Preference will be given to candidate whose projects deal with polymer history; however, applications in other fields - such as history of chemistry, petrochemicals, pharmaceuticals, and biotechnology - are also encouraged. For details, contact fellowships@chemheritage.org or visit <http://www.chemheritage.org/HistoricalServices/Scholars/pricefellow.htm>.

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**American Mathematical Society
Centennial Fellowships**

Deadline: December 1, 2002

The sponsor provides fellowships to outstanding mathematicians to help further their careers in research. A recipient of the fellowship shall have held his or her doctoral degree for at least three years and not more than twelve years at the inception of the award. Applications will be accepted from those currently holding a tenured, tenure track, post-doctoral, or comparable (at the discretion of the selection committee) position at an institution in North America. See <http://www.ams.org/employment/centflyer.html> or contact ams@ams.org for details.

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Click on the **SPIN/GENIUS/SMARTS** quick link to access these research resources. SPIN is a searchable database of over 10,000 funding opportunities updated daily. Use GENIUS to collect faculty and research CV-related information and identify potential collaborators. SMARTS is a program that matches keywords in your research profile to pertinent funding

Funding Awards Received in August 2002

Coral Gables Campus

College of Arts & Sciences

Antoni, Michael Psychology	Center for Psycho-Oncology Research NIH/NCI, Continuation (9/1/02 – 8/31/03)	2,158,930
Deutsch, Rita Office of the Dean	Peace Corps Campus Recruiter 2002-2003 Peace Corps, New (8/1/02 – 7/31/03)	12,833
Gawley, Robert Chemistry	Synthetic Studies of Chiral Organometallics NIH/NIGMS, Continuation (9/1/02 – 8/31/03)	208,380
Greenfield, Daryl Psychology	A Multi-site, Multi-method Partnership for Improving Florida Headstart Children's School Readiness DHHS/Administration for Children and Families, Continuation (9/30/02 – 9/29/03)	150,000
Ironson, Gail Psychology	Longitudinal Analysis of Depression, Hopelessness, and Personality Among HIV Seropositive Participants in the Positive Survivors Research Study NIH/NIA, New (8/1/02 – 7/31/03)	96,250
Katz, Lynne Psychology	Infant Mental Health State of Florida Department of Children and Families, Continuation (7/1/02 – 6/30/03)	70,000
Malik, Neena Psychology	Infusing Infant Mental Services DHHS/Administration for Children and Families, New (9/1/02 – 8/31/03)	198,374
Schneiderman, Neil Psychology	Biopsychosocial Research Training in Immunology and AIDS NIH/NIMH, Continuation (7/1/02 – 6/30/03)	269,239
Schneiderman, Neil Psychology	Biobehavioral Bases of CHD Risk and Management NIH/NHLBI, Continuation (8/1/02 – 7/31/03)	2,051,734
Scott, Keith Psychology	Children's Registry and Information System Florida Department of Education, New (7/1/02 – 8/31/03)	243,050
Scott, Keith Psychology	FDLRS Specialized Center Discretionary Project – Children's Registry & Information Services (CHRIS) Florida Department of Education, Additional (8/3/01 – 8/31/02)	279,050
Sternberg, Leonel Biology	Environmental Protection Agency Fellowship for Tara Greaver EPA, New (8/15/02 – 8/14/03)	34,000
Sternberg, Leonel Biology	Free Air Respiratory Carbon Isotope Enrichment Experiment National Institute for Global Environmental Change/University of Alabama, New (7/1/02 – 6/30/04)	60,705
Sullivan Sealey, Kathleen Biology	Coastal Ecology and Development Policy in the Bahamian Archipelago Environmental Defense, New (7/1/02 – 5/31/03)	7,500

Total for College of Arts & Sciences

\$5,840,045

School of Business Administration

Hirano, Keisuke Economics	CAREER: Bayesian Econometric Modeling and Nonparametric Identification NSF, Grant Transfer (2/12/02 – 8/31/03)	58,437
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Total for the School of Business Administration

\$58,437

School of Education

Blanton, William Teaching and Learning	European Exchange U.S. Department of Education, Continuation (10/1/02 – 9/30/03)	70,541
Montague, Marjorie Teaching and Learning	Special Education – Personnel Preparation to Improve Services and Results for Children with Disabilities U.S. Department of Education, New (9/1/02 – 8/31/03)	186,234
Schumm, Jeanne Teaching and Learning	Evaluation of South Florida Annenberg Challenge Program South Florida Annenberg Challenge, Inc., Additional (7/1/02 – 6/30/03)	25,200
Signorile, Joseph Exercise & Sport Sciences	Stein Gerontological Institute GA Contract Stein Gerontological Institute, New (8/15/02 – 5/15/03)	33,000
Valle-Riestra, Diana Teaching and Learning	Special Education-Personnel Preparation to Improve Services and Results for Children with Disabilities U.S. Department of Education, New (8/15/02 – 8/14/03)	199,975

Total for School of Education **\$514,950**

College of Engineering

Cheung, Herman Biomedical	Stein Gerontological Institute Research Project Stein Gerontological Institute, New (8/1/02 – 7/31/03)	16,000
Solo-Gabriele, Helena Civil, Architectural and Environmental	Extent of CCA-Treated Wood Used for Commercial Mulch University of Florida/Florida Center for Solid and Hazardous Waste Management, New (7/1/02 – 10/31/03)	10,000
Solo-Gabriele, Helena Civil, Architectural, and Environmental	Collaborative Research: Florida Interdisciplinary Center for Environmentally Sound Solutions – Subcontract with University of Florida NSF, New (4/15/02 – 3/31/05)	34,163
Yang, Xudong Civil, Architectural, and Environmental	Evaluation of VOC Exposures in Ventilated Rooms NIH/NIOSH, Continuation (9/30/02 – 9/29/03)	52,308

Total for College of Engineering **\$112,471**

Lowe Art Museum

Dursum, Brian	General Operating Support Florida Department of State, New (7/1/02 – 6/30/03)	120,219
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Total for the Lowe Art Museum **\$120,219**

School of Music

Cooper, Frank	Cultural History of 18 th Century Haiti Florida Department of State, New (7/1/02 – 6/1/03)	7,557
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Total for School of Music **\$7,557**

School of Nursing

Williams, Christine	Culturally Sensitive Models of Stroke Recovery and Care-giving After Discharge Home Department of Veterans Affairs, New (5/1/02 – 4/20/03)	20,400
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Total for School of Nursing **\$20,400**

**Office of the Vice
Provost for Research**

Braunschweiger, Paul	Web-based Course in the Protection of Human Research Subjects for the Department of Energy Employees and Affiliates U.S. Department of Energy, New (8/14/02 - 6/30/03)	59,680
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Total for the Office of the Vice Provost for Research **\$59,680**

School of Medicine

Altman, Norman Research	Human Subjects Protections at the University of Miami NIH/NCRR, New (9/1/02-8/31/03)	250,000
Arana, M./ Boehmer, P. Biochemistry	Minority Predoctoral Fellowship Program NIH/NIGMS, Continuation (9/1/02-8/31/03)	29,718
Balkany, Thomas Otolaryngology	Effects of Hearing Status on Adult Speech Production MIT/NIH, Continuation (05/01/02-04/30/03)	14,740
Brown, David Family Medicine	A Phenomenological Exploration of a Collaboration Between Family Practice and Obstetrics/Gynecology Doctors American Academic Family Physicians Fund, New (05/02-12/02)	4,441
Campo, Rafael Medicine	Clinical Trail Merck & Co., Inc., New (05/15/02-12/31/02)	9,600
Chaudhari, Nirupa Physiology & Biophysics	Molecular Physiology of Glutamate in Taste NIH/NIDCD, Continuation (03/01/02-02/28/03)	679,131
Clarkson, John Administration	General Clinical Research Center NIH/NCRR, New (08/15/02-03/31/03)	1,943,790
Contreras, Gabriel Medicine	African American Study of Kidney Disease NIH/NIDDKD, Continuation (7/1/02-6/30/03)	68,966
Davis, Stephen C. Dermatology	A New Therapy for the Warfighter TherOx, Inc./DARPA, New (06/01/02 – 06-01-04)	471,305
Dietrich, W. Dalton Miami Project	18 th – 22 nd Annual National Neurotrauma Symposium NIH/NINDS, Continuation (9/1/02-8/31/03)	28,000
Duara, Shahnaz Pediatrics	Maternal Lifestyle Study 8-11 Year Follow-up (Phase IV) NIH/NICHHD, Continuation (4/1/02-3/31/03)	531,688
Fini, Elizabeth Ophthalmology	Metalloproteinases and Failure to Reepithelialize NIH/NEI, New (7/1/02-3/31/03)	260,119
Fini, Elizabeth Ophthalmology	Repair and Regeneration in the Cornea NIH/NEI, New (7/1/02-3/31/03)	355,500
Fischl, Margaret Medicine	Department of Correction HIV Project Florida Department of Correction, Continuation (7/1/02-6/30/03)	504,820
Friedman, Lawrence Pediatrics	AETC-Adolescent Educational Services University of Florida-Subagreement, New (07/01/02 – 06/30/03)	43,526
Ginsberg, Myron Neurology	Research Center for Cerebral Vascular Disease NIH/NINDS, Continuation (6/1/02-5/31/03)	1,492,712
Ginsberg, Myron Neurology	Human Albumin Therapy-Treatment of Acute Ischemic Stroke NIH/NINDS, Continuation (8/1/02-7/31/03)	523,251
Goodkin, Karl Psychiatry	HIV, Aging and Cognition in Hispanics NIH/NIMH, Continuation (9/1/02-8/31/03)	421,397
Gruss, Catherine Pediatrics	Circuit 16 Victims of Crime Act FL State Office of the Attorney General, New (10/01/02-09/30/03)	20,712

Izenwasser, Sari Psychiatry	Behavioral Consequences of Drug Exposure in Adolescents NIH/NIDA, Non-Competitive Renewal (09/01/02 – 08/31/03)	189,375
Izenwasser, Sari Psychiatry	Development of Novel Nicotinic Receptor Mediated Therapeutic Agents NIH/NIDA/University of New Orleans, Non-Competitive Renewal (07/01/02 – 06/30/03)	127,950
Izenwasser, Sari Psychiatry	Behavioral Consequences of Drug Exposure in Adolescents NIH/NIDA, Continuation (9/1/02-8/31/03)	189,375
Jeffers, Lennox Medicine	HCV Treatment in African Americans vs. Non Hispanic White NIH/NIDDKD, Continuation (7/1/02-6/30/03)	365,000
Kolber, Michael Medicine	Florida AIDS Education and Training Center (AETC) USF, Non-Competitive Renewal (07/01/02 – 06/30/03)	45,819
Kuljis, Rodrigo Neurology	Clinical Trial Novartis Pharm Corp., New (07/19/02 – 07/18/03)	60,000
Kumar, Mahendra Psychiatry	HIV-1 & HIV-2 Co-Infection: Neurological Progression NIH/NINDS, Continuation (8/1/02-7/31/03)	454,502
Magleby, Karl Physiology/Biophysics	Mechanisms of Ionic Channel Activity NIH/NIAMS, Continuation (9/1/02-8/31/03)	293,100
Malow, Robert Psychiatry	HIV Prevention in Haitian Youth – Minority Supplement NIH/NICHD, Continuation (6/1/02-6/30/03)	4,896
Marcelin, Louis H CDRC	Haitian Youth: Risk of Drug Use and HIV Infection NIH/NIDA, Continuation (05/01/02-04/30/03)	434,705
Mason, Barbara Psychiatry	Behavioral/Pharmacologic Treatment of Alcoholism NIH/NIAAA, Continuation (9/1/02-8/31/03)	438,135
McDonald, W.Scott Surgery	Clinical Trial Wyeth Research Pharmaceutical, New (08/01/02 – 12/30/03)	87,500
Metsch, Lisa CDRC	Intervention Research Addressing the Primary & Secondary Prevention of HIV-Seropositive DHHS/CDC, Continuation (9/30/02-9/29/03)	749,762
Murray, Timothy Ophthalmology	Ocular Melanoma NIH/NEI, (8/1/02-7/31/03)	753
Namias, Nicholas Surgery	Clinical Trial GlaxoSmithKline, New (06/05/02 – 06/04/03)	40,344
Ofengand, J./Del Campo, M Biochemistry	Minority Predoctoral Fellowship Program NIH/NIGMS, New (2/3/03-2/3/04)	27,516
Page, Bryan CDRC	HIV Infection Potential in IDU-Related Injection Materials NIH/NIDA, Continuation (8/1/02-7/31/03)	390,010
Pegelow, Charles Pediatrics	MCG Stop II Extension NIH/Medical College of GA, Non-Competitive Renewal (07/01/02 – 12/31/02)	111,188
Petito, Carol Pathology	Viral Sanctuary in the Central Nervous System NIH/NINDS, Continuation (8/1/02-7/31/03)	435,183
Podack, Eckhard Microbiology	Negative CTL Regulation for Tolerance Induction NIH/NIAID, Continuation (9/30/02-6/30/03)	204,525

Potter, James Pharmacology	Troponin T and the Regulation of Contraction NIH/NIAMS, Continuation (9/1/02-8/31/03)	306,886
Preston, Richard A Medicine	Clinical Trial Pharmacia & Upjohn, New (07/29/02-05/31/05)	475,000
Preston, Richard A. Pharmacology	Clinical Trial Forest Laboratories, Inc., New (08/01/02 – 05/31/03)	57,580
Raez, Luis SCCC	Clinical Trial Aventis Pharmaceuticals Inc., New (0701/02 – 07/31/07)	205,010
Ramsay, R. Eugene Neurology	Clinical Trial Elan Pharmaceuticals, New (03/01/02-12/31/03)	35,176
Ricordi, Camillo DRI	Human Islet Distribution Program at the University of Miami JDRF, Continuation (07/01/02-06/30/03)	402,040
Rowe, Cynthia CDRC	Adolescent HIV/STD Risk-of-Exposure Screen Development Nova Research Co./NIH, New (10/01/02-09/30/03)	40,000
Santisteban, Daniel Psychiatry	Developing a Culturally Rooted Adolescent Family Therapy NIH/NIDA, Continuation (8/1/02-7/31/03)	611,378
Schwartz, Robert Family Medicine	Florida AETC Minority AIDS Initiative Project USF, New (07/01/02 – 06/30/02)	71,962
Schwartz, Robert Family Medicine	Administrative Academic Units in Primary Care: Expanding Research Infrastructure DHHS/HRSA, New (9/1/02-8/31/03)	135,000
Scott, Gwendolyn Pediatrics	Ryan White Title IV Program DHHS/HRSA, Continuation (8/1/02-7/31/03)	1,909,084
Scott, Gwendolyn Pediatrics	Fellowship in Clinical Research NIH/NHLBI, Continuation (9/1/02-8/31/03)	200,000
Sherman, Jean Psychiatry	The Take a Closer Look Project U.S. Department of Justice, New (10/01/02 – 9/30/04)	276,044
Singer, Carlos Neurology	Clinical Trial Teva Neuroscience, New (02/01/02 – 01/01/05)	38,000
Singer, Carlos Neurology	Clinical Trial GlaxoSmithKline, New (08/12/02 – 02/12/04)	115,500
Singer, Carlos Neurology	Clinical Trial Pharmacia, New (07/17/02 – 12/31/03)	79,120
Skyler, Jay Medicine	Clinical Trial Pfizer Inc., Additional (01-01-00-09/25/03)	98,647
Szapocznik, Jose Psychiatry	Florida Node of the Drug Abuse Clinical Trials Network NIH/NIDA, Continuation (9/1/02-8/31/03)	1,863,354
Szapocznik, Jose Psychiatry	Families Preventing HIV in Hispanic Adolescents NIH/NIMH, Continuation (9/1/02-8/31/03)	692,260
Tang, Shou-Chin SCCC	Clinical Trial Breast Cancer International Research Group, New (07/01/02-06/30/14)	44,000

Trapido, Edward SCCC	Education Evaluation FL Department of Health, New (07/01/02 – 06/30/03)	345,000
Webster, Keith Pharmacology	Therapeutic Angiogenesis to Treat Ischemic Disorders NIH/NHLBI, Continuation (9/1/02-8/31/03)	151,500
Total for School of Medicine		\$20,451,595
<u>RSMAS</u>		
Ault, Jerald	A Study of Population Dynamics of Scleractinians on Conch Reef: a demographic and population genetics approach. SUNY, New (6/1/02-6/30/03)	7,069
Ault, Jerald	Aerial Survey of Boater Use in Biscayne National Park DOI/NPS, New (8/21/02-9/30/03)	45,600
Bogucki, Dariusz	Improve Estimate of Gas Transfer Using Scatterometer NASA, Additional (11/1/02-10/31/03)	100,393
Die, David	An Independent System for Peer Review of Fishery Stock Assessments NOAA, Additional (7/1/02-6/30/03)	359,906
Dixon, Timothy	CSTARS: Center for Southeastern Tropical Advanced Remote Sensing: A Satellite Data Reception and Analysis Facility for Environmental Monitoring in the Southeastern US, Gulf of Mexico, Caribbean Basin NASA, New (7/15/02-7/14/03)	1,200,000
Drennan, William	Air-Sea Flux Estimation in High Wind Boundary Layers NOAA, Additional (7/1/02-6/30/03)	57,459
Drennan, William	Instrumentation for Humidity Flux Measurements in Hurricanes NOAA, Additional (7/1/02-6/30/03)	120,000
Drennan, William	Quantifying the Effects of Swell on the Air-Sea Momentum Flux NSF, New (9/1/02-8/31/05)	481,357
Fell, Jack	Exploratory Research: Presence and Biodiversity of Uncultured Fungi in Antarctic Dry Valleys NSF, New (11/1/02-10/31/03)	89,895
Fell, Jack	Molecular Approaches to Monitor Toxic Dinoflagellates FLSTA, Additional (9/1/02-7/31/03)	20,000
Hansell, Dennis	Elevated N* in the Western Sargasso Sea: Local or Non-local Origin? NSF, Additional (12/1/01-12/31/03)	107,000
Kearns, Edward	Regional Observing Systems: Observations and Pilot Studies on Board the "Explorer of the Seas" ONR, New (9/1/02-8/31/03)	302,000
Lee, Thomas	Interdisciplinary Coastal Oceanographic Observations NOAA, New (7/1/02-6/30/03)	84,476
Lee, Thomas	Real-Time Oceanographic Observations in the FKNMS NOAA, Additional (7/1/02-6/30/03)	45,260
Lee, Thomas	SFERPM 2000: Florida Bay Inner Basins Circulation and Exchange NOAA, Additional (7/1/02-6/30/03)	115,151
Lirman, Diego	Coral Size Frequency Distributions as Indicators of Reef Health: Monitoring and Modeling Approaches NOAA, Additional (7/1/02-6/30/03)	10,000

Powell, David	Shipboard Scientific Support Equipment 2002 NSF, New (8/15/02-7/31/04)	368,011
Prospero, Joseph	CIMAS - TASK I - AOML NOAA, Additional (7/1/02-6/30/03)	483,398
Prospero, Joseph	CIMAS - TASK II - AOML NOAA, Additional (7/1/02-6/30/03)	1,041,676
Prospero, Joseph	Long-Range Transport of Viable Microorganisms through the Atmosphere: the Impact of African Sources on the Caribbean NASA, New (5/1/02-4/30/03)	19,932
Christopher Meinen	Interannual Variability in Warm Water Exchange Between the Tropical Pacific and the Subtropics NSF, New (7/15/02-2/29/04)	52,692
Rodriguez, Jose	Activities as Project Scientist of the Global Modeling Initiative NASA, Additional (3/1/02-2/28/03)	167,649
Smith, Steven	Reef Fish Census and Tagging Studies Related to Marine Protected Areas in the Florida Keys National Marine Sanctuary NOAA, New (1/1/02-6/30/03)	15,000
Swart, Peter	Historical Changes in Salinity, Water Quality and Vegetation in Biscayne Bay Project DOI, New (4/1/02-3/31/03)	81,100
Williams, Neil	Assessment, Integration, Archiving and Synthesis of Coastal Storms Metadata NOAA, New (7/1/02-6/30/03)	29,502
Total for RSMAS		\$5,404,526

Total for all UM faculty \$32,589,880

Congratulations to these investigators on their success!

Need information on research involving human subjects at UM? Everything you need to know, including downloadable forms, is available at <http://www.miami.edu/research-irb>.

Bulletin Board

Workshop on Enhancing the Evidence Base for Traditional Chinese Medicine (TCM) Practice

The National Center for Complementary and Alternative Medicine (NCCAMM), in conjunction with the University of Maryland, Baltimore and the Health and Welfare Bureau, Government of the Hong Kong Special Administrative Region, is co-sponsoring a workshop, "Enhancing the Evidence Base for Traditional Chinese Medicine Practice – Methodology and Grantsmanship." This two-day workshop will address a diverse range of issues related to TCM, and will include presentations on NCCAM's Office of International Health Research, the NIH Scientific Review and Grants Management Processes, Intellectual Property Issues and Human Subject Protection, and scientific methodologies used for the study of TCM. The conference will be held at the Hong Kong Academy of Medicine, Jockey Club Building Aberdeen, Hong Kong, China on October 30-31, 2002. The program and registration form is available at <http://www.tcmwkshop.org.hk>.

OLAW Sponsored ARENA IACUC 101 Program Offered in November

The Office of Laboratory Animal Welfare (OLAW), NIH, and the Applied Research Ethics National Association (ARENA), in conjunction with Emory University School of Medicine, will present an ARENA IACUC 101 training course in Atlanta, Georgia on November 22, 2002. IACUC 101 is a full day didactic and interactive course. Participants will receive an extensive Resources Manual plus other valuable reference materials and information. The conference agenda and registration form are posted at <http://grants.nih.gov/grants/olaw/Emory.pdf>. For further information, contact wigglesc@od.nih.gov.

Call For Pilot Project Proposals: UM MFBS Center

Deadline: December 1, 2002

The University of Miami's Marine and Freshwater Biomedical Sciences Center has been sponsored by the National Institute of Environmental Health Science (NIEHS) since 1991. The two major research foci of the MFBS center are in "marine animal models relevant to environmental health" and "aquatic toxins and human health". An integral part of the operation of the MFBS Center is support of Pilot Projects which utilize the Core resources of these programs, and which seek to either develop new research activities addressing the mission of NIEHS, or which build upon existing programs in environmental health sciences related to the marine and freshwater environments. Due to an anticipated increase in our budget, approximately \$75,000 will be available to support up to three projects at approximately \$25,000 each. Proposals which utilize a Center Facility Core and/or develop or extend a collaboration with a center member will be given priority. Proposals should reflect consideration of the research interests of the Center. For research interests and a list of Core Leaders and Local Investigators, see <http://www.niehs.nih.gov/centers/center/mia-ctr.htm> and <http://www.rsmas.miami.edu/groups/niehs>.

See the full announcement at <http://www.rsmas.miami.edu/groups/niehs/science/rfp.jsp>
or contact gvandebogart@rsmas.miami.edu with questions.



IRB Items

Nonfinancial Conflicts of Interest

A recent article (Levinsky NG. *Nonfinancial conflicts of interest*. *N Engl J Med* 2002;347:759-61) has identified a particular area of concern for IRBs. There has been much attention directed at financial conflicts of interest and many IRBs are attentive to this. However, there are other kinds of conflicts of interest that can be more difficult to discern than financial conflicts. In his article, Levinsky mentions three factors that can lead to nonfinancial conflicts of interest. These are the investigator's desire to increase scientific knowledge, the investigator's career advancement and the institution's interest in improving its reputation. Another consideration is the effect of peer influences, such as pressures imposed on IRB members by colleagues.

It is clear that nonfinancial conflicts of interest could influence objectivity on the part of investigators, IRB members and institutional officials. Since its influence can be difficult to identify and quantify, there are no easy answers for its management. Levinsky suggests several measures that could be helpful. These include the acknowledgment that they exist, an expansion of audits and a more systematic compilation of adverse events. Levinsky emphasizes the importance of increasing the consciousness that nonfinancial conflicts of interest exist. This could ultimately be the most effective way to mitigate their effects.

Levinsky's article is well worth reading for all involved in human subjects research.

Submission Deadlines

	<u>Submit by:</u>	<u>Meeting on:</u>
Medical Sciences Committee for the Protection of Human Subjects in Research (MSC)	October 2, 2002	October 21, 2002
	October 9, 2002	October 28, 2002
	October 16, 2002	November 4, 2002
	October 23, 2002	November 12
	October 30, 2002	November 18, 2002
Social and Behavioral Sciences Committee for the Protection of Human Subjects in Research (SBSC)	October 3, 2002	October 17, 2002
	October 17, 2002	November 7, 2002
Animal Care and Use Committee	October 24, 2002	November 7, 2002
	November 21, 2002	December 5, 2002

Wondering about upcoming protocol submission deadlines?

Go to <http://www.miami.edu/research> and click on Research Resources for links to each IRB and the ACUC. Each committee publishes a calendar of submission and meeting dates for the entire year.



News and Notes

Senate Reports Out "The National Science Foundation Doubling Act"

On Thursday, September 5, 2002, the Senate Health, Education, Labor, and Pensions Committee reported out S. 2817, "The National Science Foundation Doubling Act." Primarily, the bill provides for a doubling of NSF funding over the next five fiscal years, from \$4.8 billion in FY 2002 to \$9.8 billion in FY 2007. Specifically, the bill authorizes the following funding levels:

- 15 percent annual increases overall.
- 16 percent annual increases in the Research and Related Activities account.
- 15 percent annual increases in the Education and Human Resources account.
- 10 percent annual increases in the Major Research Equipment and Facilities, Salary and Expenses, and Inspector General accounts.

The bill also specifically addresses several NSF activities. Math and Science Partnerships between institutions of higher education and local school districts are authorized, as is a systemic secondary school initiative to promote scientific and technological literacy, particularly in high-poverty communities. The bill provides for multi-year "Tech Talent" competitive grants to institutions of higher education to increase the number of students enrolled in science, math, engineering and technology undergraduate programs. The bill also addresses a few NSF administrative issues, most notably providing for the National Science Board to directly appoint NSB staff rather than delegating this authority to the Director of NSF as has been the practice since the NSF was established.

The bill now heads to the Senate Commerce, Science and Transportation Committee for mark-up.

A New UM Facility for Satellite Data Reception and Analysis at Richmond

(continued from cover)

A high-speed Internet backbone (2.5GBS) utilizing wave division multiplexed services over dark fiber connects the Richmond campus to the University. Two new antenna pedestals were constructed for CSTARS (11.28 meter X-band antenna systems to track low earth observing (LEO) polar-orbiting satellites). A grid of new sidewalks connects buildings and antennas and old roads and parking spaces are repaved for access. The new CSTARS satellite receiving, processing and analysis facility is fully integrated with the University's existing satellite data reception capability at the Rosenstiel School and with University consortium partners throughout Florida, the rest of the US and the world.

Office and laboratory space on the new campus is being shared between CSTARS, Antarctic satellite communications and SeaKeepers staff. Dedication of the campus and individual facilities is expected by the end of October when CSTARS will begin full operation. Support (~\$10M) for CSTARS implementation and operations is being provided by the Office of Naval Research (ONR) and the National Aeronautics and Space Agency (NASA).