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# UNIVERSITY LETTER

<http://www.und.edu/dept/our/uletter.htm>

UNIVERSITY OF NORTH DAKOTA, GRAND FORKS

Volume 38, Number 45: August 24, 2001

## Sept. 13 U Council Meeting Features State Of University Address

President Kupchella will give his State of the University address at 4 p.m. **Thursday, Sept. 13**, in the Memorial Union Ballroom. The fall meeting of the University Council will also take place at this time.

## Wakefield Named To Head Center For Rural Health

Mary Wakefield, professor of nursing and head of the Center for Health Policy, Research and Ethics at George Mason University in Fairfax, Va., has been named director of the Center for Rural Health at UND.

A native of Devils Lake, Wakefield is a former chief of staff and legislative assistant to North Dakota Senators Quentin Burdick and Kent Conrad. In 1999, she was appointed by the U.S. Comptroller General to a three-year term on the Medicare Payment Advisory Commission which is responsible for advising the U.S. Congress on the Medicare program.

Wakefield, who has been at George Mason University since 1996, will begin her duties full time with the Center for Rural Health this fall. Currently serving part time, she takes over leadership of the Center from Dean H. David Wilson, who has been interim director.

"Dr. Wakefield is nationally and internationally known for her interest in and knowledge of rural health issues," Wilson says. "She brings vision, vast knowledge and incredible energy to our Center for Rural Health. I am confident she will provide essential leadership and that her efforts will greatly benefit the medical school, the University and the state of North Dakota."

As director of the Center for Rural Health, Wakefield will oversee and direct the efforts of 10 staff members involved with research, education, policy analysis and community development activities concerning rural health issues in North Dakota.

"North Dakota has always been home to me," she says, "even throughout the past 14 years I've worked primarily out of state."

The Center, one of the oldest rural health offices in the nation, was formed in 1980. Its last permanent director was Jack Geller, who resigned in 1996. Brad Gibbens is associate director of the Center.

Wakefield served as chief of staff for U.S. Sen. Kent Conrad from 1993 to 1996 and as legislative assistant and chief of staff for Sen. Quentin Burdick from 1987 to 1992. Throughout her tenure on Capitol Hill, she advised on a range of public health policy issues,

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### Wakefield Named To Head Center For Rural Health, continued

drafted legislative proposals, and worked with interest groups and other Senate offices.

From 1987 to 1992, she co-chaired the Senate Rural Health Caucus Staff Organization. In this capacity, she was directly involved with a wide range of rural health policy issues, including recruitment and retention of health care providers, reimbursement, emergency services, and telemedicine. In December of 1992 she worked as a consultant for the Global Programme on AIDS at the World Health Organization in Geneva, Switzerland.

Wakefield is a graduate St. Mary's High School in Devils Lake and Mary College (now the University of Mary) in Bismarck, where she earned a Bachelor of Science in Nursing degree in 1976. She went on to earn Master of Science and doctorate in nursing degrees from the University of Texas. She was selected as an Eastman Kodak Congressional Fellow in the Program for Senior Managers in Government at the John F. Kennedy School of Government at Harvard University in 1991.

In addition to her appointments in the legislative and public policy arenas, she has worked as a nurse in various community settings and has taught at the UND College of Nursing in Grand Forks and at the University of Texas and Austin Community College in Texas.

She is married to Dr. Charles Christianson, vice chair of family medicine at Georgetown University Medical School.

tional presentations to school and community groups interested in bioscience, medicine and the health sciences.

The University Health Facility has been built under an agreement whereby UND exchanges the former Rehabilitation Hospital at Medical Park for the University Health Facility, built by Altru Health Systems.

### George Seielstad Presents First Benediktson Lecture Sept. 8

The Benediktson Lectures for Fall will be presented by George Seielstad, associate dean of aerospace, on Saturday mornings, 8:30 a.m., in the Clifford Hall Auditorium. They will take place **Sept. 8, Oct. 13, and Nov. 10.**

The Sept. 8, lecture is "Four Scientific Revolutions: Humankind Learning about Itself." Humans once thought the world was flat, centered upon the great civilizations around the Mediterranean (Middle-Earth) Sea. Of course, in their eyes that flat Earth was at the center of the entire cosmos, all other objects revolving around it. The cosmos was not very big: the sun, moon, our neighboring planets, and a few thousand stars fixed to a transparent celestial sphere. Humans themselves were the pinnacle of creation, transcendent above all other forms of life. Within the human family, certain "races," and their accompanying cultures and religions, stood above all others.

**Nicolai Copernicus** triggered the first revolution that redefined the human condition. By showing that Earth was not central within the solar system, neither in size nor in location, he started a path of discovery that has made our planet seem ever more ordinary: the sun is an ordinary star among hundreds of billions in the Milky Way galaxy; the Milky Way galaxy is typical of hundreds of billions of galaxies stretching to distances so great the light from them began their journeys to Earth before there was a planet here to intercept them; the matter of which we are made is a small fraction of that in the universe, the vast majority having an unknown form.

The revolution introduced by **Charles Darwin** showed that all life on Earth was related and derived from a common ancestry, humans included. The mechanism of natural selection he suggested established how closely the environment and all that lives within it (actually part of it) are intertwined. By their revolutionary discovery of the structure of DNA, **Francis Crick and James Watson** enabled the unraveling of genomes, so our relatedness to other living (and extinct) organisms can be detailed at the molecular level.

In a revolution that has barely begun, **Craig Venter and Francis Collins** led huge teams (themselves a revolution in how science is conducted) that mapped the human genome, revealing our place within the great tapestry of life. That place is neither as grand nor as distinctive as humans once imagined. In what may be the most useful finding for a planet that technology has shrunk to a global village, the diversity among human genes has been quantified. In the process, the concept of race has lost any biological significance. All humans truly are one family, two people from the same part of the world and looking superficially similar, often being less related to each other than two who are separated by large geographic distances and who may look different.

Who are we and what is our significance? Four ongoing scientific revolutions are letting us find out.

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## Events to Note

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### All Invited To Open House And Dedication For University Health Facility

Everyone is invited to attend the dedication ceremony and open house for the University Health Facility **Thursday, Aug. 30.** Dedication ceremonies begin at 9 a.m. with an open house and tours to follow until noon. The facility is located at 725 Hamline Street, just south of the Barnes and Noble University Bookstore, near Sixth Avenue North and Columbia Road.

The \$4 million, 32,000-square-foot facility houses the Clinical Education Center, UND Family Practice Center and Pharmacy. The latter two entities, currently in Grand Forks' Medical Park, will be operational in their new location in September.

At the Family Practice Center, 19 resident-physicians train under the supervision of a team of faculty-physicians led by director Larry Halvorson in a three-year residency program to become family physicians. The clinic, open to the public, offers health care services in family medicine, from prenatal care to geriatrics, psychology, dietetics, radiology, and sports medicine.

Space has been designed for stress testing; eye, ear, nose and throat examinations; casting; minor-wound suturing; ultrasound, and endoscopy procedures, among others. A children's play area is part of the lobby design and original art and photography by local residents decorate the clinic. The Clinical Education Center, a state-of-the-art clinical skills testing facility, features 16 examination rooms for the testing and evaluation of students' patient-interaction abilities. This feature represents a national trend toward experiential learning.

The center also includes a 70-seat auditorium to be used for educa-

### Volunteer Recruitment Day Is Sept. 13

On **Thursday, Sept. 13**, DOVS (Directors of Volunteer Services) will be on campus to recruit volunteers for their non-profit agencies.

DOVS provides students with the opportunity to secure required volunteer hours for their majors and, in addition, to provide opportunities for UND students and faculty who would like to volunteer in our community.

Prospective volunteers may come to the second floor of the Memorial Union between 9 a.m. and 3 p.m. to visit with volunteer representatives and to sign up for volunteer placements. Faculty are asked to announce this to their classes.

For additional information about the UND volunteer recruitment day, please call Sue Fisk at Altru Hospice, 780-1450.

### Assessment Workshop To Be Offered In September

Applications are invited now for the Bush assessment teams workshop and consultation scheduled for **Thursday and Friday, Sept. 27-28**. Workshop space is limited to between six and eight teams per year, and is open both to departments who have done some initial work on assessment and to those which are just beginning.

This year's consultant is Dr. Philip Way of the University of Cincinnati, who brings considerable experience working with assessment in the College of Arts and Sciences at UC as well as with other departments in his role as a national consultant.

Funding from the Bush Foundation enables the award of a \$500 stipend to be used by the teams for assessment-related expenses within the department. Teams may also qualify for additional grant support for assessment activities as they show significant progress in implementing their plans.

If you have questions about the workshop, or about the application process, contact Associate Provost Sara Hanhan at 777-4824.

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## Announcements

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### Forms Going Out To Obtain Important Faculty-Staff Directory Information

UND employees in departments and offices are reminded that it is important for cross-campus communication that their names be included in the UND Directory with at least their office and department addresses and phone numbers. It is also preferable to include residence information. Forms to update information on faculty and staff members for inclusion in the 2001-02 *UND Directory of Faculty, Staff and Students* were sent to departments this week. The deadline for returning them to the UND Office of University Relations, which compiles the Directory, is **Friday, Sept. 7**. This has been determined as the best method available for updating faculty and staff Directory information. The new Directory is distributed through sales at several campus locations beginning in the second week of October.

### Visiting Scholar Promotes Chinese Courses, Topics

Visiting scholar and sinologist Tomas Koukolik (777-2921) will be on campus this year to promote and expand UND's Chinese area studies program. Housed in the College of Business and Public Administration, Koukolik will offer first-year Chinese I and II in collaboration

with the Languages Department, as well as multinational management and introduction to China. Koukolik is also available to serve as guest lecturer on topics related to Chinese culture and history. Please encourage interested students to enroll this fall in first-year Chinese I (Badm 395, #68179, 4 cr).

### Jim Grijalva To Represent Council Of College Faculties On Higher Ed Board

UND law professor Jim Grijalva is the 2001-2002 representative of the North Dakota University System's Council of College Faculties (CCF) on the State Board of Higher Education. The CCF is the organization created by the Board to represent the views of NDUS faculty; the CCF representative is a non-voting member of the Board. Grijalva was elected to the Board seat by the CCF at the close of last academic year and began his term in July. He has been a member of the UND faculty since 1994.

Other officers elected last spring by CCF for 2001-2002 were: president, Henry Riegler, Bismarck State College; vice president, Steve Huenneke, Minot State University; secretary, Jon Peterson, Mayville State University; and treasurer/parliamentarian, Scott Klingenstein, Bismarck State College. UND's Scott Stradley was CCF president last year in the third year of his term as a UND representative to that organization.

UND's representatives to the CCF this year are Grijalva, Tom Petros (Psychology) and Kathy Smart (Teaching & Learning). Petros will represent the UND CCF delegation on the 2001-2002 University Senate Executive Committee.

### New 2001-03 Undergraduate/Graduate Academic Catalog Now Available

The new 2001-03 edition of the combined undergraduate and graduate Academic Catalog of the University of North Dakota has been issued. It includes information on application, admission, registration, financial aid, requirements for degrees, descriptions of fields of study and courses, and a listing of UND faculty members and administrative officials. Copies may be obtained from the UND Office of Enrollment Services, 312 Twamley Hall.

### Copies Available Of Revised Campus Map In New Format

An extensively updated campus map with a brand new format has been developed and copies are now available for distribution. Copies may be obtained by contacting the Office of University Relations, 411 Twamley Hall, telephone 777-4311.

The new map was executed by Dick Larson of University Relations, based in part on the map that is maintained by Facilities. The new format is 17" x 11" compared to the previous one of 14" x 11" and is folded down to one-third of the horizontal width. The new "footprint" format enables inclusion of the entire campus environs, as well as the Aerospace facilities at the airport, and changes will be vastly more efficient to make. The former "three-dimension" style could not readily accommodate campus expansion to the west and north without exceeding standard paper and reproduction sizes, and artistic changes and additions were difficult to make.

The indexes to the map have been considerably restructured. In addition to overall updating of the previous building and office indexes, another has been added for academic departments, deans,

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### Copies Available Of Revised Campus Map In New Format, continued

and programs so visitors and others may more easily find those entities. With involvement of Disability Support Services and Facilities, the extent to which buildings are handicapped accessible has been reviewed and updated, and updated indications of handicapped access entries have been incorporated.

### Yoga Classes Offered At Lotus Meditation Center

Yoga classes are offered at the Lotus Meditation Center, University Avenue and Hamline Street. A new eight-week session of beginning and intermediate classes begins **Tuesday, Sept. 4**. Class times are 6 p.m. Tuesday, 10:30 a.m. Thursday, and 5:30 p.m. Thursday. There is a fee for the classes and preregistration is necessary as space is limited. Call Dyan Rey, instructor, at 772-8840 or 777-2419 for information or to register.

We will hold an introduction to yoga class Saturday, Oct. 27, from 9:30 a.m. to noon. It is a single class which will give an overall introduction to yoga and discuss its benefits for health, stress reduction, and fitness. Experience a sample class that includes a variety of poses and a deep relaxation session at the end. There is a fee for the class. Please call to register as space is limited.

### New Center For Health Promotion Announced

A new Center for Health Promotion and Translation Research (CHPTR) is being established within the Center for Rural Health. It will focus efforts aimed at determining the most effective ways to promote healthier lifestyles among North Dakotans. A statewide, multidisciplinary enterprise, the health promotion center will address initially diabetes care, smoking cessation, and asthma in children and adolescents. Later efforts will focus on proper nutrition, exercise, alcohol and substance abuse, and other habits leading to an unhealthy lifestyle. The physician team coordinating the Center's activities includes James Brosseau, chair of the Department of Community

Medicine and Rural Health, and Steven Helgerson, associate professor of community medicine and rural health, along with physicians, nurses and others around the state.

It will be a primary responsibility of the new Rural Health director, Mary Wakefield.

### Upcoming U2 Classes Announced

Following are upcoming University Within the University classes.

**COMPUTER CENTER:** Classes are held in 361 Upson II, and require a working knowledge of Windows or a Windows class. Enrollment is limited to 12 in most cases, so please register early. A \$10 manual is optional for Access (Levels II and III), Excel, PowerPoint, Windows, and all Word and WordPerfect classes. The cost for an Access Level I manual is \$16. Instructors: Tracy Uhler, GroupWise; Rose Keeley, TSO and PageCenter; Doris Bornhoeft, e-mail, HTML, and Netscape; Jim Malins, all other classes.

**Access 00: Level III:** Sept. 4, 5, and 6, 1:30 to 4:15 p.m.\* (eight hours total). Prerequisite: Access 00, Level II. Introduce Data Access Pages for the Web, Macros, Advanced Database Management; Explore user defined modules and Visual Basic.

**Exploring the Web Using Netscape:** Sept. 6, 9 to 10:30 a.m. Use Netscape to navigate, search, and set bookmarks on the World Wide Web.

**Excel 00: Level I:** Sept. 10, 12, and 14, 9 to 11:45 a.m.\* (eight hours total). Create and format worksheets, create formulas, use functions, Autosum, Autofill, format to print, create charts and maps.

**TSO Training:** Sept. 11, 9 to 10:30 a.m. Find out how to execute and manage batch and interactive programs.

**GroupWise 5.5:** Beginning: Sept. 10, 1:30 to 3:30 p.m. Find out how to write notes, use the mailboxes and trash, customize GroupWise, and handle mail.

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### Holiday Hours Listed

#### Sept. 3 Is Holiday

In accordance with State Board of Higher Education directives, **Monday, Sept. 3**, will be observed as Labor Day by faculty and staff members of the University. Only those employees designated by their department heads will be required to work on this holiday.

#### Chester Fritz Library:

Hours of operation for the Chester Fritz Library for the fall semester and Labor Day are: fall semester: Monday through Thursday, 8 a.m. to midnight; Friday, 8 a.m. to 4:30 p.m.; Saturday, 10 a.m. to 6 p.m.; Sunday, 1 p.m. to midnight. Hours for the Labor Day weekend are: Saturday and Sunday, Sept. 1 and 2, closed; Monday, Sept. 3 (Labor Day), 1 p.m. to midnight.

#### Health Sciences Library:

Library of the Health Sciences hours for the Labor Day weekend are Saturday, Sept. 1, 1 to 5 p.m.; Sunday, Sept. 2, 1 to 5 p.m.; Monday, Sept. 3, 1 p.m. to midnight.

### Thormodsgard Law Library:

Hours for the Thomodsgard Law Library through Thursday, Aug. 23, are 8 a.m. to 8 p.m.; Friday, Aug. 24, 8 a.m. to 5 p.m.; Saturday, Aug. 25, noon to 5 p.m.; Sunday, Aug. 26, closed. Regular hours resume Monday, Aug. 27. They are Monday through Thursday, 7:30 a.m. to 11 p.m.; Friday, 7:30 a.m. to 9 p.m.; Saturday, 10 a.m. to 9 p.m.; and Sunday, 10 a.m. to 11 p.m.

### Memorial Union:

The Memorial Union will be closed Saturday, Sept. 1, through Monday, Sept. 3, for the Labor Day holiday. Hours for Friday, August 31, are: *Lifetime Sports Center*, 10 a.m. to 5 p.m.; *Info/Service Center*, 8 a.m. to 5 p.m.; *Copy Stop*, 9 a.m. to 5 p.m.; *U Turn C-Store*, 7 a.m. to 4:30 p.m.; *Subway/TCBY/Juiceworks*, 7 a.m. to 5 p.m.; *Little Caesars*, 10 a.m. to 5 p.m.; *Administrative Office*, 8 a.m. to 4:30 p.m.; *Craft Center/Sign and Design*, 9 a.m. to 4:30 p.m.; *Student Academic Services*, 8 a.m. to 4:30 p.m.; *Dining Center*, closed; *Credit Union*, 9 a.m. to 6 p.m.; *Barber Shop*, 8:30 a.m. to 5:30 p.m.; *Traffic Division*, 8 a.m. to 4:30 p.m.; *Passport IDs*, 8 a.m. to 4:30 p.m.; *University Learning Center*, 8 a.m. to 3 p.m.; *Computer Labs*, 8 a.m. to 5:45 p.m.; *Building Hours*, 7 a.m. to 6:15 p.m.

### Upcoming U2 Classes Announced, continued

**PageCenter:** Sept. 13, 9 to 10:30 a.m. PageCenter allows users to view, save, print, and retrieve electronic mainframe reports with their favorite web browser. Participants MUST have a RACF (TSO/CICS) user ID and password to attend training.

**GroupWise 5.5: Intermediate:** Sept. 13, 1:30 to 3:30 p.m. Prerequisite: GroupWise 5.5 Beginning. Learn how to have GroupWise 5.5 schedule your appointments and assign tasks.

**Access 00: Level I:** Sept. 17-21, 8:30 to 11:45 a.m.\* (16 hours total). Introduces Access and databases. Create tables, queries, forms, reports, and relationships. Import and export interface.

**Defensive Driving:** All sessions in 211 Rural Technology Center, Sept. 12, 8:30 a.m. to 12:30 p.m. (Mark Johnson). This course is required by State Fleet for all UND employees who drive State Fleet vehicles on a regular (monthly) basis, receive a traffic violation, or had an accident while operating a State Fleet vehicle. Employees are encouraged to bring a family member. This course may also reduce your North Dakota insurance premiums and could possibly take away points from your driving record.

**Thinking Outside the Box:** Sept. 11 and 18, 1:30 to 3:30 p.m. (four hours total) 211 Rural Technology Center, OR Sept. 12 and 19, 9 to 11 a.m. (four hours total), 235 Rural Technology Center. Fee: \$20. Creative thinking is critical to improvement and solving problems. But how can I be creative? This two-session class will help you learn and practice techniques to expand your capacity to think "outside the box." Creative thinking is a learnable skill. Instructor: Steve Edwards, "Creative Guy" UND Office of Workforce Development.

**HOW TO REGISTER:** Registering for U2 workshops is easy! Contact Amy Noeldner at the University Within the University office by phone (777-2128), fax (777-2140), e-mail U2@mail.und.nodak.edu, or mail to PO Box 7131. To register online, go to [www.conted.und.edu/U2](http://www.conted.und.edu/U2) Please provide the following information when you register: your name, department, box number, phone number, Social Security number (for accurate record keeping), and e-mail address; the title and date of the event; and the method of payment (ID billing, personal check, or credit card number and expiration date) if the event has a fee.

### Museum Shop Holding Sale

The Museum Shop is having a huge sale! Almost everything is 30 to 50 percent off the lowest marked price. The sale items include exotic jewelry, books, CDs, candles, one-of-a-kind soaps, baskets, children's toys and art supplies, decorative objects and much more. Also "Under the Whelming Tide," a full-color pictorial book of the Flood of 97, is just \$10 (regular price is \$30). The Museum Shop is located in the North Dakota Museum of Art off Centennial Drive directly south of Twamley Hall. Museum hours are 9 a.m. to 5 p.m. on weekdays and 1 to 5 p.m. on weekends. The sale runs through Sunday, Sept. 9, so don't delay.

### Denim Day Is Last Wednesday Of Month

Denim Day is coming! **Aug. 29** is the last Wednesday of the month and that means you can wear your Denim Day button, pay your dollar, and enjoy wearing your casual duds in the middle of the week. All proceeds go to charity, as always. Tired of watching other offices and buildings have all the fun? Call Patsy Nies (Enrollment Services), who will set you up with buttons and posters for your area.

### Hughes Fine Arts Gallery Exhibitions Set

Showing at the Hughes Fine Arts Center Gallery from **Aug. 27 to Sept. 6** are photos by Kris Douglas.

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## Grants and Research

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### ORPD Sponsors Grant Proposal Workshop

The Office of Research and Program Development is sponsoring a workshop titled "Breaking Through the Barriers to Writing Proposals." The session, conducted by Dr. Robert A. Lucas, director of the Institute for Scholarly Productivity in San Luis Obispo, Calif., is designed to help faculty members break through writing blocks and accomplish more professional writing. Special application of the principles will be made to writing proposals for external support. The following topics will be covered:

- Confronting the Myths About Writing
- Overcoming the Major Obstacles to Writing
- Varying the Patterns to Sustain Momentum
- Managing a Successful Grant Application

The workshop will be held **Tuesday, Sept. 18**, from 8:30 a.m. to 3:15 p.m. Space is limited; registration is required. There is no charge for participation. To register, contact the Office of Research and Program Development at 777-4278. The deadline for registration is Tuesday, Sept. 11.

### Research, Grant Opportunities Listed

Following are research and grant opportunities. For more information, contact the Office of Research and Program Development at 777-4278.

#### PEMBROKE CENTER FOR TEACHING AND RESEARCH ON WOMEN

Postdoctoral Fellowships provide a \$30,000 stipend to fellows and visiting scholars to meet regularly in a research seminar. The topic for 2002-03 is "Theories of Embodiment." Fellows participate in the weekly seminar, present two public papers during the year, and pursue individual research. There are no citizenship restrictions. The seminar will explore how biological bodies become culturally expressive. The Program seeks applicants from all fields but especially from cultural studies, feminist social psychology, developmental psychology, developmental biology, history of the body, anthropology, cognitive psychology and sexuality studies. Eligible applicants are those who do **not** hold a tenured position and whose research has a strong theoretical component and is relevant to that year's topic. Third world and minority scholars are encouraged to apply. **Contact:** Elizabeth Barboza, 401/63-2643; [Elizabeth\\_Barboza@brown.edu](mailto:Elizabeth_Barboza@brown.edu); [http://www.brown.edu/Departments/Pembroke\\_Center/postdoc.shtml](http://www.brown.edu/Departments/Pembroke_Center/postdoc.shtml). **Deadline:** 12/11/01.

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#### BROOKINGS INSTITUTION

Governmental Studies Predoctoral Fellowships are awarded to graduate students for policy-oriented predoctoral research in governmental studies during the academic year. Fellowships are designed for doctoral candidates whose dissertation topics are directly related to public policy issues and thus to the major interests of the Brookings

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**Research, Grant Opportunities Listed, continued**

Institution. They will be awarded to scholars whose research will benefit from access to the data, opportunities for interviewing, and consultation with senior staff members afforded by the Brookings Institution and by residence in Washington, DC. Candidates must be nominated by a graduate department; departments should nominate no more than two persons who should have completed the preliminary examinations for the doctorate not later than February 15. The fellowships carry a stipend of \$17,500. **Deadline:** 12/15/01. **Contact:** Dr. Kent Weaver; 202/797-6054; fax 202/797-6144; Kweaver@brook.edu; <http://www.brook.edu/admin/fellowships.htm>.  
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**AMERICAN ASSOCIATION OF UNIVERSITY WOMEN  
EDUCATIONAL FOUNDATION (AAUW)**

Postdoctoral Research Leave Fellowships provide support to women from all fields of study. Fellowships are available in the arts and humanities, social sciences, and natural sciences. Applicants must be U.S. citizens or permanent residents and have earned a doctoral degree by November 15, 2001. There are no restrictions on location of study or age of the applicant. A one-year award of \$30,000 is available. **Contact:** 319/337-1716 x60; fax 202/872-1425; [foundation@aauw.org](mailto:foundation@aauw.org); <http://www.aauw.org/home.html>. **Deadline :** None.

Dissertation Fellowships provide support for women doctoral candidates completing dissertations. Applicants must be U.S. citizens or permanent residents. Awards of \$20,000 for one year are available. The award is open to applicants in all fields of study, except engineering. Scholars engaged in researching gender issues are encouraged to apply. There are no restrictions on location of study or age of the applicant. Applicants must have completed all course work, passed all required preliminary examinations, and received approval for their research proposals or plan by November 15, 2001. **Deadline:** 11/15/01. **Contact:** See above.  
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**DEPARTMENT OF THE NAVY**

Broad Agency Announcement (BAAO)—Research and Development for Ordnance, Electronics and Electronic Warfare. The Naval Surface Warfare Center, Crane Division (NSWC Crane) conducts research and development directed toward ordnance, electronics, and electronic warfare technologies, processes, systems, subsystems and components in support of our nation's warfighters. Ordnance primary technical areas include: Small Arms, Pyrotechnics, Ground Ordnance, and Surface Ordnance. The Electronics area includes: Electrochemical Power Systems, Displays & Peripherals, Acoustic Sensors, Microelectronics, Computers & Processors, Chemical-Biological, and Physical Security. Areas of interest in Electronic Warfare are Electronic Countermeasures & Surveillance Systems, Night Vision/Electro-Optics, Microwave Components, and Radar. NSWC Crane is interested in receiving proposals for research and development in all of its mission areas. Funding will range from \$10,000-\$1,000,000, depending on the topic. Proposals are sought for scientific study and experimentation directed toward advancing the state-of-the-art or increasing knowledge or understanding. Applicants are strongly encouraged to submit an initial synopsis ("white paper") electronically. **Deadline:** None. **Contact:** Doug McDaniel, Crane Division, Naval Surface Warfare Center, 812/854-5395; [mcdaniel\\_d@crane.navy.mil](mailto:mcdaniel_d@crane.navy.mil); [www.crane.navy.mil/supply/announce.htm](http://www.crane.navy.mil/supply/announce.htm).  
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**AMERICAN CANCER SOCIETY**

Research Scholar Grants for Beginning Investigators provide support for cancer-related research across a wide range of health care disciplines to meet societal needs of critical importance in the control of cancer. The program supports basic, preclinical, clinical (including cancer control, psychosocial-behavioral and health services), and epidemiologic research projects. Eligible applicants are investigators in the first 8 years of their independent research careers. Individuals must have an independent research or faculty position; must have a Ph.D., M.D., or an appropriate degree in their field of specialty; and have a rank of Assistant Professor (or higher), Research Assistant Professor, or comparable position (i.e., Assistant Member). Applicants must be U.S. citizens, noncitizen nationals, or permanent residents of the U.S. Initial awards are made for up to 4 years and for up to \$250,000/year, including 25% indirect costs. **Contact:** Extramural Grants Department, 404/329-7558; fax 404/321-4669; [grants@cancer.org](mailto:grants@cancer.org). **Deadlines:** 10/15/01, 4/1/02.  
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**GERALD R. FORD FOUNDATION**

The Research Travel Grants Program provides support for research in the holdings of the Gerald R. Ford Library. Funding of up to \$2,000 is provided to defray the travel, living, and photocopy expenses of a research trip to the Ford Library. Library collections focus on federal policies, institutions, and politics in the 1970s. Selected strengths of the holdings are domestic affairs and policies, economics, the 1976 presidential campaign, media relations, White House management and decision making, congressional relations, and foreign policy. Eligible applicants are individuals worldwide who are selected based upon the pertinence of "open" Library holdings, project significance, appropriateness of project design, and applicant qualifications. **Contact:** Grants Coordinator, 734/741-2218; fax 734/741-2341; [ford.library@nara.gov](mailto:ford.library@nara.gov). **Deadlines:** 9/15/01, 3/15/02.  
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**NATIONAL SCIENCE FOUNDATION (NSF)**

Up to 5 years of support is provided for research on electronics, photonics, and device technologies. The goal of the program is to improve the fundamental understanding of devices and components based on principles of electronics, photonics, electromagnetics, electro-optics, electromechanics, and related physical phenomena, and to enable the design of integrated microsystems which define new capabilities and applications. Experimental and theoretical studies of nanoscale electronic and photonic devices and principles, use of nanotechnology for device fabrication, and related topics in quantum engineering and quantum computing are of particular current interest. Proposals are invited for research that can lead to high performance of micro- and nanoscale devices, components, and materials, advanced methods of design, modeling, and simulation of devices and components, and improved techniques for processing, fabrication, and manufacturing, including plasma-based processing techniques. **Contact:** Dr. Rajinder P. Khosla, Directorate for Engineering, Division of Electrical & Communication Systems; 703/292-8339; fax 703/292-9147; [rkhosla@nsf.gov](mailto:rkhosla@nsf.gov); <http://www.eng.nsf.gov/ecs/programs/epdt/epdt.htm>. **Deadlines:** 10/1/01, 2/1/02.

Support is provided for up to 5 years for research and related activities in the field of mathematical sciences, including algebra and number theory, analysis, applied mathematics, computational mathematics, geometric analysis, statistics and probability, and topology and foundations. Funding is provided for a wide range of projects aimed at developing and exploring the properties and

**Research, Grant Opportunities Listed, continued**

applications of mathematical structures. Research interest areas include: algebra and number theory; analysis; applied mathematics; computational mathematics; geometric analysis; statistics and probability; and topology and foundations. Support is provided for both collaborative, multi-investigator research (Mathematical Sciences Research Groups), and for research on modern mathematics theory. Projects supported range from basic to applied research; in addition, support may go to research workshops, symposia, conferences, the purchase of scientific equipment for research purposes, and construction of specialized research facilities. **Contact:** Directorate for Mathematical & Physical Sciences, 703/292-5111. **Deadline:** 10/2/01.

The Multi-User Biological Equipment and Instrumentation Resources program provides funds for the purchase of major items of multi-user instrumentation. Funding may be requested in the range from \$40,000-\$400,000, for work to be done within the areas of biological infrastructure, molecular and cellular biosciences, integrative biology and neuroscience, or environmental biology. Support is provided for the purchase of major items of instrumentation that will be shared by a number of investigators having actively-funded research projects. The program will support purchase of single items of biological equipment; establishment of instrumentation resources consisting of several items or equipment with a related purpose, or purchase of additional equipment for such resources; and shared computational resources. Applications for work stations and mid-range computing machines dedicated to broad research needs are appropriate. The work to be done must fall within the scope of the NSF's Divisions of Molecular and Cellular Biosciences, Division of Biological Infrastructure, Integrative Biology and Neuroscience, or Environmental Biology. Instrumentation used in the conduct of disease-oriented research, including the etiology, diagnosis, or treatment of physical or mental disease, abnormality or malfunction in human beings or animals, or the design and testing of drugs for treatment of such conditions is not appropriate for consideration. User groups that include individuals from different departments and institutions are encouraged to apply. **Deadline:** 10/1/01. **Contact:** Program Director, Directorate for Biological Sciences, 703/306-1472; fax 703/306-0356; dbiid@nsf.gov; <http://www.nsf.gov/cgi-bin/getpub?nsf98137>.

**NATIONAL ENDOWMENT FOR THE ARTS (NEA)**

Folk and Traditional Arts--National Heritage fellowships of \$10,000 each are provided to folk and traditional artists to recognize the recipients' artistic excellence and support their continuing contributions to our nation's traditional heritage. This program is not open to application; artists must be nominated. Eligible nominees are U.S. citizens or permanent residents who are master folk and traditional artists worthy of national recognition. Nominees should have a record of on-going artistic accomplishment, and must be actively participating in their art form, either as a practitioner or teacher. Nominations may be for individuals or a group of individuals (e.g., a duo). No one

may nominate him/herself. **Contact:** Heritage and Preservation Division, Nancy Hanks Center, Room 720, 1100 Pennsylvania Avenue, N.W., Washington, DC 20506-0001; 202/682-5428; <http://arts.endow.gov/> **Deadline:** 10/1/01.

**WHITAKER FOUNDATION**

Biomedical Engineering Research Grants provide up to \$240,000 for up to 3 years in support of research projects that enable investigators to establish academic careers in biomedical engineering or a closely-related field. Principal investigators must be on the institution's faculty or research staff and have received the doctorate less than 8 years ago. Supported projects must apply or develop substantive engineering methods and techniques to solve important medical problems. Routine use of complex instrumentation or conventional engineering methods does not qualify for funding. Consistent with the interdisciplinary nature of biomedical engineering research, applicants with traditional engineering backgrounds should develop appropriate and credible collaborations with colleagues in the life sciences and medicine. Conversely, life scientists or clinicians with limited engineering experience should collaborate with colleagues in engineering or the physical sciences. Collaborations must broaden the applicant's knowledge in the complementary discipline and enrich the applicant's intellectual understanding of biomedical engineering. Student participation and support is encouraged. **Contact:** Wolf W. von Maltzahn, Program Director, 703/528-2430; [wvm@whitaker.org](mailto:wvm@whitaker.org); <http://www.whitaker.org/>. **Deadlines:** 10/1/01, 12/1/01, 2/1/02.

**OAK RIDGE INSTITUTE FOR SCIENCE AND EDUCATION (ORISE)**

The Professional Internship Program at the Savannah River Site provides full-time and part-time opportunities for undergraduate and graduate students, and postbaccalaureates to participate in energy-related and environmental research. ORISE provides a weekly stipend of \$338-\$871 and travel reimbursement. Appointments are held at Westinghouse Savannah River Company. U.S. citizenship is required. Internship duration is 3-18 months; full-time or part-time appointments are available. **Contact:** Kathy Ketner, Project Manager, 865/576-3426; [ketnerk@orau.gov](mailto:ketnerk@orau.gov); <http://www.orau.gov/orise.htm>. **Deadlines:** 10/1/01.

**RUSSELL SAGE FOUNDATION**

The Visiting Scholar Program supports scholars working on research and writing projects in the social sciences while in residence at the Russell Sage Foundation. Joint projects by groups of visiting scholars are particularly welcome. Salary support of up to \$100,000, secretarial support, use of the Foundation's facilities, and subsidized housing for scholars outside the New York City area are provided for one academic year. **Contact:** Eric Wanner, President, 212/750-6000; fax 212/371-4761; [info@rsage.org](mailto:info@rsage.org); <http://www.russellsage.org/>. **Deadline:** 11/15/01.



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