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University Letter

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President Kupchella Will Convene University Council April 29

President Kupchella will convene the spring meeting of the University Council at 3:30 p.m. **Monday, April 29**, in the Memorial Union Ballroom. The agenda will be announced soon.

All legislative powers of the University government are vested in the Council, which has in turn delegated them to the University Senate. The presiding officer is the president or a person designated by the president, and the ex officio secretary is the university registrar. According to the University Constitution, the Council consists of the following who are employed primarily on the Grand Forks campus: the president, the vice presidents, the University registrar, the director of libraries, all deans, all department chairs, all full-time faculty of the rank of instructor, assistant professor, associate professor, and professor, the director of the Counseling Center, the professional library staff, and such other academic personnel and administrative officers as the Council may designate.

All members of the Council, and interested non-members including students, are encouraged to attend. - *Charles Kupchella, President.*

Three To Receive Honorary Degrees At Commencement

Three people will receive honorary degrees at the University's 114th spring commencement ceremonies.

Dr. Calvin Fercho, who received his B.S. in medicine from UND in 1950, will be honored at the UND School of Medicine and Health Sciences commencement **Saturday, May 4**, at 1:30 p.m. at the Chester Fritz Auditorium. Fercho grew up at Fargo and completed his undergraduate degree at NDSU. He completed his medical degree in 1952 at Northwestern University in Chicago, and after a residency in Chicago, he returned to Fargo and began his independent practice of ophthalmology. Fercho has a national reputation for his ophthalmological surgical expertise. He introduced a major advance in cataract implant surgery, the continuous circular capsulotomy. In 1987, he was one of 23 United States surgeons to be named a "master of phaco" as part of the 20th anniversary of the invention of phacoemulsification.

Two honorary degrees will be presented at the general spring commencement ceremony Saturday, May 11, at 1:30 p.m. in the Alerus Center.

Lloyd B. Omdahl is a former North Dakota lieutenant governor and professor emeritus of political science and public administration. A native of Conway, N.D., Omdahl received his Bachelor of Philosophy degree from UND in 1953. He established Capitol News Service in Bismarck, and later Lloyd's of Bismarck advertising agency. He received an M.A. in political science in 1962 while he was administrative assistant to Gov. William Guy. From 1963 to 1966 he served as the state tax commissioner and in 1966 he became the director of administration for Gov. Guy and also joined the UND Department of Political Science as an assistant professor. He remained connected to the department, directing the Bureau of Government Affairs and reaching full professor status in 1974, until he retired in 1994. In 1989, Omdahl was asked to join the administration of Gov. George Sinner as lieutenant governor.

Noel G. Watson graduated from UND in 1958 with a B.S. in chemical engineering and was recruited as a process engineer by Joseph Jacobs, the founder of Jacobs Engineering. Watson remained with the company for nearly his entire life, climbing through the ranks to the position of president in 1987. Since his installation as president, the company's annual revenues have increased from \$320 million to \$4 billion. One of the largest technical services companies in the world, Jacobs Engineering provides engineering, construction, process-plant maintenance, and consulting services to government agencies and users in the refining, chemical, pulp and paper, food processing, pharmaceutical, and biotechnology industries in the United States and overseas.

The UND School of Law will hold commencement exercises on Saturday, May 11, at 10 a.m. in the Chester Fritz Auditorium. Judge Kermit Bye, Eighth Circuit Court of Appeals, Fargo, will be the commencement speaker for the 64 graduating students.

Events to Note

EERC Launches Waffle Project On 5-Year Flood Anniversary

On the five-year anniversary of the 1997 Red River flood, leaders at the Energy and Environmental Research Center (EERC) will not be waxing nostalgic about our region's past triumph over adversity.

Instead, hosting a free waffle breakfast **Friday, April 19**, at 8:30 a.m., the EERC will publicly launch "The Waffle," a three-year project to determine the feasibility of developing a basin-wide system for temporary storage of floodwater in the Red River Basin, which has now been funded by the U.S. Department of Agriculture.

Because the theoretical maximum flood levels in the Red River Basin are considerably higher than the levels of protection that can be provided by dikes, an augmentation to structural systems must be found to ensure long-term security from flooding. Applying the concept of a breakfast waffle, with its many little square syrup reservoirs, the flood

mitigation effect of the waffle project could theoretically be accomplished by utilizing low-relief fields bounded by county roads in order to temporarily create microstorage pools during major flood events.

“Since the ‘97 flood, I have taken on the fight for an objective evaluation of the waffle as a personal crusade,” said EERC director Gerald Groenewold, “because without water security, regional economic development efforts are entirely in vain.”

Flooding in ‘97 forced the EERC to close for 20 days and resulted in damages estimated at \$40 to \$45 million in lost equipment and business. Since then, however, the EERC has not only covered its losses, it has grown, both in terms of staff and contract revenue. In 1999, contract awards exceeded \$11 million. By 2001, contract awards had grown to just over \$19 million. Currently, the EERC has openings for 23 new positions and anticipates breaking ground this year on an \$8 million, 41,000-square-foot building expansion.

The waffle has received a great deal of attention because of its potential as an augmentation to dike systems for flood mitigation. However, it can also be an invaluable tool in times of drought. On average, nearly a third of the water that flows down the Red River each year comes during April. Therefore, in most years, the problem is not that there is too much water, but that the water is not available when it is needed most. Using the waffle to manage water throughout the Red River Basin could provide benefits in both wet and dry years.

For example, during dry years, rather than allowing water from snowmelt to run off, it could be used to help farmers retain soil moisture. Water captured in the waffle during the spring could also be used to recharge aquifers that are depleted by droughts and pumping for irrigation and municipal use.

The waffle breakfast will begin at 8:30 a.m. at the EERC, 15 North 23rd Street, Grand Forks. An overview of the waffle project will be presented at 9 a.m. For more information about the breakfast, call Linda Quamme, lquamme@undeerc.org at 777-5131. For information about the waffle project, call Ed Steadman, esteadman@undeerc.org, EERC associate director for research, at 777-5157.

Tropical Ecologist Gives Biology Seminar

“‘Pure’ and ‘Applied’ Phylogenetics of the Pantropical Plant Family Acanthaceae” will be presented by Lucinda McDade, associate curator and chair of botany at the Academy of Natural Sciences in Philadelphia, at noon **Friday, April 19**, in 141 Starcher Hall.

Dr. McDade is a world-renowned tropical ecologist and evolutionary biologist. She received her Ph.D. in botany from Duke University, has served as past educational coordinator of the Organization for Tropical Studies, managed the La Selva Field Station in Costa Rica, and has served on the faculty of the ecology and evolutionary biology and plant sciences departments at the University of Arizona. – *Anne Gerber, Biology Department.*

University Of Iowa Professor Presents Atmospheric Sciences Seminar

Witold Krajewski, University of Iowa, department of civil and environmental engineering, will present a seminar on the “Theoretical and Practical Aspects of Validating Remote Sensing Estimates of Rainfall” on **Friday, April 19**, at 3 p.m. in 111 Ryan Hall.

The Odegard School’s Atmospheric Sciences Department is hosting this seminar, the sixth in a series. It is free and open to the public.

This seminar will begin with a formal statement of the remote sensing validation problem. Dr. Krajewski considers validation to be equivalent with determination of the probability distribution of remote sensing products estimation errors. Such defined validation requires several tools, including reliable reference data, typically rain gauge data, as well

as methodologies for evaluating the products of interest. In essence, the talk will provide a blueprint design of a radar-rainfall estimation system that could be implemented to serve both operational real-time purposes as well as climatological and other analyses. The author will illustrate the considerations with a wide range of results from real-world data and applications. – *Department of Atmospheric Sciences.*

Psychology Plans Graduate Colloquium

The Psychology Department will hold a psychology graduate student colloquium at 2 p.m. **Friday, April 19**, in 302 Corwin/Larimore Hall. The schedule follows: 2 to 2:20 p.m., Lori Listug-Lunde; 2:25 to 2:45 p.m., Patricia Moulton; 2:50 to 3:10 p.m., Erin Haugen; 3:10 to 3:20 p.m., break; 3:20 to 3:40 p.m., Christie Jackson; 3:40 to 4:05 p.m., reception. Everyone is welcome. – *Department of Psychology.*

Greek Week Features Service Projects

The Greek community will hold its annual Greek Week **April 15-19**. The week of events is designed to increase public and campus awareness of the Greek community at UND.

The Greek community shares a common goal of making a difference in the lives of others. Greeks into the Streets, Wednesday, April 17, reaches out to the public and thanks them for all they do. In appreciation of the Grand Forks community, service projects will take place from 3 to 5 p.m. It is an opportunity to show Greater Grand Forks how concerned Greeks are about the community and to share with them Greek spirit.

Service projects will be done at the following sites: Altru Hospital, Salvation Army, St. Anne's Nursing Home, Humane Society, YMCA, University Park, Parks and Recreation Department, Valley Elder Care, American Diabetes Association, and Prairie Harvest Human Services. All 20 UND Greek chapters will participate. For more information about Greeks into the Streets, contact Kate Conrad at 777-5906. For other information concerning Greek Week, contact Greek Week chairs Jennifer Dobrowski at (701) 872-6188 or Andrew Nygren at 740-4990.

Coffee Discussion Focuses On Understanding Dyslexia

Faculty and staff are invited to an informal coffee/discussion on "Understanding Dyslexia: An Insider's Perspective" from 10 to 11:30 a.m. **Friday, April 19**, at the International Centre, 2908 University Ave.

Terry Johnsson, who will be in Grand Forks this week to meet with students and community groups, will talk about his own experience with this often misunderstood learning disability.

Johnsson joined the Air Force in the summer of 1985 to become a chaplain's assistant. Through a computer mix up, he was placed in the police academy. While attending police academy, Terry was selected from a group of 850 to become one of seven Presidential honor guards, serving under both the Reagan and Bush administrations. Because of his dyslexia, he is considered the first handicapped person to serve as a Presidential honor guard.

Terry Johnsson is being brought to campus by the Cultural Awareness Committee and Advent Maranatha, a student organization. This particular session is co-sponsored by the Cultural Awareness Committee and the Office of Instructional Development.

Other events in Johnsson's itinerary are: Friday, April 10, 1 to 1:50 p.m., Lecture Bowl, Education Building; Thursday, April 18, 6 p.m., River Valley Room, Memorial Union, with a reception to follow at the Era Bell Thompson Center; Friday, April 19, 10 a.m., International Centre. The Thursday and Friday afternoon sessions are a mixed audience of students, faculty, staff, and possibly community members. – *Cheryl Saunders, University Learning Center.*

“The Crucible” Showcased At Burtness Theatre

“The Crucible,” a play by Arthur Miller, will play at Burtness Theatre **Thursday through Saturday, April 18-20, 7:30 p.m.** each night. It is the first UND production directed by Gaye Burgess, a theatre arts faculty member.

Burgess worked with San Francisco choreographer Kim Epifano through a grant from the National College Choreography Initiative to produce the classic play about the Salem witch trials. Burgess and Epifano take the concept of persecution and combine a postmodern world with the Puritan world. With the addition of a chorus, “The Crucible” provides a new theatrical interpretation to the play, as relevant today as when it premiered in 1953.

Tickets for “The Crucible” are \$10 for general admission, \$5 for UND students with ID. For ticket information, please call the Burtness Theatre box office at 777-2587. For information about the play, please call me. – *Bethany Froelich, 777-4075.*

Allegro, Bards Present Spring Concert

The Allegro women’s choir and Varsity Bards men’s choir will perform their spring concert at 3 p.m. **Sunday, April 21**, at Wesley United Methodist Church, 1600 4th Ave. N. Vivo, the small women’s ensemble, and Goliards, the small men’s group, will also perform. The choirs consist of students from a variety of fields and study, and alumni will be invited to sing along with both groups. Allegro will primarily perform works by female composers; the Bards will celebrate their 50th anniversary. – *Department of Music.*

Accounting Services Will Discontinue Paper Fund Reports

Accounting Services will discontinue paper copies of the fund summary and fund transaction reports this fall. Access to the reports will only be available through PageCenter.

Accounting Services made this decision with the future in mind. Higher education is moving into an ERP project which will make all reports accessible via the web. PageCenter currently has several reports available, and is accessible via the web. Using PageCenter gives you a step up on getting familiar with how ERP will work, and is convenient and easy to use.

If you or anyone in your office needs training, the next training session for PageCenter is scheduled for **Tuesday, May 21**, from 2 to 3:30 p.m. in 361 Upson II Hall. Please register for class through University within the University, 777-2128.

If your department has mainframe reports they would like to publish through PageCenter, please let us know. – *Rose Keeley, Client Support, Information Technology Systems and Services.*

Doctoral Examination Set For Jessica Gourneau

The final examination for Jessica Gourneau, a candidate for the Ph.D. degree with a major in clinical psychology, is set for 9 a.m. **Monday, April 22**, in 210 Corwin-Larimore Hall. The dissertation title is “Development of the Northern Plains American Indian Biculturalism Inventory - Northern Plains.” Doug McDonald (psychology) is the committee chair.

Members of the graduate faculty are invited to attend. -- *Joseph Benoit, Dean, Graduate School.*

Soaring Eagle Prairie Will Be Dedicated Tuesday

The University will hold a dedication ceremony for the Soaring Eagle Prairie **Tuesday, April 23**, beginning at 4:30 p.m. at the prairie garden (behind Chester Fritz Library). A meal at 5:30 p.m. will follow at the International Centre, 2908 University Ave.; and at 7 p.m., participants will share prairie stories, also at the Centre.

Because less than one percent of the natural "tallgrass prairie" remains in North America, faculty and staff have planted a prairie beneath the statue for everyone to enjoy and learn from. In 2001, 27 varieties of grasses and flowers indigenous to the Red River watershed were planted; another 33 varieties are planned. These plants were gifts from gardens and seed collections of local prairie gardeners Kathleen Brooke, Glinda and Richard Crawford, the late Marcia Melberg, and from the Columbia overpass native prairie. The Soaring Eagle statue which overlooks the garden was commissioned by alumnus Colonel Eugene Myers and created by Chippewa artist Bennet Brien, was installed in the fall of 2000. Brooke, a prairie horticultural designer, and the Soaring Eagle Prairie planners designed the garden to flow with the statue. It should mature in five years, around 2006.

The garden has exceeded all expectations, showing promise of things to come. The first year, more than 400 individuals volunteered to plan and plant the prairie garden. The garden represents a special opportunity for celebrating and bridging diversity between Native American and Euro-American individuals in the region, and has been designated as an outdoor wildlife learning site by the North Dakota Game and Fish Department.

For more information call 777-2187. – *Glinda Crawford (Sociology), for Soaring Eagle Prairie Planners.*

Grade Report Forms Available Tuesday

The grade report forms will be available in the office of the registrar for pick-up by the department offices beginning at 9 a.m. **Tuesday, April 23**. The procedures to follow and deadlines will be noted in a memo attached to the report forms. Please note that grade report forms must be received no later than noon, May 14.

If you have questions regarding the above, please do not hesitate to call me at 777-2280. – *Michael Cogan, Associate Registrar, Office of the Registrar.*

TIAA Representatives On Campus Tuesday, Wednesday

TIAA-CREF representatives will be on campus **Tuesday and Wednesday, April 23 and 24**, offering free one-on-one sessions for anyone employed at UND. You can talk about starting a new plan, your current plan, tax-sheltering and the new limits, etc. To schedule an appointment, go online to: <https://ifs2.tiaa-cref.org/cgi-bin/WebObjects/ARS> or call Carolyn Bates at 1-800-842-2009, ext. 2692. – *Payroll Department.*

Engineering Invites All To Open House

The School of Engineering and Mines spring open house for elementary and middle school students as well as members of the University community, will be held **Wednesday, April 24**, from 10 a.m. to 2 p.m. All events will take place within Upson Hall I, Upson Hall II, Leonard and Harrington Halls, with free registration taking place at the entrance to Upson Hall I. Some of the activities planned for the day include:

- cryogenics shows, in which racquetballs, bananas, carrots, balloons, and marshmallows are frozen using liquid nitrogen;
- a presentation of Subzero, North Dakota's first solar-powered vehicle, designed, constructed, and raced by engineering

students;

- hands-on science experiments including air pressure, inertia, polymers, and magnetics/circuits;
- observe one of North Dakota's premiere dinosaur and mineral displays;
- watch as garbage cans explode before your eyes;
- an opportunity to take off your shoes and sink in quicksand;
- see first hand how a stream erodes;
- for the first time, see a thermite chemical reaction!

The schedule follows:

Upton II, first floor, hallway: registration; lounge: neat inventions and designs.

Upton I, first floor, north side: exploding garbage cans at 10:30 and 11:30 a.m., 12:30 and 1:30 p.m.; thermite demonstration at 10:30 and 11:30 a.m., 12:30 and 1:30 p.m.; room 106: solar car display - Society for Energy Alternatives, baseball frenzy demonstration, Amity Technology row finder demonstration, termite demonstration.

Harrington Hall, east side: bottle rocket launch; second floor, room 217: air pressure experiment, inertia experiment; hallway by room 217: polymer demonstration, magnetics/circuits demonstration.

Harrington Hall, third floor, room 324: cryogenics demonstration at 10:30, 11 and 11:30 a.m., noon, 12:30, 1 and 1:30 p.m.

Leonard Hall, lower level, room 9: stream table erosion model, 10, 10:30, 11 and 11:30 a.m., noon, 12:30, 1 and 1:30 p.m.; lobby: mineral display, dinosaur display.

The open house is attended by regional elementary and middle school students, as well as UND students, faculty, and staff. The primary goal is to show how much fun math, science, and engineering can be for people of all ages and backgrounds. The school also hosts an open house for high school students in conjunction with the Junior Engineering Technical Society's TEAMS (Tests of Engineering Aptitude, Mathematics and Science) competition held in the fall of each year.

If you or your school would like to attend, please contact the School of Engineering and Mines at 777-3411. – *Cheryl Osowski, Outreach Coordinator, School of Engineering and Mines.*

Physics, Engineering, EERC Hold Joint Colloquium

“Immobilizing Nuclear Waste in Chemically Durable Glasses,” will be presented by Delbert Day, Curators' professor of ceramic engineering, graduate center for materials research, University of Missouri-Rolla, at 4 p.m. **Wednesday, April 24**, in 138 Abbott Hall. A reception will be held at 3:30 p.m. in the lobby near room 138.

This seminar starts with a general overview of the nuclear waste that has been generated from the nuclear weapons program and from nuclear power generation in the United States over the past 50 years. The nation's current plans and efforts to dissolve and dispose of this waste in chemically stable glasses – vitrification -- will be described. The seminar will conclude with a description of the research under way at the University of Missouri-Rolla in developing iron phosphate glasses that are suited for vitrifying nuclear waste. Iron phosphate glasses are being investigated as alternative glasses for the borosilicate glasses now being used to vitrify nuclear wastes at the Savannah River site. The advantages of the iron phosphate glasses will be described in terms of their higher waste loading, ability to dissolve waste components poorly soluble in borosilicate glasses (which limit the waste loading), and lower melting temperature and

faster melting rate will also be reviewed. The content of this seminar is targeted for persons with a general interest in this field of environmental concern.

Dr. Day has been involved with DOE's Environmental Management (EM) program for some time. He regularly serves on National Research Council EM-related panels and on DOE EM review panels. He has received many national and international awards and has held numerous offices including that of the president of the American Cancer Society. He also holds over 40 patents and has over 250 publications to his credit. In addition, Dr. Day is also the founder and president of MOSCI Corp., a rapidly growing specialty glass R&D company.

– *Kanishka Marasinghe, Physics Department.*

Fulbright Scholar Program Briefing Set

A briefing about the Fulbright scholar program will be held at the International Centre, 2908 University Ave., at 4 p.m. **Wednesday, April 24.** The briefing will address traditional Fulbright, distinguished chair, seminar for international education administrators, and German studies seminar award programs. The briefing will also cover the new senior specialist, new century scholar, and alumni initiative award programs. Moreover, the briefing will include information concerning the ways to host a visiting Fulbright scholar at UND. If you are interested in attending this briefing, please contact Will Young at 777-3935. – *Will Young, Associate Director of International Programs.*

UND Seniors Invited To Operation Graduation

Faculty and staff are asked to share this information with students in your classes/departments.

The UND Alumni Association and Telesis, the UND student alumni association, invite all seniors to Operation Graduation **Wednesday, April 24.** Meet at the J. Lloyd Stone Alumni Center between 11 a.m. and 2 p.m. for free food, gifts, prizes and the opportunity to learn what the Alumni Association can do for you. – *Stacy Nelson, Alumni Association.*

Country, Bluegrass Will Play At Museum

Singer/mandolin player and Moorhead native Brennen Leigh brings Mississippi Delta blues, Texas swing, Irish drinking songs, Celtic-bluegrass ballads, country western standards and Appalachian mountain songs to the North Dakota Museum of Art at 7:30 p.m. **Wednesday, April 24.** The public is invited to the free concert.

Leigh debuted at age 15, singing in a local blues-rock ensemble. Accompanied by her brother Seth on acoustic guitar and harmony vocals, Leigh brings her eclectic unconventional mix of music to the Fargo/Moorhead, Grand Forks, and Minnesota lakes regions.

She also plays the harmonica, steel guitar, Ozark harp and Irish tin whistle, and has performed in Nashville and Murfreesboro, Tenn., and in Winnipeg. She has been offered a repeat gig at Posey's Oyster Bar in Tallahassee, Fla., which is widely recognized as a live music institution in north Florida.

Please call 777-4195 for more information. The North Dakota Museum of Art on the UND campus is open 9 a.m. to 5 p.m. weekdays and 1 to 5 p.m. weekends.

The Museum Café is open from 9:30 a.m. to 4:30 p.m. weekdays, and from 1 to 4 p.m. weekends. There is no admission charge.

Please Announce Alcohol Screening Day To Students

National Alcohol Screening Day, **Thursday, April 24**, sponsored by the Office of Substance Abuse Prevention, offers students the opportunity to get their “drinking score.” This brief self-assessment asks students about their drinking habits and if their behaviors have changed due to drinking. In addition to taking the anonymous, written self-test, students will be able to participate in the velcro wall. The screenings and fun on the velcro wall will take place between 10 a.m. and 2 p.m. on the front lawn of the Memorial Union. As part of the program, students will have a chance to talk one-on-one with a health professional and if appropriate receive a referral to support or treatment services.

This is an excellent opportunity for students to receive extra credit for their course work. If you have any questions, please contact Karin Walton at 777-4159 or ADAPT at 777-4165. – *Karin Walton, Coordinator, Substance Abuse Prevention, Counseling Center.*

Adele Kupchella Will Discuss Non-Traditional Female Students

Adele Kupchella, UND’s first lady, will present “The Non-Traditional Female Student at the noon **Thursday, April 25**, Meet and Eat program at the Women’s Center. Please join Mrs. Kupchella as she discusses many of the challenges, struggles, and celebrations of the older-than-average students. Everyone is welcome; lunch will be provided by the Women’s Center. – *Women’s Center.*

Teleconference Focuses On Serving The “New College Student”

TRIO programs is sponsoring a national teleconference, “The Changing Mosaic: Designing Successful Experiences for the New American College Student” from noon to 3 p.m. **Thursday, April 25**, in 310 Clifford Hall. This is the final in a series of three teleconferences produced by the National Resource Center for the First-Year Experience & Students in Transition, University of South Carolina. The teleconference will be followed by a discussion in 238 Clifford Hall.

Within a few short years, many college-bound students will reside in just five states. In California, white Americans are no longer the majority and everywhere, traditional-aged students at residential colleges are not attending, or acting, like they used to. Our ability to respond to change in higher education is notoriously slow and increasingly imperative. How do we prioritize, fund, and achieve these changes with necessary speed and effectiveness?

With the 2000 census as backdrop, four of America’s most respected practitioners and scholars will lead a timely discussion on the changing face, and attitude, of America’s new college student. The most complex issues will be tackled, including how to educate an increasingly diverse population and how to increase the relevance of higher education for a traditional-aged student population that is increasingly difficult to characterize in terms of values, attitudes, and beliefs.

Panelists in this conference will offer principles to guide decision making about meeting the intellectual, social, financial, and cultural needs of the new American college student. Join this interactive teleconference if you wish to better understand and serve your changing student population. – *Joan Jorde, TRIO Programs.*

Abbott Lectures Set For April 25, 26

The public is invited to attend one or both of the Chemistry Department 2002 Abbott Lectures, **Thursday and Friday, April 25 and 26**, presented by Sam Gellman, the Evan P. Helfaer Professor of Chemistry at the University of Wisconsin. The first lecture, titled “Organic Chemistry in the Service of Society,” is intended for a diverse audience and will be presented at 7 p.m. Thursday, April 25, in 101 Abbott Hall. The second lecture, “Foldamers: A New approach to

Controlling Molecular Shape and Function,” will be given at noon Friday, April 26, in 138 Abbott Hall.

Dr. Gellman is well known for his work in the study of biomolecules with well-defined folding behavior, or “foldamers.” This work incorporates elements of organic chemistry, biological chemistry, and biophysics. He has received numerous national and international awards for his research and also for his teaching. We look forward to two lectures that promise to be very enlightening and entertaining.

The George A. Abbott Lectureship was established by gifts from UND alumni. – *Department of Chemistry.*

“Betrayal” Plays At Burtness April 25-27

The fifth and final show of the Burtness Theatre season, “Betrayal” by Harold Pinter, will open **Thursday, April 25**, and run through **Saturday, April 27**. Shows begin at 7:30 each night.

Considered one of Pinter’s last producible plays, “Betrayal” is directed by graduate student Travis Maruska, who has updated the setting from 1978 to the 1990s. “Betrayal” travels backward from 1997 to 1988 to show key moments in the relationship of Emma (Heather Williams) and Jerry (Kevin Moberg), who set up a secretive household behind the back of Robert (Darin Kerr), Emma’s husband and Jerry’s friend. Russell Schonmeier plays the waiter.

Tickets are \$10 for general admission, \$5 with UND student ID. All seats are general seating. For more information on tickets, call 777-3446. For more information about the play, call me at 777-4075. – *Bethany Froelich, Burtness Theatre.*

Master Chorale Features “German Requiem” By Brahms

The Grand Forks Master Chorale will present German Requiem, or Ein Deutsches Requiem, of Johannes Brahms at 7:30 p.m. **Sunday April 28**, in Holy Family Church, 1001 17th Ave. S.

In the seven months since the attacks on New York and Washington, perhaps no other single piece of music has been performed more frequently than this one, arguably the biggest masterwork composed by Brahms. The Brahms Requiem is unlike any other you will ever hear. The typical requiem mass serves as a plea for mercy, peace and rest. Brahms redefined the nature of the requiem, and the result is a glorious work of music for the living that serves as strength and solace to all who mourn.

The Grand Forks Master Chorale, together with its special guests, the Greater Grand Forks Symphony Orchestra and the University Concert Choir, proudly welcome soprano Marla Fogderud and baritone Royce Blackburn as soloists in this moving masterpiece of soaring beauty and grace that speaks to all faiths. We hope you will come and hear this lovely work in the wonderful acoustic of Holy Family Church. Tickets may be purchased in advance or reserved by calling 701-777-3376. – *Gary Paur, Grand Forks Master Chorale, 777 3376.*

Decoding Diets Of Ancient Peoples Is Focus Of Sigma Xi Banquet Talk

The Sigma Xi initiation banquet is scheduled for **Monday, April 29**, at 7 p.m. at the Ramada Inn. A cash bar is available at 6:30 p.m. for those wishing to come early and relax before the dinner. The banquet speaker will be Henry Schwarcz, department of geology, McMaster University. The title of his talk will be: “You are What You Eat: Decoding the Diets of Ancient Peoples.” The talk will begin at 8:30 p.m., following the formal initiation of new members at 8 p.m. For those of you who cannot come to the dinner but would like to hear the presentation, we would suggest coming at 8 p.m. The banquet will include a buffet with three entrees and will cost \$13, which includes the gratuity. The banquet must be paid for in advance and reservations will be taken up to noon, April 26. If you find that you cannot attend after making a reservation, please call me at 777-2911.

Dr. Schwarcz received his Ph.D. in geology from California Institute of Technology. His work has taken him to Africa, Europe, and Israel, and he has collaborated with many archaeologists and paleoanthropologists in the study of human origins through the use of uranium-series and electron-spin resonance dating. Dr. Schwarcz has also used stable isotopes of oxygen, carbon and hydrogen as recorders of climate in cave deposits, corals, and fish otoliths. He has measured stable isotopes in bones and teeth as records of diet. He is a fellow of the Royal Society of Canada, held an Izaak Walton Killam Fellowship of the Social Sciences and Humanities Research Council, and has received the archaeological geology award of the Geological Society of America, as well as the Roald Fryxell Award of the Society for American Archaeology.

– *Fariba Roughead, Grand Forks Human Nutrition Research Center.*

Graduate Faculty Should Vote On Graduate Constitution April 30

Attention graduate faculty! There will be a meeting on **Tuesday, April 30**, at 3 p.m. in the Lecture Bowl of the Memorial Union to vote on the newly revised graduate faculty constitution. A quorum of graduate faculty is needed! Please note that the constitution has not been revised since 1982. The major changes evolve around changes to the membership of graduate faculty and the electorates or academic areas represented on the graduate committee. The role of the graduate committee has been reviewed in the course of this revision. Three informational meetings have been held on the campus this spring. At the meeting on April 30, a vote will be taken. Please find a draft of the constitution at www.und.nodak.edu/grad. Refreshments will be served. The graduate faculty constitution committee has been chaired by Barry Milavetz. The following faculty have served: Mary Cutler, John Erjavec, Ginny Guido, James Hikins, Mary Kweit, David Marshall, Katrina Meyer, Douglas Munski, Tom Mohr, Margaret Shaeffer, Shan deSilva, Kathryn Thomasson, and ex officio members David Perry and Joey Benoit. – *Cynthia Shabb, Graduate School.*

Seminar Addresses Autonomic Receptors In Salivary Glands

Pharmacology, Physiology, and Therapeutics will host a seminar, “Autonomic Receptors in Salivary Glands and Cell Lines” at 11 a.m. **Tuesday, April 30**, in 3933 (PPT conference room), School of Medicine and Health Sciences. Charles S. Bockman, assistant professor, department of pharmacology, Creighton University School of Medicine in Omaha, Neb., will present. – *Department of Pharmacology, Physiology, and Therapeutics.*

Announcements

2002 Merrifield Award Deadline Approaches

Faculty are asked to remind students that all papers to be considered for the annual Merrifield Competition Award must be submitted to the Department of Special Collections no later than **Friday, April 26**. The \$1,500 UND scholarship is awarded annually based upon a competitive review of original research papers that utilize primary resource materials held in the Elwyn B. Robinson Department of Special Collections in the Chester Fritz library. More information concerning research criteria and paper guidelines is available in Special Collections, located on the library’s fourth floor. – *Sandy Slater, Head, Special Collections, Chester Fritz Library.*

Proposals Sought For Fall Technology Conferences

All UND faculty and staff are invited to participate in the upcoming conference, “Beyond Boundaries: Integrating Technology into Teaching and Learning.” This conference, which highlights regional faculty and administrator

experience and success with technology in various e-learning environments, will be held **Thursday and Friday, Sept. 19-20**, in the second floor of the Memorial Union.

Proposals are sought for concurrent sessions, online or hybrid course showcases, and poster sessions for the conference. The deadline for submission is Tuesday, April 30. We encourage you to submit a proposal and share your knowledge, research and experience with other faculty and administrators from across the region. All sessions, workshops and vendor exhibits will focus on one of three tracks:

1. effective integration of technology into teaching and learning;
2. technology tools for e-learning;
3. student services and support for e-learning.

More information about the conference tracks and requirements for proposals are explained on the conference web site, www.conted.und.edu/elearning or feel free to contact CK Braun, chair of the conference planning committee, at 777-6403 or through e-mail, ck_braun@mail.und.nodak.edu.

If your proposal is accepted, you will be notified by June 15, and will receive additional information about reduction in fee registration, paper guidelines for the conference proceedings, etc. All proposals must be submitted online at the conference web address posted above.

– *CK Braun (Continuing Education), Chair, Conference Planning Committee.*

New Indirect Cost Rates In Effect For Sponsored Programs

As of **March 29**, the University approved an agreement with the Department of Health and Human Services (our cognizant federal agency for facilities and administrative rates) establishing predetermined facilities and administrative(F&A) rates for sponsored programs for the period of July 1, 2000, through June 30, 2005. We have been using provisional rates for the period July 1, 2000, through March 29, 2002. The provisional rates are as follows:

Instruction 50.40%

Instruction - Off Campus 26.00%

Research 41.30%

Research - Off Campus 24.60%

Other Sponsored 35.00%

Other Sponsored - Off Campus 26.00%

Energy and Environmental Research Center (EERC) 46.00%

EERC - Off Campus 25.00%

Human Nutrition Research Center (HNRC) 10.00%

The new F&A rates as determined by the March 29, 2002 agreement are:

FY01 FY02 FY03 FY04 FY05

Instruction	51.70%	51.70%	51.70%	51.70%	51.70%
Instruction - Off Campus	26.00%	26.00%	26.00%	26.00%	26.00%
Research	41.30%	41.30%	40.20%	40.20%	40.20%
Research - Off Campus	24.60%	24.60%	26.00%	26.00%	26.00%
Other Sponsored	35.00%	31.00%	31.00%	30.00%	30.00%
Other Sponsored - Off Campus	26.00%	24.70%	24.70%	24.70%	24.70%
EERC	46.00%	46.00%	47.70%	47.70%	47.70%
EERC - Off Campus	25.00%	25.00%	26.00%	26.00%	26.00%
HNRC	11.50%	11.50%	11.50%	11.50%	11.50%

These are the F&A rates to be used for all proposals. For awards made prior to July 1, 2000, the F&A rates in effect at the time of award will remain in effect throughout the life of the award. Any awards made on or after July 1, 2000 will follow the new rate schedule. Grants and Contracts staff have made changes to any current awards that required different F&A rates.

The rates are to be applied against total direct costs less individual items of equipment costing \$5,000 or greater(effective 7/1/01), capital expenditures, rental costs of off-site facilities, tuition remission, scholarships and fellowships and the portion of subcontract payments over \$25,000.

Questions concerning the use of these rates should be directed to the staff in Grants and Contracts at 777-4151. - *David Schmidt, Grants and Contracts and Dawn Pladson, Budget Office* .

Employees May Enroll In Courses At Low Cost

For just \$4.17 per credit hour, UND employees may enroll in University classes. You may take up to three academic courses each calendar year, and may be granted work release time for one academic class per school session after receiving approval from your supervisor for release time during working hours. You must have successfully completed your probationary period. You can continue your education, earn a degree, or improve your skills. Staff members may work toward a degree; faculty may take courses for credit. Both faculty and staff members may audit courses.

You can choose from hundreds of courses, ranging from management and sciences to languages and music, from exercise and ceramics to first aid and financial management. Here's how to enroll:

1. Pick up admissions materials, registration materials and a tuition waiver form at the Office of Admissions, 205 Twamley Hall (phone 777-3821) or at the Graduate School, 414 Twamley Hall (777-2784).
2. Choose the course you'd like to take. Prerequisites or other factors may affect registration.
3. Fill out the forms and have your supervisor/dean sign the tuition waiver forms. Return them to Admissions (undergraduates) or the Graduate School. Return the completed waiver forms to Admissions. The deadline for filing the waiver is Friday, May 3, for the summer session, and Friday, Aug. 16, for the fall semester.
4. Register according to instructions in the Time Schedule of Classes.

If you are enrolling for the first time, you need to complete and return an "Application for Admission" form, available from the Admissions Office or Graduate School. There is a \$25 matriculation fee for an employee who has not

previously enrolled. You may need to file transcripts from schools that you previously attended. Please note that some courses have additional fees that cannot be waived.

Take advantage of your \$1,000 Benefit! -- *Heidi Kippenhan, Director of Admissions, and Diane Nelson, Director of Personnel.*

Dave Miedema Will Shift Responsibilities With Foundation

Dave Miedema, executive vice president and CEO of the Alumni Association and Foundation, announced **Thursday, April 11**, he will shift his responsibilities within the organization to become director of major and planned giving for the Foundation.

Miedema said, "This is a personal decision. I am making this move because I found CEO administrative responsibilities were taking me away from having adequate time to work with donors and assist in fulfilling their charitable goals. I want to do what I most enjoy, and I believe this is how I can add the most value for our University and for the alumni. I deeply appreciate having the trust and confidence of the board of directors. The Alumni Association and the Foundation have a dedicated and talented staff, and I am looking forward with optimism to continuing as a member of this winning team."

Jim Brosseau, president of the Alumni Association, said, "Dave has done a wonderful job as CEO. This is his decision and we are respecting his wishes. We are pleased he will remain with the organization in a very important role. Dave is a true professional in the field of planned giving, and major gift fund raising and relationship development are critical components of our mission. Therefore, Dave's decision to dedicate his time and talents full time to development work will be positive for our organization as we meet our ambitious goals for the future."

Miedema will continue to serve as CEO until the board of directors selects his successor. Brosseau said a search process will begin immediately, with an appointment anticipated later this year.

The UND Foundation, with assets of \$100 million, is the sister corporation of the Alumni Association of UND. The UND Foundation is designated to receive alumni and other private gifts for the benefit of UND. The UND alumni association has a membership in excess of 100,000 graduates and former students, and conducts a comprehensive program of alumni activities throughout the nation.

For more information, contact me. – *DeAnna Carlson Zink, director of Alumni Relations and Marketing, UND Alumni Association.*

University Senate Members Elected

The following seven University Council members were elected on an at-large basis to serve two-year terms on the University Senate from September 2002 through August 2004: Royce Blackburn, John Bridewell, Judy DeMers, Albert Fivizzani, Mark Hoffmann, Randy Lee and David Marshall.

Judy DeMers was elected to serve a three-year term as faculty representative on the University Budget Committee. David Marshall was elected to serve a five-year term on the Faculty Rights Committee. John Bridewell was elected to serve a three-year term on the Council of College Faculties.

The 30 faculty elected to the special review committee for 2002-2003 are: Harmon Abrahamson, Michael Anderegg, James Antes, John Bridewell, Glinda Crawford, Richard Crawford, Mary Cutler, Albert Fivizzani, Kathleen Gershman, Barbara Handy-Marchello, Birgit Hans, Kenneth Hansen, Thomasine Heitkamp, Mark Hoffmann, Sukhvarsh Jerath, Robert Kweit, Scott Lowe, David Marshall, James Mochoruk, Janet Kelly Moen, Tom Mohr, David Perry, Thomas Rand, Elizabeth Rankin, Mary Jane Schneider, Kathy Smart, Gary Towne, Serge von Duvillard, Sharon Wilsnack, and

Sonia Zimmerman. – *Nancy Krogh (Registrar), Secretary, University Senate.*

IVN Announces Interim Director, New Employees

Jerry Rostad has been appointed interim director for the North Dakota Interactive Video Network (IVN). He replaces John Burbank, who retired at the end of March. Rostad has been IVN's academic coordinator for the past two years. Prior to joining IVN, Jerry was the video production specialist at NDSU agriculture communication for 12 years. He has a master's degree in communication from UND. Grant Crawford, NDUS chief information officer, is assembling a search committee to hire the permanent director.

Cheryl Thompson has been hired as IVN training specialist. She has 16 years experience in adult education in North Dakota. As education director for the North Dakota Bankers Association from 1984 until 1990, she planned and initiated training programs via IVN. She earned a master's degree in educational leadership in December 2001 from Tri-College University – NDSU, MSU-M and Concordia College. She also completed the requirements for a professional development certificate in distance education from the University of Wisconsin.

Heather Larson has been hired as IVN communication outreach specialist. She has five years experience in publication development and has held several freelance positions within the community including with the Grand Forks Chamber of Commerce and the UND College of Arts and Sciences. She worked for the School of Communication for 11 years before taking this position. Larson has a master's degree in communication from UND.

IVN is in the midst of implementing Internet-based videoconferencing over the North Dakota STAGENet. IVN is responsible for providing scheduling, bridging and troubleshooting support for the North Dakota University System, Tribal colleges, K-12 schools and state/local government.

Submit Textbook Requisitions Soon

The due date for fall textbook requisitions for the Barnes & Noble University Bookstore was **March 20**. We need this information from you for two very important reasons: first, we need to adopt each book into our system so we can determine which titles we can buy back from students during the week of buyback, **May 3-10**. This allows us to give more money to students. It also provides more used books for the incoming students, allowing them to save 25 percent compared to new prices. The second reason is to allow our textbook department the time needed to place orders and assure our students enough copies on hand when classes begin. If you have not yet submitted your fall textbook requests to the University Bookstore, please do so as soon as possible so we can provide the best service possible to our students and faculty. – *University Bookstore.*

June 20 Is last Day To Order Site Licenses

The last day for submitting site license software requests for this fiscal year is Thursday, June 20.

I would also like to remind you of the following yearly product cycles: ESRI product licenses run from July 1, 2002, through June 30, 2003, and AutoCad/desk is Oct. 15, 2002, through Oct. 14, 2003.

The current year's contract with PC-SAS expired Feb. 28. You will be able to order new or renew your current PC-SAS licenses at no charge. You will not be billed for new or renewal PC-SAS licenses. Please keep in mind that licenses that are not renewed will cease to function by the end of May. Renewing your license is the only way to keep PC-SAS functioning.

New and renewed licenses must still be ordered on the regular ITSS software licensing order form.

When ordering/renewing, please let us know which version you would like to install or renew by making a note in the comment section of the order form. PC-SAS 8.2 is available. There are six CDs in the 8.2 installation media set. Also available is version 8.1. If you wish to have older versions, please list those in the comment section so we are able to obtain the setinit you will need. In most cases only the most current versions are sent.

If you have questions regarding PC-SAS licensing issues, please contact me at Carol.hjelmstad@mail.und.nodak.edu or 777-3171. – *Carol Hjelmstad, Information Technology Systems and Services.*

Departing Faculty Should Be Aware Of Equipment Policy

A policy and procedure titled “Equipment/Supplies-Transfer/Sale Procedures for Department Faculty” is available from the Purchasing Office. This policy and procedure should be included in your administrative manual. A copy may be requested from purchasing at 777-2681 or by using the web address, <http://www.und.edu/dept/purchase/surplus.html>. Any concerns or questions regarding the policy and procedure can be directed to Jerry Clancy at 777-2681.

EERC Will Use Infrared Thermography

The EERC recently added advanced infrared thermography to its research capabilities.

While infrared thermography has been used for years in space and medical research applications, EERC researchers will soon apply the technology to improve the efficiency of advanced coal-fired power systems. Through a new contract with the U.S. Department of Energy National Energy Technology Laboratory, the EERC has procured an infrared camera, the only one of its kind in North Dakota.

The EERC’s new digital infrared camera uses thermal emissions to measure apparent surface temperature and thermal gradients to detect conditions that impact heat flow. Applied to advanced combustion technology, infrared thermography can nondestructively detect and record differences in thermal performance of critical system components and materials.

In addition to improving the efficiency of coal-fired combustion systems, infrared thermography will be used in advanced materials testing. At the EERC, the technology may also be used in environmental research such as energy audits and environmental waste cleanup projects.

A nondestructive tool for assessing thermal variations, infrared thermography is especially well suited to assessing construction practices in the building industry. In cold climate regions, where well-insulated, energy-efficient buildings are so critical, infrared thermography can identify problems well before the heating bills start to mount. – *Kirk Williams, EERC Research Engineer.*

U2 Lists Classes

Following are classes offered by U2, University within the University.

INSTITUTIONAL RESEARCH

Annual Reporting 101:, 361 Upton II. **Please pre-register for one of the following sessions:**

Thursday, April 25, 8 to 9:30 a.m. OR 10:30 a.m. to noon; **Monday, April 29**, 1 to 2:30 p.m. OR 3 to 4:30 p.m.; **Tuesday, April 30**, 1 to 2:30 p.m. OR 3 to 4:30 p.m. This is a workshop to familiarize campus units with the new standardized format for the annual reporting process. This hands-on workshop will introduce the annual reporting web site, view samples of the core dataset, view available reports, and will explore the basics of Excel interactive tables.

Presenters: Carmen Williams and Carol Drechsel, Institutional Research.

INFORMATION TECHNOLOGY SYSTEMS AND SERVICES

ITSS 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. A \$10 manual is optional for Excel. Instructor: Jim Malins.

Excel 00, Level II: April 29, May 1 and 3, 9 to 11:45 a.m. (eight hours total). Prerequisite: Excel Level I. Filter and sort data, import and export data, create pivot tables, link worksheets and workbooks, create reports, create macros.

SAFETY AND ENVIRONMENTAL HEALTH

Don't Get Burned . . .: May 2, 10 a.m. to noon, 128 Ryan Hall. This course will cover issues related to fire and life safety. Fires are emergencies that can be devastating to individuals at both the workplace and at home. In addition to learning about basic fire safety principles, course participants will receive instruction and hands-on experience in the use of portable fire extinguishers. Presenters: Jason Uhlir, Safety and Environmental Health; Mike Powers, Facilities.

Registering for U2 workshops is easy! Contact Amy Noeldner at the University Within the University office at 777-2128, fax at 777-2140, U2@mail.und.nodak.edu, or mail to Box 7131.

To register online, go to 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, 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. – *University Within the University*.

Studio One Lists Guests

This week on “Studio One,” astrophysicist Alex Filippenko will share his knowledge of the Hubble Space Telescope. He will discuss the purpose of the telescope and show images from various atmospheric events.

Also on “Studio One,” Manya Friedman will describe her experience as a survivor of the Holocaust. She will explain why she feels it is important to remind people of the past, despite painful memories.

“Studio One” is an award-winning news and information program produced at the UND Television Center. The program airs live April 18 on UND channel 3 on Thursdays. Rebroadcasts can be seen at noon, 7 and 11 p.m. daily and on Saturdays at 10 a.m. Prairie Public Television airs “Studio One” on Saturday at 6 a.m.

The program can also be seen in Fargo, Bismarck/Mandan, Minot, Minneapolis and Winnipeg, Manitoba. – *Bethany Dennie, Studio One Marketing Team*.

Grants and Research

Research, Grant Opportunities Listed

Following are research and grant opportunities. For additional information, contact the Office of Research and Program Development at 777-4278 or shirley_griffin@mail.und.nodak.edu.

AMERICAN SOCIETY FOR INFORMATION SCIENCE AND TECHNOLOGY (ASIS)

Citation Analysis—Support for research based on a broad definition of citation analysis, including analysis using resources developed by the Institute for Scientific Information (ISI). **Contact:** ISI/ASIS Citation Analysis Research Grant, I.S.I., 3501 Market Street, Philadelphia, PA 19104; <http://www.asis.org/awards/citation.isi.htm>. **Deadline:**

6/1/02.

DEAFNESS RESEARCH FOUNDATION

Support for research to advance understanding of the causes, treatment, and prevention of deafness and related ear disorders. **Deadlines:** 6/1/02, 8/1/02. **Contact:** Mychelle Balthazard, 202-289-5850, x1010; mychelle@drf.org; http://www.drf.org/researchGrants/display_showRGC.cfm?displayRGC=2.

DEFENSE ADVANCED RESEARCH PROJECTS AGENCY (DARPA)

Optical Code Division Multiple Access (O-CDMA) Technology and Systems (BAA02-18. **Deadline:** 5/24/02. **Contact:** Jagdeep Shah, BAA02-18@darpa.mil; <http://www.darpa.mil/>.

DEPARTMENT OF EDUCATION

Program of Research on Reading Comprehension (OERI)--Support to expand scientific knowledge of how students develop proficient levels of reading comprehension. **Contact:** Anne P. Sweet, 202-219-0610; PRRCinfo@ed.gov; http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2002_register&docid=02-8718-filed; <http://e-grants.ed.gov>.

Deadlines: 4/29/02 (Letter of Intent, email PRRCLettersofIntent@ed.gov); 5/31/02 (Application).

DEPARTMENT OF ENERGY (DOE)

Biomass Research and Development for Production of Fuels, Power, Chemicals and Other Economical and Sustainable Products (SOL 86382). **Deadline:** 5/14/02. **Contact:** Wallace O. Adcox, 703-787-1354; Wallace.adcox@mms.gov.

Mining Industry of the Future/Mineral Processing Technology. **Contact:** Donna J. Jaskolka, jaskolka@netl.doe.gov; http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2002_register&docid=02-4393-filed. **Deadline:** 6/3/02.

Nuclear Explosion Monitoring Research and Engineering Program (OAK)--Support for research to increase nuclear explosion monitoring effectiveness through improved understanding of basic earthquake and explosion phenomenology.

Deadline: 5/24/02. **Contact:** Gloria Abdullah-Lewis, 510-637-1863; gloria.abdullah-lewis@oak.doe.gov; http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2002_register&docid=02-8617-filed.

Support for research that could lead to strategies to improve the use of the poplar tree, genus Populus, for long-term sequestration of atmospheric carbon. **Contact:** John Houghton, 301-903-8288; john.houghton@science.doe.gov; http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2002_register&docid=02-8233-filed. **Deadline:** 5/30/02.

Support for theoretical research in magnetic fusion energy sciences. **Deadline:** 6/4/02. **Contact:** John Sauter, john.sauter@science.doe.gov; http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2002_register&docid=02-6033-filed.

DEPARTMENT OF THE AIR FORCE

Electronic Protection Initiatives Program (EPI) (SOL PRDA-02-10-SNK). **Deadline:** 5/28/02. **Contact:** Noreen Bennett, 937-255-4783; Noreen.Bennett@wpafb.af.mil; <http://www.eps.gov>.

Ultra High Performance Photonic Materials (SOL PRDA -02-03-MLK)--Support to develop materials and processes for low power integrated optical devices such as switches, modulators, directional couplers, and multiplexers/demultiplexers. **Deadline:** 5/24/02. **Contact:** Walter Pemberton, 937-656-9033; Walter.Pemberton@wpafb.af.mil; <http://www.eps.gov>.

INTERNATIONAL LIFE SCIENCES INSTITUTE (ILSI)

Research Award for Physiological Effects of Carbohydrates. **Deadline:** 6/1/02. **Contact:** Grants Administrator, 202-659-0074; rfoundation@ilsi.org; <http://www.ilsi.org>.

NATIONAL CENTER FOR RESEARCH RESOURCES (NCRR)

Support for development of new and improved instruments or devices, new methodologies, or software to be used in biomedical research. **Deadlines:** 6/1/02, 10/1/02. **Contact:** Gregory K. Farber, 301-435-0755; farberg@ncrr.nih.gov; <http://grants.nih.gov/grants/guide/pa-files/PAR-01-057.html>.

Support for General Clinical Research Centers to facilitate patient-oriented research in a cost-effective approach.

Contact: David Wilde, 301-435-0790; dw171w@nih.gov; <http://www.ncrr.nih.gov/clinical/crguide/crtoc.htm>; <http://www.ncrr.nih.gov/clinical/crgerc.htm>. **Deadlines:** 6/1/02, 10/1/02.

NATIONAL HUMAN GENOME RESEARCH INSTITUTE (NHGRI)

Dissertation Research Grants--Support to stimulate and encourage underrepresented minority doctoral candidates to conduct research related to the ethical, legal, and social implications (ELSI) of genetics, genomics, and gene-environment interaction research. **Deadlines:** 6/1/02, 10/1/02, 2/1/03. **Contact:** Jean E. McEwen, 301-402-4997; jm522n@nih.gov; <http://grants.nih.gov/grants/guide/pa-files/PA-02-048.html>.

NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES (NIAID)

Support for applied studies in specific gap areas identified in current HIV therapeutics (PA-99-067). **Contact:** Nava Sarver, 301-496-2970; ns18p@nih.gov; <http://grants.nih.gov/grants/guide/pa-files/PA-99-067.html>. **Deadlines:** 5/1/02, 9/1/02, 1/2/03.

NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT (NICHD)

Support for biomedical and behavioral research projects in population science; reproductive science; pregnancy and birth; human growth and nutrition; normal and atypical development; pediatric, adolescent and maternal HIV/AIDS; genetics and teratology; developmental biology; and medical rehabilitation research (PAR-99-126). **Contact:** Steven Kaufman, 301-496-4924; sck@nih.gov; <http://grants.nih.gov/grants/guide/pa-files/PAR-99-126.html>; <http://grants.nih.gov/grants/funding/phs398/phs398.html>. **Deadlines:** 6/1/02, 10/1/02, 2/1/03.

NATIONAL INSTITUTE OF DENTAL AND CRANIOFACIAL RESEARCH (NIDCR)

Exploratory/Developmental Awards for Research on HIV/AIDS Infection and the Oral Cavity (RFA-DE-02-007). **Deadlines:** 4/24/02, 5/24/02. **Contact:** Dennis F. Mangan, 301-594-2421; Dennis.Mangan@nih.gov; <http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-02-007.html>.

NATIONAL INSTITUTE OF DIABETES AND DIGESTIVE AND KIDNEY DISEASES (NIDDK)

Support to increase the racial and ethnic diversity of scientists in the research areas of diabetes, endocrinology, metabolism, digestive diseases, hepatology, obesity, nutrition, kidney, urology, or hematology (PAR-02-032)..

Deadlines: 6/1/02, 10/1/02, 2/1/03. **Contact:** James Hyde, 301-594-7692; jh486z@nih.gov; <http://grants.nih.gov/grants/guide/pa-files/PAR-02-032.html>.

NATIONAL INSTITUTE OF MENTAL HEALTH (NIMH)

Center for Collaborative Genetic Studies on Mental Disorders (RFA: MH-03-003)--Support for a Center for Collaborative Genetic Studies on Mental Disorders, which will contribute to improvement and enrichment of research resources to be distributed for genetic studies of mental disorders. **Contact:** Steven O. Moldin, 301-443-2037; smoldin@mail.nih.gov; <http://grants2.nih.gov/grants/guide/rfa-files/RFA-MH-03-003.html>. **Deadlines:** 9/16/02 (Letter of Intent), 10/16/02 (Application).

Support for Development of Dissemination and Implementation Tools for Delivery of Empirically Validated Mental Health Interventions in Rural and Frontier Areas (SOL NIMH-02-DS-206X); Mental Health Intervention and Services Trial Operational Archive; Developing Research Based Training Modules for Conducting Community Based Mental Health Interventions and Services Research with Underserved Racial/Ethnic and Rural/Frontier Populations; Web-based Resource on Meeting Mental Health Needs of Individuals with Neuropsychiatric and Neurodevelopmental Disorders; Evaluating Mental Health Interventions and Services Research Protocols in Urban and Rural Communities. **Deadline:** 5/22/02. **Contact:** Alex Navas, 301-443-2696; anavas@mail.nih.gov; <http://www.nimh.nih.gov/grants/indexcon.cfm>.

Support to study neuroimmune molecules and mechanisms involved in regulating normal and pathological central nervous system (CNS) function (PA-02-045). **Deadlines:** 6/1/02, 10/1/02, 2/1/03. **Contact:** Lois Winsky, 301-443-5288; lois@helix.nih.gov; <http://grants.nih.gov/grants/guide/pa-files/PA-02-045.html>.

Support to integrate basic behavioral science and public health expertise in collaborative research on mental health and disorders (PA-00-078). **Deadlines:** NIH Standard. **Contact:** Peter Muehrer, 301-443-4708; pmuehrer@nih.gov;

<http://grants.nih.gov/grants/guide/pa-files/PA-00-078.html>.

NATIONAL INSTITUTE OF NURSING RESEARCH (NINR)

Support for research interfacing genetics with nursing research (PA-97-047). **Deadlines:** 7/1/02, 11/1/02, 3/1/03. **Contact:** Hilary D. Sigmon, 301-594-5970; <http://grants.nih.gov/grants/funding/phs398/phs398.html>; <http://grants.nih.gov/grants/guide/pa-files/PA-97-047.html>.

NATIONAL INSTITUTE ON ALCOHOL ABUSE AND ALCOHOLISM (NIAAA)

Mechanisms of Alcohol-Induced Tissue Injury (PA-02-035)--Support to study the underlying cellular and molecular mechanisms by which chronic ethanol ingestion initiates tissue injury. **Deadlines:** 6/1/02, 10/1/02, 2/1/03. **Contact:** Denise A. Russo, 301-402-9403; DRusso@mail.nih.gov; <http://grants.nih.gov/grants/guide/pa-files/PA-02-035.html>.

Support to study the alcohol tobacco interaction in its implications for alcoholism treatment (PA-02-064). **Deadlines:** 6/1/02, 10/1/02, 2/1/03. **Contact:** Joanne B. Fertig, 301-443-0635; jfertig@NIAAA.nih.gov; <http://grants.nih.gov/grants/guide/pa-files/PA-02-064.html>.

NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)

Assessment of Potential Psychomotor Stimulant Treatment Medications in Rodents (RFP N01DA-2-8822). **Contact:** Patricia Mummaugh, 301-443-6677; pm69j@nih.gov; <http://www.nida.nih.gov/RFP/RFPList.html>. **Deadline:** 5/23/02.

Medications Development for Stimulant Dependence (MDS) (N01DA-2-8824). **Contact:** Kenneth E. Goodling, 301-443-6677; kg25d@nih.gov; <http://grants2.nih.gov/grants/guide/notice-files/NOT-DA-02-023.html>. **Deadline:** 6/7/02.

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA)

Climate and Global Change Program--Support for programs providing reliable predictions of climate variability and change with associated regional implications on time scales ranging from seasons to a century or more. **Contact:** Irma duPree, 301-427-2089 x-107; irma.dupree@noaa.gov; http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2002_register&docid=02-8453-filed. **Deadlines:** 5/7/02 (Letter of Intent), 7/6/02 (Application).

NATIONAL SCIENCE FOUNDATION (NSF)

Funding for proposals that address the physical, chemical, and/or biogeochemical processes of the Arctic freshwater system and its connections with subpolar oceans and Arctic environmental change (NSF-02-071). **Deadline:** 6/3/02. **Contact:** Michael Ledbetter, 703-292-7432, mledbett@nsf.gov; Robin Muench, 703-292-7436, rmuench@nsf.gov; <http://www.nsf.gov/pubs/2002/nsf02071/nsf02071.txt>.

Global Change--Support for research seeking to improve understanding of the Earth's hydrologic and energy cycles to support better assessments of the potential impact of human activities on those cycles and on the climate system in general. **Deadline:** 6/1/02. **Contact:** L. Douglas James, 703-292-8549; ldjames@nsf.gov; http://www.nsf.gov/geo/egch/gc_weave.html.

Partnership for Advancing Technologies in Housing (PATH) (NSF 02-083)--Support for research and development, information and outreach, and planning and barrier analysis to improve the affordability and value of today's new and existing homes. **Deadline:** 6/1/02. **Contact:** P. N. Balaguru, 703-292-7020; pbalagur@nsf.gov; <http://www.nsf.gov/pubs/2002/nsf02083/nsf02083.htm>.

Support for laboratory, field, theoretical, and computational studies related to composition, structure, and processes of the earth's interior. **Deadlines:** 6/1/02, 12/1/02. **Contact:** David Fountain, 703-292-8556; dfountain@nsf.gov; <http://www.geo.nsf.gov/cgi-bin/showprog.pl?id=72&div=ear>.

Support for research in hydrologic science which is interactive on a wide range of space and time scales with the ocean, atmospheric, solid earth, and plant and animal sciences. **Deadlines:** 6/1/02, 12/1/02. **Contact:** L. Douglas James, 703-292-8549; ldjames@nsf.gov; <http://www.geo.nsf.gov/cgi-bin/showprog.pl?id=14&div=ear>.

NATIONAL SCIENCE FOUNDATION (NSF) AND NATIONAL INSTITUTES OF HEALTH (NIH)

Funding for students in the biological sciences, computer sciences, engineering, mathematics, and physical sciences to gain interdisciplinary bioengineering or bioinformatics research and education experiences in Summer Institutes (NSF-02-109). **Deadlines:** 5/26/02 (Letter of Intent), 6/27/02 (Proposal). **Contact:** Sohi Rastegar, NSF, 703-292-7946, srastega@nsf.gov, <http://www.nsf.gov/pubs/2002/nsf02109/nsf02109.htm>; Richard Swaja, NIH, 301-451-4779; swajad@od.nih.gov; <http://grants2.nih.gov/grants/guide/notice-files/NOT-EB-02-003.html>.

PARALYZED VETERANS OF AMERICA (PVA)

Spinal Cord Research Foundation--Support for research in clinical and functional studies of medical, psychosocial, and economic effects of spinal cord injury or disease, as well as interventions proposed to alleviate these effects. **Deadline:** 6/1/02. **Contact:** Spinal Cord Research Foundation, 202-416-7651; scrf@pva.org; <http://www.pva.org/NEWPVASITE/research%20&%20education/scrf/guideapps.htm>.

-- *William Gosnold, Interim Director, Office of Research and Program Development.*

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