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UNIVERSITY LETTER

UND's WEEKLY NEWSLETTER

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TOP STORIES

Faculty, researchers sought for UND experts directory

President Charles Kupchella is asking faculty and researchers to help “populate” the newly redesigned online UND experts directory. Created by the Office of University Relations, the web site is one of several ways in which UND will showcase its expertise and at the same time provide access to service. It will also be a resource that will allow colleagues, the media, and the public in general to connect to expertise on campus. The UND Experts Directory can be accessed at <http://www.und.edu/experts>. The site currently spotlights academic units and stand-alone research centers, but it will soon be modified to include non-academic service units.

The retooled web site now features a searchable database. For example, type in “gene” and the following names (added during various test phases) pop up in the database: David Bradley, Ann Flower, Mahesh Lakshman, John Martsof, Peter Meberg, Roger Melvold, Darrin Muggli, Matthew Nilles, Kevin Young.

The process for getting into the database is simple. The online submission form is designed to allow faculty and researchers to cut and paste from their vita, or, if you prefer, type in fresh material. In addition to basic information (name, title, contact information, etc.), the form allows you to include information under the following categories:

- Education, Publications, Consulting
- Research, Grants, Special
- Presentations, Patents, Works in Progress

To participate, faculty and researchers can go to <http://www.und.edu/experts/submit> and begin filling in the form. Note that you will be asked to provide your NAID number (which will be kept confidential). This will allow you to modify your entry at a later date. Faculty members, for example, may want to update their entries when they provide their October supplements.

Reminder to complete harassment training program

We thank those who have completed harassment training. If you have not yet completed the training, please do so immediately. This training is required for all faculty and staff, graduate students who teach, and students who supervise others in support of UND’s efforts to promote a respectful campus community for everyone. If you have any questions regarding how to access the training program, please contact the Office of General Counsel at 777-6345. Thanks for your cooperation.

– Charles Kupchella, president.

Third provost candidate visits campus March 4

The third candidate for the position of provost and vice president for academic affairs will visit the University March 4, according to Martha Potvin, dean of the College of Arts and Sciences and chair of the search committee.

The schedule follows:

Sona Karentz Andrews, vice provost, academic affairs, University of Wisconsin-Milwaukee.

Thursday, March 4:

9-10 a.m. — Meeting with department chairs and campus administrators, TBA.

3:30 p.m. — Open reception, talk and Q&A, North Dakota Museum of Art.

4:30 p.m. — Meeting with faculty, North Dakota Museum of Art.

Sona Karentz Andrews

Ph. D., Arizona State University, Tempe, Arizona, 1981 (geography)

M. A., Arizona State University, Tempe, Arizona, 1977 (geography)

B. A., Worcester State College, Worcester, Massachusetts, 1975 (geography)

The vice provost for academic affairs at the University of Wisconsin-Milwaukee since 2003, Sona Karentz Andrews has served at UW-Milwaukee as associate vice chancellor of academic affairs (2001-2003), assistant vice chancellor of academic affairs (1995-2000), and as professor (1994-present) and associate professor (19988-1994) of geography. She spent 2000-2001 as an American Council on Education (ACE) Fellow at Carthage College in Kenosha, Wis. She served as an assistant professor of geography at the University of Minnesota, Minneapolis, from 1981 to 1988.

At UW-Milwaukee, she is responsible for all campus personnel decisions, including faculty recruitment, hiring, and development. She initiated an employee professional development program and is credited for the University being ranked sixth best place for women to work by Milwaukee Magazine in 2003. She developed UW's first technology plan and has been instrumental in instituting practices that have helped the institution attract and retain diverse faculty and staff. She works closely with the deans of all schools/colleges on matters related to budget, curriculum, and new initiatives.

She has served as a board member for Wisconsin Women in Higher Education Leadership and is the state coordinator for the American Council on Education Fellows, has served on the editorial boards of academic journals in her field, and has received grants totaling more than \$630,000. Presently she is a committee member in Wisconsin Lt. Gov. Barbara Lawton's Fund Raising Task Force on Wisconsin Women = Prosperity Initiative.

Andrews is interested in interactive mapping, tactual mapping for people with sensory impairments, and Geographic Information Systems (GIS). In addition to a number of publications, Andrews is the author of "Beyond Seeing and Hearing: Teaching Geography to Sensory Impaired Children An Integrated Based Curriculum Approach," and cartographer for the "Minnesota Travel Companion: A Guide to History Along Minnesota's Highways" and "Wisconsin Travel Companion: A Guide to History Along Wisconsin's Highways."

Provost candidate Dobney discusses issues facing UND

Frederick Dobney, one of three candidates for the position of provost and vice president for academic affairs, addressed some of the issues facing UND during a recent public talk.

Dobney earned his bachelor's degree in history in 1966 from Baylor University and his doctorate, also in history, from Rice University in 1970. Currently a professor of history at Western Michigan University, Dobney served as Western Michigan's provost and vice president for academic affairs from 2000 to 2002. He served as executive vice president and provost and professor of social sciences at Michigan Technological University from 1993 to 2000, and has worked at Washington State University, Loyola University, and St. Louis University. His teaching field include American technology, recent American history, and U.S. presidential elections.

In his public talk, Dobney said the biggest problem facing UND is a projected decrease in North Dakota high school graduates between now and 2018: an estimated drop of 30 percent. In contrast, North Carolina's graduates are expected to soar by 33 percent. Dobney said the challenge will be to capture enough out-of-state students to maintain the institution. Faculty, he said, must be involved in planning for UND's future.

Dobney reviewed options to address the problem:

- Increase the number of North Dakota high school graduates that go on to college. However, he said, the state

already has one of the highest rates in the country of students who attend college.

- Enroll a larger percentage of high school graduates than other institutions in the state.
- Recruit more outstate students, although Minnesota is projected to raise just one percent, and neighboring states are also expected to have decreasing numbers of high school grads.
- Recruit more international students at the undergraduate level. Michigan, he said, has done this successfully with branch campuses in other countries.
- Offer more courses and programs online.
- Reduce course offerings and the number of faculty.
- Keep programs but downsize, which will have the effect, he said, of "bleeding the programs into mediocrity."

Another issue facing UND, Dobney said, is the balance between teaching and research. With a recently added vice president for research, UND has emphasized the increasingly important role of research at the institution. However, he noted, there is no comparable vice president for instruction. UND needs to convey to teaching faculty that they're valued. Remaining student-centered while growing research is a challenge, Dobney said, adding that there is no easy solution.

It seems we demand more of faculty each year, Dobney said, enumerating teaching, research, service, advising, governance, graduate supervision, fundraising, alumni cultivation, recruiting, assessment, and economic development roles. Faculty are under siege, and no longer appear to be held in the high esteem they enjoyed some 60 years ago. Faculty salaries are low, Dobney said, asking how can we convince faculty to continue to exhibit enthusiasm and optimism. The answer is for administration, students, and the community to respect and appreciate faculty and believe that what faculty do is important to society.

Dobney said that he's optimistic that universities as we know them will continue to exist. "We play a huge role in the education of 18-22 year-olds," he said, citing universities as a bridge from the teens to adulthood. Though there will be "nibbling at the edges," universities will remain and need to be more nimble and responsive in a time of rapid change.

UND is an excellent institution, he said, with first-rate faculty and good facilities, and no problems money can't solve. To fully embrace the future, UND must be aggressive. You can blame circumstances or change them, he said.

Dobney then took questions from the audience, the answers to which are summarized below.

- Faculty cannot do everything, he said. Goals must be defined, and departments must figure out how to accomplish them. He recommends capitalizing on strengths, and allowing good researchers to teach less so that good teachers can teach more. Division of labor, he said, is the answer. "We need to stop thinking of faculty as renaissance scholars," he said. We can't do everything well. Each faculty member, he said, should play a role to strengthen the department and university. The key is to reward both teaching and research
- When asked if his previous answer redefined scholarship, Dobney said every faculty member must be involved in scholarly activity, including teachers. "Scholarship keeps you alive intellectually," he said.
- One faculty member asked if the research agenda competes with the scholarly agenda. Dobney said he advocates a division of labor in each department that includes having senior faculty in undergraduate classrooms. "Scholarship reinforces and revitalizes the educational enterprise," he said, adding that not every college can contribute equally to the research mission.
- When asked how assessment and reallocation took place at Western Michigan, Dobney said that the president decided to pursue centers of excellence. The university could not, he said, invest equally in everything, and they identified units which would receive special funding to achieve the next success level. It worked there, he said, and might work here. At Michigan Tech, each area gave back one percent of their budget for reallocation, which was plowed into other areas. This, Dobney said, makes an institution anemic, and reallocation can only succeed when everyone works together. Institutions need to agree how to approach a program and approve a process, then implement a rational process. The faculty, he said, need to be part of this.
- One faculty member asked Dobney about his career path, which has run the gamut from classroom to the position of provost and VPAA. Presently, Dobney is in the classroom and applying for another provost position. Dobney said he went "from the frying pan to the fire from Michigan Tech to Western." The president there, he said, was young and had not served as a faculty member, dean or provost, and Dobney thought his experience could help the new

president run the university. However, Dobney said, the president wanted a “yes man,” and the two did not get along. Though Dobney supported his president publicly, he protested the firing of deans and began job-hunting. After Dobney was offered a presidency in the State University of New York system, the president said he’d recommend Dobney for an interim presidency after he, the president, left. Dobney accepted, and three weeks later was fired. Dobney said he is somewhat hesitant about returning to administration, but thinks he’d make a good provost who has a lot to offer in the right job.

- The use of technology in the classroom is growing, Dobney said, and its applicability to different disciplines varies. Team learning is important.
- Dobney said he views general education as an important component of a liberal arts education. His view is that a graduate from an institution should be distinguished by certain traits. The general education curriculum here, he said, is too varied, and the curriculum should be more prescriptive. “Identify the characteristics you want and assign the courses,” he said, citing goals for students to be computer literate, able to write and speak, and possess a general knowledge of the great works. “I’m not convinced a long list ensures that they learn what you want.”
- Regarding the university pay scale, Dobney congratulated faculty on raises of 5 and 7 percent. But, he said, when looking at the starting salaries, that increase is not impressive. The fact that faculty compensation is 20 percent below the median is a major problem. He said there is a tradeoff when it comes to faculty salaries: choose to hire more people at lower salaries, or fewer people at higher salaries. It’s a tough choice, he said, but he’d rather invest money into salaries until they reach a reasonable level.

– Jan Orvik, editor, University Letter.

Provost candidate Coultrap-McQuin discusses values, commitments, challenges at open forum

Susan Coultrap-McQuin, one of three candidates for the position of provost and vice president for academic affairs, discussed her values and commitments as well as challenges facing higher education at an open forum Feb. 23.

She currently serves as dean of the College of Social and Behavioral Sciences at Minnesota State University-Mankato, a position she has held since 1995. She earned her bachelor’s degree in English and French from Iowa State University in 1969, and her doctorate in American studies from the University of Iowa in 1979. She has worked at the University of Maryland European Division, Michigan State University, and the University of Minnesota, Duluth. Her research expertise is in 19th century women writers and their publishers, feminist ethics, women’s studies, higher education, and teaching.

In her talk, Coultrap-McQuin said she believes there is a place in higher education for all types of institutions, public and private, and that she is deeply committed to public education. Each person who desires access to higher education should be able to receive an affordable, high-quality education. Education, she said, must both prepare students to both live an intellectually rich life and make a living. She also believes that institutions of higher education have a responsibility to create and share knowledge, and help the world solve problems. State-supported institutions are obligated to help their communities increase their quality of life. UND, she said, embodies that mission: quality, affordable education, active in research, and a partner enhancing both social and economic life in the region.

It’s a cliché, Coultrap-McQuin said, to say that institutions of higher learning must focus on student learning. She believes that it is the central mission of the institution. “Students deserve the best possible education we can give them.” Public institutions, she said, must provide students with the context to encounter different viewpoints and experiences, and to learn from peers, faculty, staff, and administrators. She believes higher education should offer rich diversity, cultural opportunities, and an environment in which everyone is constantly learning.

She enumerated six challenges facing higher education today, and said that institutions must meet those challenges strategically and optimistically. One can, she said, find opportunities in those challenges. Her list is detailed below:

- Decreased funding: North Dakota, she said, has come through funding decreases more successfully than many other states, But funding will always be tight, and universities must become even more efficient. They need to defend their expenditures. People are skeptical of providing tax monies for higher education, she said, and this will likely not change. A forward-looking institution can respond by improving internal business processes, seeking new revenue sources (external grants and contracts), looking at new ways to provide education, and increasing fundraising efforts.
- Market orientation: Coultrap-McQuin said there has been a shift in funding: rather than provide monies directly to

institutions, dollars are funneled to students via grants and loans. This has encouraged a “consumer” attitude in students, who demand customer satisfaction and assert the right to complain about expectations, rewards, and grades. From her perspective, Coultrap-McQuin said, there is a wide disconnect between the consumer and academic viewpoints. The solution, she said, is not to try to change the attitudes of students, but to explain to students why we do what we do. We need to build partnerships between the academic and student services areas to meet student needs, and to develop different pedagogical approaches such as applied and experiential learning.

- **Competition for students:** For-profit providers such as the University of Phoenix, Coultrap-McQuin said, have found new audiences of students. UND needs to do this too, in light of projections of decreased students over the next decade. We need to provide education at different times and at different sites. She also cited ranking services, such as U.S. News and World Report’s college rankings. “People assume that these are a measure of quality,” she said, but they are not a measure of what students are learning. Institutions need to consider how they appear in the rankings, and initiate a dialogue about what makes quality education: student success, learning styles, depth of learning demonstrated by students, critical/creative thinking skill. Faculty need to be up-to-date, engaged, and committed to student learning. Institutions need to implement better assessment techniques and to create greater visibility for academic excellence.
- **Demographic shifts:** New student populations differ ethnically and by age. All institutions want to attract a diverse body, Coultrap-McQuin said, but many are under-prepared to retain these students and meet their expectations. We need to examine and meet the curricular, social, cultural, and learning styles of these students. Similarly, we need to recruit more diverse faculty. To meet these challenges, she suggests partnerships between academic affairs and student services, welcoming diversity, and forming partnerships with the broader community.

Changing technology: Today’s students have grown up with computers and video games. As a result, they have become visual learners and non-linear thinkers, many with fewer reading, writing, and logic skills. They often lack some computer literacy skills, and we need to help them with this and their critical thinking skills. Institutions, she said, need to build in technology learning outcomes and change pedagogical strategies. Teaching in different ways can ensure that students are prepared for lifelong learning and online courses.

Fragile civil society: The belief that a liberal arts education teaches the foundation of a democratic society is not necessarily true anymore, Coultrap-McQuin said. Many people today tend to pull back from civil engagement and remain disengaged from the larger community. There is a lot of antisocial information online, she said, that emphasizes personal gain over social responsibility. All institutions, she said, need to begin thinking more deeply and fully about ways to help students become engaged in the civic life of the community. Campuses, she said, should model civic engagement and show students a model of civil society.

In closing, Coultrap-McQuin said that the challenges may be difficult, but are not discouraging if institutions hold to their core values of access, affordability, and excellence in teaching and services. “I see opportunity where others see no hope.” UND, she said, is well positioned to address these challenges, citing our strategic planning initiative. “It’s time to move the institution from good to great, and face the challenges,” she said.

Coultrap-McQuin then took questions from the audience, answers to which are summarized below.

- The provost’s role in helping increase research is crucial, she said, especially when allocating resources. That person will lead the deans and colleges to clarify expectations, make mentoring possible, and work on faculty development and collaboration. New faculty, she said, have high levels of energy and the drive to do research. This can re-energize senior faculty.
- When asked about her work ethic and commitment to the job if she is named provost, Coultrap-McQuin said she already works hard at her job as dean. She is aware, she said, of how much time a provost’s job can take. She loves working in higher education, and finds it energizing to have the opportunity to work with faculty and administrators to shape the future. She has a strong work ethic, but believes that community and family are also important, and would hope to role model a balanced life.
- When asked how the initiatives she’s been involved in at her previous post would apply to UND, she enumerated the following:
 - Increased the amount of experiential learning in the classroom, sent students to professional conferences, and encouraged undergraduate research.
 - Recruited more diverse faculty.
 - Increased the amount of research and commitment to research through mentoring and developing funding sources.
 - Built a donor base for the college and university.

Bring together interdisciplinary research opportunities to the community. For example, she said, one could bring together government, organizations, the school district, and police department to do such things as surveys, historic preservation, community planning, and enhancing libraries.

- When asked how she would address the problem of encouraging faculty who previously have not done much research, she said that each faculty member in higher education came with the skills to do research. New faculty, she said, can often re-energize senior faculty and departments. She believes in developing collaborative opportunities and encouraging people with similar interests. She also said she would pay attention to faculty interests and encourage them. Some people who haven't published can be up-to-date in their reading and have developed teaching theories, and she would encourage them to present that research.
- Regarding the centrality of research, Coultrap-McQuin said that she would promote a clear understanding of research expectations so faculty members aren't surprised by a strong emphasis on research. She followed up on a similar question by saying that expectations can change over time, and a new person ought not to change the rules but should quickly bring about a change. Her solution, she said, would include being clear on the importance of research, supporting and encouraging departments, and moving resources to support research.
- One faculty member mentioned that the tradition at UND is one of bottom-up faculty governance, and that each department has defined their teaching and research missions, then asking where administration stood on this tradition. Coultrap-McQuin said she doesn't yet know. In her campus visit, there has been a lot of discussion about the increasing importance of research and support for research, as well as research that increases economic development. As the institution changes, she said, everyone needs to be involved in that change. A top-down message should be an opening opportunity for dialogue about enhancing research and how colleges and departments can prioritize.
- In response to the above, one faculty member asked two questions: Where will the resources to support research come from? And who will teach? Coultrap-McQuin said that she can't yet answer the first question because she hasn't seen budgets. Money, though, can be moved to support priorities. Regarding teaching, she said it's important for students to encounter full professors at the beginning of their academic careers. But she would shift some teaching to graduate students and part-time faculty. Using graduate students, she said, doesn't necessarily create a bad learning environment.
- One faculty member asked about unfunded mandates in higher education. Coultrap-McQuin said it is her strong belief that if you ask people to do something, you need to make it possible to do it. She would look for more efficiencies. For example, some related services could be combined, and centers of learning could be enhanced. What's important, she said, is that the president has a vision to move the institution toward a future with more prominent research. The provost must determine the steps to support that goal.
- When asked how she'd reallocate monies, she said she has a process: understand the problem, discuss it with those involved, and put an allocation process in place. She would examine the size, circumstances, support, and technology in making a decision.
- Her view of the general education requirements is that a strong general education program would clarify what students are supposed to learn and would be built around learning outcomes. She would like to see a GE program that students take because it's exciting and engaging, and believes that each institution should put its own stamp on requirements. Rethinking general education could be done in a couple of ways: through the deans council and the colleges, or with a cross-section of people across campus studying the issue. General education, she said, should be discussed in a strategic way and should come through the academic units.
- Professional schools are important, she said, as is a liberal arts foundation. The provost should promote interaction and understanding between the liberal arts and professional schools.

– Jan Orvik, editor, University Letter.

Graduate school sponsors scholarly forum

Panel, presentations highlight forum

A panel discussion, "Proof in the Discipline" will open the graduate school's scholarly forum at 9 a.m. Tuesday, March 2, in the Memorial Union Lecture Bowl with Jim Williams (theatre arts), Jack Weinstein (philosophy and religion), and Katherine Sorenson (graduate student in mathematics). Using theatre arts' production of the play "Proof" as a springboard, this panel will explore the concept of what constitutes a proof within various disciplines. "Proof" runs all week at 7:30 p.m. from March 2-6 in the Burtness Lab Theatre.

The forum begins in the Memorial Union Lecture Bowl at 10 a.m. Tuesday, March 2, and at 10:15 a.m. Wednesday and Thursday, March 3 and 4. All presentations will be held in the Lecture Bowl of the Memorial Union. On Tuesday, March 2,

the English department is launching a mini symposium titled, "The Pleasures of the Text" and "The Passions of the Text," from noon to 3:30 p.m. in the Lecture Bowl. Following the mini symposium, Mary Burgan will give a keynote address, "Literature and Everyday Life: Pianos, Maps and Microbes." Dr. Burgan is with the American Association of University Professors and Professor of English, Indiana University.

Wednesday, March 3, a panel of women and their supporters in the sciences will discuss the themes that the play "Proof" introduces. This will be followed by student and faculty presentations. At noon, the department of atmospheric sciences will present their research, followed by a keynote lecture, "Hurricanes and Climate" given by Kerry Emanuel, Massachusetts Institute of Technology.

Thursday, March 4, a special lecture presented by Robin Wright will be given in the River Valley Room of the Memorial Union. Dr. Wright will be interested in talking to faculty and graduate teaching assistants about the scholarship of teaching. Following the lecture, presentations by students and faculty will be held in the Lecture Bowl. At 1 p.m. a discussion focusing around the play "Proof" will be led by Elisabeth A. Holland, National Center for Atmospheric Research.

For additional information about the forum, please contact the graduate school at 777-2786 or go to www.und.edu/dept/grad. A complete schedule is posted.

— Cynthia Shabb, assistant dean, graduate school.

Reception will honor AAUP secretary

Mary Burgan, general secretary of the American Association of University Professors, will be on campus Monday and Tuesday, March 1 and 2, for the graduate school's scholarly forum. A reception for her will be held Monday, March 1, from 3:30 to 4:30 p.m. in the East Asian Room, Chester Fritz Library.

This will be an informal gathering to talk about governance issues on university campuses and the necessary role AAUP continues to play nationally. The AAUP has been the voice of the profession for many years, a champion of academic freedom and an advocate for faculty rights and responsibilities.

Please stop by and meet Dr. Burgan. There will be coffee and cookies and good talk. And do join us at her keynote speech on Tuesday, March 2, in the Lecture Bowl at 3:30 p.m.

— Sandra Donaldson, English.

English symposium focuses on "The Pleasures of the Text"

In recognition of the English department's designation as UND's best research department at last year's Founders Day ceremony, the graduate school has invited the department to present a three-hour symposium Tuesday, March 2, and to invite a speaker to deliver a keynote address following the symposium.

You're invited to the English department's symposium on "The Pleasures of the Text," a celebration of the meaning, value, and fun of reading – and studying – literature.

Part 1: The Pleasures of the Text

Noon to 12:20 p.m., "The Joy of Texts: A Reading Performance of Writers on Reading." English department faculty and students will read celebrations of the glory of books and readings written by, among others, Elizabeth Barrett Browning, John Keats, John Milton, Adrienne Rich, Wallace Stevens, and William Butler Yeats. English lecturer and actor Darin Kerr will perform Garrison Keillor's "Your Book Saved My Life, Mister."

12:30 to 1 p.m., "Great Reading Experiences: Reports from the Field."

1 to 1:20 p.m., "Great Reading Experiences," open mike.

1:20 to 1:40 p.m., break.

Part II: The Passions of the Text

1:40 to 3 p.m., A panel of conference papers from English faculty and graduate students.

1:40 to 2 p.m., Kim Donehower (assistant professor), "Passionate Readers: Autodidacts and the Pleasures of the Text."

2 to 2:20 p.m., Amy Watkin, "Exploring the Inclusion of Rasselas in Jane Eyre."

2:20 to 2:40 p.m., Leslie Werden, "The Masking of Queen Elizabeth in Shekhar Kapur's Elizabeth."

2:40 to 3 p.m., Brian Schill, "Negating the Negative: Punks, Christians, and the Sublime."

Plenary Talk

3:30 to 4:30 p.m., Mary Burgan, "Literature and Everyday Life – Pianos, Maps, and Microbes." Dr. Burgan is the general secretary of the American Association of University Professors (AAUP) and former professor of Victorian literature and chair of English at Indiana University. Her writing focuses on 19th century literature and social history. Dr. Burgan's book, *Illness, Gender, and Writing: The Case of Katherine Mansfield*, is published by Johns Hopkins University Press. She also has written extensively on professional issues arising from her experiences as department chair, her work with disciplinary organizations, and her position as general secretary of the AAUP.

Burgan's talk will explore the fascinations of literary research, focusing on her own work as a Victorianist – which includes publications on the topics listed in her subtitle. The talk is meant to be accessible and interesting to a broad range of audiences.

Our thanks to Dean Joey Benoit and the graduate school for the invitation to arrange this symposium and for their strong support in planning and funding it.

– English department.

Theatre arts presents "Proof"

The theatre arts department will present "Proof" by David Auburn. This 2001 Pulitzer Prize recipient and winner of the Tony Award for the Best Play on Broadway will perform at the Burtness Lab Theatre Tuesday through Saturday, March 2-6. All performances begin at 7:30 p.m.

"Proof" is about the daughter of a famous yet unsound mathematician who has to confront her own heredity when a mathematical proof never before solved is found in her father's papers. Since its premiere, this thought-provoking and gripping drama has been produced throughout the country in unprecedented revivals. Although this is just Auburn's second play, the story has resonated with audiences, and generated discussion about the inequities of women in sciences as well as heredity of mental illness.

In conjunction with the production, the graduate school will feature two panels during its scholarly forum March 2-4. On Tuesday, March 2, the forum will present a panel discussion on the concept of "proof" in society. On Wednesday, March 3, a discussion on women in science will also be featured. Both panels begin at 9 a.m. in the Memorial Union. Theatre arts will also present a guest speaker, Elizabeth A. Holland, a biogeoscientist who will discuss issues relevant to the production of "Proof," at 1 p.m. Thursday, March 4.

For box office and reservation information, call 777-2587. Free reserved parking on campus is available the evening of performances.

– Theatre arts.

Speaker addresses "Teaching as Scholarly Work"

Robin Wright, associate dean of the College of Biological Sciences and professor of genetics, cell biology and development at the University of Minnesota, will share her experiences in this scholarship of teaching, reflecting on her work with graduate students and graduate faculty members alike. She will speak as part of the scholarly forum Thursday, March 4, at 9 a.m. in the Memorial Union Lecture Bowl. Her talk is tentatively titled, "Teaching as Scholarly Work: Research Rigor Applied to Teaching Methods and Assessment."

Dr. Wright will share her experiences in the scholarship of teaching, reflecting on her work with graduate students and graduate faculty members alike. There will also be time for discussion.

Graduate students, deeply involved in the research that will earn them an advanced degree, can lose sight of the fact that a critical feature of the academic career for which they are preparing is teaching. A growing area of interest among graduate faculty and graduate students is how to bring the same kind of scientific rigor and scholarship to our teaching classes as we do to our research.

All interested students and faculty are invited to attend; refreshments will be provided.

– Jon Jackson, anatomy and cell biology, and Libby Rankin, director of instructional development.

Michael Beard speaks on Arabic alphabet and experiences in Jordan

On Thursday, Feb. 26, at 4 p.m. in 116 Merrifield Hall, Michael Beard will deliver the next English department colloquium, "Ta is for 'Talisman.'" The paper comes from a work in progress about the esthetics of the Arabic alphabet. Each chapter discusses a different letter (ta is the 16th). Each chapter of the book will discuss the shape of the letter and list the loan words in European languages and key words which begin with that letter. And each chapter has to include a story.

Prof. Beard is the co-editor of the journal, *Middle Eastern Literatures* (formerly *Edebiyat*) and of the series "Middle East Literature in Translation" for Syracuse University Press. His most recent book is a translation (with Ahmad Karimi-Hakkak) of the Iranian film-maker Abbas Kiarostami's book *Walking with the Wind* (Harvard Film Archive, 2001).

Upcoming English department colloquia include Elizabeth Hampsten, "An Exhibition of Prison Art in Uruguay," March 11; Burt Thorp, "The World's Longest Poem: A Brief Account," April 8; and Sherry O'Donnell, "Don't Wait for Your Funeral to Order Our Buns': Social Semiotics of a Small Town Bakery," April 29. All colloquia are at 4 p.m. in 116 Merrifield Hall, and everyone is welcome to attend.

– Joyce Coleman, English.

Memorial service planned for Walter Ellis

A memorial service for Walter Ellis, professor of history, who died Jan. 12, will be held at the North Dakota Museum of Art at 3 p.m. Friday, Feb. 27. Please come and join us as we celebrate the life and accomplishments of this truly remarkable individual. His obituary is available at <http://www.und.edu/dept/our/uletter/01232004.html#35>.

— Jim Mochoruk, associate professor and chair of history.

Mathematics candidate presents colloquium

Shuzo Takahashi will present a colloquium, "An Introduction to Elliptic Curves," Friday, Feb. 27, at 3 p.m. in 309 Witmer Hall. Refreshments will be served in 325 Witmer Hall at 2:30 p.m.

The talk will discuss the connections between elliptic curves, Fermat's Last Theorem, and modern cryptography. Dr. Takahashi has degrees in mathematics and philosophy, and is currently in the mathematics department at the University of Arizona. He is a candidate for a mathematics faculty position.

– Bruce Dearden, mathematics.

NIH Roadmap will be webcast

The National Institutes of Health (NIH) Roadmap for Medical Research initiatives are designed to speed the movement of research discoveries from the bench into practice for the benefit of the public. The NIH is presenting a webcast for briefing on the implementation and future directions of the NIH Roadmap for Medical Research. NIH Director Elias A. Zerhouni and other key NIH leaders will provide specific updates on requests for applications and other initiatives currently in circulation, describe future opportunities, and answer questions about the NIH Roadmap's three themes: new pathways to discovery, research teams of the future, and re-engineering the clinical research enterprise.

The webcast will be held Friday, Feb. 27, from 2 to 4 p.m., and can be viewed live at <http://www.nihroadmap.nih.gov> — NIH Roadmap Briefing. No advance registration is necessary.

If you are unable to participate in the webcast, materials, speaker presentations, and a synopsis will be available on the NIH Roadmap web site following the briefing. For an orientation prior to the session, please visit the NIH Roadmap web site at <http://www.nihroadmap.nih.gov>.

— William Gosnold, interim director, research and program development.

Medical students host annual science day for children

Fifth- and sixth-grade students from throughout the region are invited to attend the annual Elementary School Science Day Saturday, March 27, at the School of Medicine and Health Sciences.

The event features a hands-on approach to learning, and is open to any child who wishes to participate. It is hosted by the UND chapter of the American Medical Student Association (AMSA); organizers request a non-refundable \$2 fee and preregistration form for each child. Registration deadline is Friday, March 12.

Participating students may choose to attend either the morning (8 a.m. to noon) or afternoon (1 to 5 p.m.) session. Medical student-supervised activities, designed to stimulate children's interest in science, will focus on human health and anatomy, use of computers in medicine to learn about organ function and disease, awareness of the dangers of tobacco use, and various projects to demonstrate scientific principles. An age-appropriate talk on AIDS is open only to those with parental consent.

Barbara Swenson, second-year medical student, is project coordinator. For more information or to request a registration form, contact her, c/o Office of Public Affairs, UND School of Medicine and Health Sciences, PO Box 9037, Grand Forks, ND 58202-9037; call (701) 777-4305, or e-mail bswenson@medicine.nodak.edu.

— School of Medicine and Health Sciences.

PRSSA presents benefit performance

The Public Relations Student Society of America will give a benefit production of Eve Ensler's "The Vagina Monologues" as part of the V-Day 2004 college campaign at 8 p.m. Saturday, Feb. 28, Empire Arts Center, downtown Grand Forks. V-Day is a worldwide movement to stop sexual violence against women and girls, and to proclaim Valentine's Day as the day to celebrate women and demand the end of abuse.

For more information on this event, please contact Tiffany Dunn at tiffany4927@hotmail.com or Shelle Michaels at shellemichaels@msn.com.

— Jan Orvik, editor, for PRSSA.

Snow Country Prison opens at Museum

"Snow Country Prison: Interned in North Dakota" opens at Museum Sunday, Feb. 29, and is followed by a symposium Monday, March 1.

Opening Schedule:

Sunday, Feb. 29

3 p.m., Exhibition opens to the public.

4 p.m., Keynote address, John Christgau. Twenty years ago Christgau wrote the defining book about North Dakota's Fort Lincoln, *Enemies: World War II Alien Internment*. *Enemies*, which was recommended for the National Book Award, poses serious questions about the rights of immigrants in an American democracy, then and now. The book is available in the Museum Shop; Christgau will sign books following the lecture.

5 p.m., Buffet dinner for all guests (suggested donation \$5).

6 p.m., Film screening led by Satsuki Ina, featuring Fort Lincoln Internment Camp (KVLV Fargo), "Conversation With A German Internee, Fort Lincoln" (Kurt Peters), "Children of the Camps," and "From A Silk Cocoon Trailer" (still in production).

Monday, March 1

4 to 6 p.m., Symposium with participants John Christgau, Karen Ebel, Satsuki Ina, Isao Fujimoto, Robert Nebel, followed by wine and hors d'oeuvres.

Symposium participants (in addition to keynote speaker John Christgau) are:

Karen Ebel, daughter of Max Ebel, who was interned in Ft. Lincoln from May 1943 to June 1944.

Isao Fujimoto, a long-time professor at the University of California, Davis, founded the Asian American Studies program and the UC Davis Graduate Program in Community Development.

Satsuki Ina is the producer and project director of "Children of the Camps," a one-hour documentary that captures the

experiences of six Americans of Japanese ancestry who were confined as children to internment camps during World War II.

Robert Nebel was interned at Fort Lincoln.

This project is supported in part by the North Valley Arts Council and the City of Grand Forks, the Nash Family Foundation, Ecolab Inc., Robert and Virginia Dunnigan, Otto Bremer Foundation, North Dakota Humanities Council, North Dakota Council on the Arts, Bismarck Tribune, University of North Dakota, Xcel Energy Foundation, Grand Forks Herald, Barbara Nakano, United Tribes Technical College and the American Indian College Fund.

The exhibition continues through April 11.

-- North Dakota Museum of Art.

"An Evening Of English Music" showcased Sunday, Feb. 29

The Grand Forks Master Chorale and the Oak Grove Lutheran Concert Choir will join forces for "An Evening of English Chorale Music," Sunday, Feb. 29, 7 p.m. at United Lutheran Church. A reception follows in the church basement.

The Master Chorale, a 40-plus-voice auditioned choir under the direction of Michael J. Weber with accompanist Lacey Oar, will feature the works of William Byrd, Henry Purcell, George Fredric Handel, Charles V. Stanford, Benjamin Britten, Edward Elgar, R. Vaughan Williams, and John Rutter.

The Oak Grove Lutheran Concert Choir, under the direction of Paul Barta, will feature several pieces by his brother-in-law, Grand Forks composer and member of the Grand Forks Master Chorale Daniel Pederson.

Tickets are \$12 in advance, \$15 at the door. Senior citizens get a break at \$8 in advance, \$10 at the door, and students get the best deal: \$5 in advance, \$7 at the door. Tickets are available through the Chester Fritz Auditorium box office, 777-4090. The Master Chorale is supported in part by the North Dakota Council on the Arts and the Myra Foundation. The Master Chorale is a member of the North Valley Arts Council.

Michael J. Weber, associate professor of music at NDSU, came to the there from the vocal division at Salisbury University, Salisbury, Md. He currently directs the NDSU University Chorus and the NDSU Madrigal Singers. He has extensive experience as a music director, conductor and stage director for numerous musical theatre productions in Texas, California, and North Dakota. He holds degrees from UND, California State University, Fullerton, and the University of Arizona.

Lacey Oar, accompanist, is a senior at UND, majoring in aviation management. A Central Valley School graduate, she began playing piano at the age of 6, and has studied with David Worth and Sergio Gallo. Oar has won several prestigious area music contests, including the Greater Grand Forks Symphony's Young Artist Solo Competition in 2001, as well as the 2000 Fargo-Moorhead Symphony's Young Artist Solo Competition. She is a five-time winner of the piano competition at Scott's Music Fine Arts Studio, where she teaches lessons. In addition to the Master Chorale, Oar is accompanist for the United Lutheran Church Choir in Grand Forks.

Paul Barta received his Bachelor of Science in vocal music education and master's of music in choral conducting from NDSU. Barta is in his first year as director of music at Oak Grove Lutheran School. Along with his current position, Barta is a member of the 188th Army National Guard Band out of Fargo. He has served with this organization for six years as a saxophone player.

— Grand Forks Master Chorale.

Lotus Center will show video on early Christianity

The Lotus Meditation Center, 2908 University Ave., presents its Sunday video series at 1:30 p.m. On Feb. 29, they will show From Jesus to Christ: The First Christians, part one of a two-part PBS documentary on early Christianity. April 4 will feature From Jesus to Christ: The First Christians, part two of the documentary. There is no charge, and the programs are open to all.

— Lora Sloan, Lotus Meditation Center.

Graduate committee meets March 1

The graduate committee will meet Monday, March 1, at 3:05 p.m. in 305 Twamley Hall. The agenda will include:

1. Approval of minutes.

2. Request for change in program requirements for the physician assistant program.
3. Formation of a summer doctoral fellowship subcommittee: Need two-three members of the graduate committee.
4. Matters arising.

— Joseph Benoit, graduate dean.

Biology candidates present seminars

On Monday, March 1, at noon in 141 Starcher Hall, Vasyi Tkach will present "Molecular Phylogenetics of Parasites: From Identification of Pathogens to Understanding Their Ecology and Evolution." Dr. Tkach is an assistant research professor in biology and a candidate for the disease ecology position here.

On Friday, March 5, at noon in 141 Starcher Hall, Gregory Ebel will present "Ecology and Phylogeny: Impacts of Complex Transmission Cycles on Arbovirus Evolution and Disease Emergence." Dr. Ebel is a research scientist at the Wadsworth Center Arbovirus Laboratory in Albany, N.Y., and is also a candidate for the disease ecology position.

— Biology department.

Aviation safety seminar held March 2

The spring aviation safety seminar is set for Tuesday, March 2, at 7 p.m., Chester Fritz Auditorium. Capt. Al Haynes will present "The Story of United Flight 232."

Haynes, a retired United Airlines captain, has accumulated over 27,000 flight hours in various commercial aircraft. On July 19, 1989, United Airlines Flight 232 departed Denver at 2:09 p.m. At 3:16 p.m., the flight crew notified Minneapolis that the number two engine aboard their DC-10 had failed, and the aircraft was marginally controllable. Because of the flight crew's actions, many lives were saved. Capt. Haynes will speak of his experiences, focusing on the heroics of the Sioux City, Iowa incident.

The seminar, which is free and open to the public, is sponsored by the Aviation Safety Association, Odegard School of Aerospace Sciences. Questions may be e-mailed to rcarlson@aero.und.edu.

— Odegard School.

Encourage students to attend summer fun job fair

The recreation and leisure services program and career services/cooperative education will host the summer fun job fair Tuesday, March 2, from 11 a.m. to 3 p.m., second floor, Memorial Union. The fair provides an opportunity for local, regional, and national organizations to recruit summer employees. The fair is open to anyone interested, but is especially targeted to UND students of any major looking for a "fun" summer job or internship. Many employers will conduct interviews the day of the fair. Please encourage students to attend, and feel free to share this information with anyone who may be looking for summer employment.

Contact Leann Kaiser, recreation and leisure services, 777-2502, leann.Kaiser@mail.und.nodak.edu, www.und.edu/dept/rls/summer.htm for more information.

On Teaching group meets March 3

"When Students Need Help With Writing..." is the topic for the next meeting of the On Teaching discussion group, which will be held Wednesday, March 3, from noon to 1 p.m. in the Memorial Room of the Union. We'll begin by hearing from Mark Magness (integrated studies faculty and writing center consultant) and Jesse Veeder (undergrad writing consultant) about the kinds of "help" they might offer to writers within the writing center. Then we'll consider what an individual faculty member can and should do for his/her own students who struggle with writing. Can changing the structure of the assignment help, or does that just mask the problem? Can a teacher make a difference via one-on-one work with a writer, or is the job too big for that kind of intervention? What if it's a serious, advanced student, maybe even a grad student - how can that student's needs be met? (As a faculty member outside of English, do you find yourself wondering if this is really "your" problem?)

To register for lunch (provided by instructional development) call 777-4998 or e-mail joan_hawthorne@und.nodak.edu. Lunch reservations must be received by noon Monday, March 1.

– Joan Hawthorne, writing across the curriculum.

Last leadership workshop is March 3

The Memorial Union leadership workshop series will hold its final session Wednesday, March 3, at 3 p.m. in the Memorial Union Leadership Inspiration Room. Steve Edwards will present "Thinking Outside the Box." For more information, call 777-2898 or e-mail leadership@und.nodak.edu.

— Memorial Union.

Panel considers diversity in the workplace

Students are encouraged to attend a panel discussion on "Diversity Issues in the Workplace," Wednesday, March 3, 5:30 to 7 p.m. in the River Valley Room, Memorial Union. The panel discussion is in support of the 10th Annual College of Business and Public Administration business conference, titled "Global Perspectives." Panel members will represent companies related to health care, technology, research, aerospace, and more. Students will hear local area employers discuss some of the opportunities and challenges that confront organizations with a diverse workforce. It will be an interactive discussion, allowing students in the audience to ask questions of panel members. The goal of the session is to help students better understand why it's important for them to learn about diversity and interact with different cultures. The panel discussion offers them an opportunity to hear, from an employer perspective, what they can expect when they enter the job market. We also hope they can take away things they can do to help them be more marketable in their job search. The business conference is an annual event sponsored by the College of Business and Public Administration student council (BPAC). It was initiated in 1995 and is intended to enhance students' education by giving them the opportunity to listen to and interact with prominent members of the business community. The panel discussion is a partnership between COBPA and the Memorial Union.

For more information, call me at 777-4703.

– Tony Trimarco, director, Memorial Union, and panel moderator.

Events listed for Global Perspectives Week

The College of Business and Public Administration Student Council presents Global Perspectives Week March 3-5. The schedule follows.

Wednesday, March 3, Diversity panel, River Valley Room, Memorial Union, 5:30 p.m.. Learn how area business leaders approach diversity in the workplace (co-sponsored by the Memorial Union).

Thursday, March 4, Business Bowl, Room 1, Gamble Hall, 3:30 p.m. Cheer on your favorite CoBPA department.

Friday, March 5, 10th annual College of Business and Public Administration Business Conference, Burtness Theatre, 9 a.m., welcome; 9:05 a.m., Lucy Dalglish, executive director of the Reporters Committee for the Freedom of the Press and former trial lawyer; 10 a.m., Anita Bender, vice president of the Northern Trust Company; 11 a.m., Dale Morrison, partner with Fenway Partners and former CEO of Campbell Soup Company; noon, Leo Ledohowski, president and CEO of Canad Corporation.

Everyone is welcome. For more information, e-mail bpac@mail.business.und.edu.

This event is sponsored by the CoBPA student council and funded in part by the CoBPA and the UND Alumni Association and Foundation.

– Jan Orvik, editor, for CoBPA student council.

Doctoral examination set for Nadine Edgeron

The final examination for Nadine Edgeron, a candidate for the Ph.D. degree with a major in educational leadership, is set for 1 p.m. Friday, March 5, in Room 208, Education Building. The dissertation title is "African American Female Professors' Experiences in an Historically Black College and University Organizational Culture." Daniel Rice (educational leadership) is the committee chair.

The public is invited to attend.

– Joseph Benoit, dean, graduate school.

Agenda listed for March 4 University senate meeting

The University Senate will meet Thursday, March 4, at 4:05 p.m. in Room 7, Gamble Hall.

AGENDA

1. Announcements.
2. Minutes of the previous meeting and business arising from the minutes.
3. Question period.

CONSENT CALENDAR:

4. Annual report of the student academic standards committee, Nancy Krogh, chair.
5. Annual report of the administrative procedures committee, Nancy Krogh, chair.
6. Annual report of the intellectual property committee, Richard Schultz, chair.

BUSINESS CALENDAR:

7. Report from the curriculum committee, Judy Bruce, chair.
8. Senate scholarly activities committee membership, James Hikins, chair.
9. Probation/suspension/dismissal policy, Eleanor Yurkovich, senate academic policies and admissions committee.
10. Council of College Faculties resolution regarding the SBHE request for support for the Economic Development Roundtable, Curt Stofferahn, Council of College Faculties.
11. Report from the committee on committees on the slate of candidates for election to Senate committees, Al Fivizzani, chair.
12. Proposed policy on faculty pursuit of advanced degrees, Joseph Benoit, dean, graduate school.

– Nancy Krogh (registrar), secretary, University senate.

Fulfilling higher education's civic mission is topic of teleconference

The National Resource Center for the First-Year Experience and Students in Transition production, "Promoting the Public Good: Fulfilling Higher Education's Civic Mission," is scheduled for Thursday, March 4, noon to 2 p.m., in the United Hospital Room, Medical School building. The teleconference is sponsored by student outreach services, career services, and TRIO programs. Does your campus value the civic purposes of higher education? Is service integrated into the academic curriculum? Are you encouraging your students to look beyond the classroom and become vital participants in their communities? Does civic engagement play a role in your intentional student experience? This teleconference will take you on a journey that explores the moral, social, and political aspects of these concepts. Join our national panel as they begin the teleconference conversation by discussing the importance of civic engagement in today's society, share successful programs, and provide guidance in creating campus and community partnerships.

– TRIO programs.

Public meeting will address storm water prevention plans

The Federal Clean Water Act established storm water requirements to control the direct discharge of pollutants into waters of the state. Under delegation from EPA and the North Dakota Department of Health, the City of Grand Forks, University of North Dakota and Grand Forks County have been given responsibility for regulating the discharge of storm water from their jurisdictions to the Red River and the English Coulee which flows through the City of Grand Forks.

A public meeting will be held at 7 p.m. Monday, March 8, at City Hall Council Chambers, 255 N. Fourth St., at the regularly scheduled council meeting.

This notice has been issued to inform the public about the upcoming meeting so that they may provide comments on the storm water pollution prevention plans. Specific questions on any aspect of the city's, county's, or University's storm water pollution prevention plan may be directed to the contacts listed below.

For further information about the city plan, contact Mike Shea, environmental coordinator, City of Grand Forks, P.O. Box 5200, Grand Forks, ND 58206-5200, (701) 746-2713. For the county plan, contact Carol McMahon at 780-8412, and for the University plan contact Paul Clark at 777-3005.

Spring yoga classes begin soon

Spring yoga classes begin Tuesday, March 9, at the Lotus Meditation Center. Classes are held at 5:30 p.m. Tuesday evenings for beginners and mixed levels and at 5:30 p.m. Thursdays for intermediates. The cost for single classes is \$10; the full eight-week session costs \$65. For more information or to register, call Dyan Rey, instructor, at 772-8840 or 777-2257 (message only) or e-mail dyanre@aol.com. Classes continue through May 6; a summer session will follow.

– Dyan Rey, art.

Museum plans Art Odyssey trip to Houston

Laurel Reuter, director of the North Dakota Museum of Art, will lead a group to Houston, Texas, March 11-14, for a weekend immersion in the contemporary art scene. The group will visit galleries and artist studios, museums and sculpture parks. The studio visits are being arranged by the curator of contemporary art at the Houston Fine Arts Museum. In the evenings people are free to book plays or concerts on their own.

Over the past 10 years, Reuter has taken groups to such places as Mexico City, Montreal, New York and Vancouver. Last year they went to Philadelphia.

This year's trip coincides with the opening of FotoFest, a biennial, city-wide event that encompasses over 70 photography exhibitions. FotoFest has a long record of introducing Latin American artists into the United States.

The only requirements to join the group are an interest in art, especially contemporary art. Each individual pays their own expenses plus \$100 to the Museum. Hotel reservations at the Crown Plaza are \$112 per night based upon double occupancy.

Participants should plan to arrive in Houston in time for dinner at the Bayou Club, as guests of a Houston family interested in supporting the North Dakota Museum of Art. Call 777-4195 for more information.

– North Dakota Museum of Art.

Science faculty can register online for grant writing seminar

Online registrations are now being accepted for the grant writing seminar Friday, April 30, in Fargo, sponsored by the North Dakota Biomedical Research Infrastructure Network (BRIN). The seminar is designed for science faculty interested in submitting grants to the national Institutes of Health (NIH) and National Science Foundation (NSF). The registration deadline is Thursday, April 1. The eight-hour seminar, conducted by Grant Writers Seminars and Workshops, will be held in conjunction with the North Dakota Academy of Science annual meeting April 29-30 at the Ramada Plaza Suites and Conference Center in Fargo. For registration materials and additional information, please visit the North Dakota BRIN web site at www.medicine.nodak.edu/brin.

— Patrick Miller, Public Information Professional, North Dakota Biomedical Research Infrastructure Network.

U2 lists workshops

Below are U2 workshops for March 8-19. Visit our web site for additional workshops in March, April and May. Please reserve your seat by registering with U2 by phone, 777-2128; e-mail, U2@mail.und.nodak.edu; or online, www.conted.und.edu/U2/. Please include workshop title and date, name, department, position, box number, phone number, e-mail address, and how you first learned of the workshop. Thank you for registering in advance; it helps us plan for materials and number of seats.

Prevent Harassment, Promote Respect: (instructor led), March 8, 2:30 to 4:30 p.m., Room 312, Education Building.
Presenter: Gerry Nies.

HTML, Creating a Web Page Using HTML: March 9 and 11, 9 to 11:30 a.m. (five hours total). Learn how to create a Web page with Hyper-Text, Markup Language, graphics, and links.

Save on Taxes, Save for Retirement, Invest in SRAs: March 9, 4 to 6 p.m., River Valley Room, Memorial Union, OR March 10, 10 a.m. to noon, 10-12 Swanson Hall. This presentation will provide information on TIAA-CREF SRAs. You do not have to be on TIAA-CREF to participate in this tax saving program. Presenter: Molly Melanson, TIAA-CREF.

Inventory Control, Property Insurance and Surplus Property Procedures: March 12, 9 to 11 a.m., River Valley Room,

Memorial Union. Discuss insurance coverage of equipment, procedure for equipment transfers, deletions, completing annual inventory audit, and procedures for disposing and selling University property. Presenters: asset management and surplus property.

Employee and Non-Employee Travel Policies and Procedures, and Food Purchase Approvals: March 17, 9 to 11 a.m., Memorial Room, Memorial Union. Brush up on the procedures to follow for employee ticket authorizations, direct billing of airline tickets and employee travel expense vouchers, as well as on the travel procedures to follow for non-employees, students and nonresident aliens. Presenters: accounting services and dining services.

— Julie Sturges, U2 program assistant, University within the University.

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ANNOUNCEMENTS

Apply now for new faculty teaching seminar

Monday, March 1, is the deadline for applications to this year's new faculty teaching seminar. This program, funded by the Bush faculty development grant, will bring a cohort of 10 faculty with less than three years full-time teaching experience together with Bush Teaching Scholars to focus on issues related to teaching and course development.

The program will begin with a six-day colloquium spanning two weeks in May (see dates below). In the colloquium, we will raise and discuss questions about student learning that grow out of our own teaching and learning experiences. We will consider what it means to engage students actively in their own learning and will explore ways of assessing and documenting that learning.

By the end of the colloquium, each faculty member will have sketched out plans for a course they will teach in the Fall.

Beginning in August, the group will meet at least four more times to share ideas and materials, report on progress, and share results of the teaching experience. The final meeting will be in January 2005.

To support their participation in this project, each teaching colloquium participant will receive a stipend of \$1,000 — half to be paid at the end of the May workshop and half the following January, when the final project report is filed.

The 2004 summer colloquium will run from Wednesday, May 19, through Friday, May 21, and from Monday, May 24, through Wednesday, May 26.

Exact meeting times have not yet been determined, but since there will be outside reading and preparation, applicants should not have other commitments during this time. Meetings during the following year will be arranged to accommodate faculty schedules.

For further information and instructions on how to apply, see the instructional development web site at www.und.nodak.edu/dept/OID.

— Libby Rankin, professor of English and director, instructional development.

Annual staff performance evaluations due March 1

Annual staff employee performance evaluations are due Monday, March 1. The "performance management plan" form is available electronically as either a WordPerfect or Word document. To receive your copy via e-mail, contact us at human.resources@mail.und.nodak.edu. The Word document version may also be found online at www.humanresources.und.edu/Forms/forms.html. If hard copies are preferred or if you have questions, please call us at 777-4361. Please review and discuss the evaluation with the employee and return the signed forms to human resources, Box 8010, no later than March 1.

— Diane Nelson, director, human resources.

Telephone service unavailable part of March 6

On Saturday, March 6, beginning at 5 a.m., the UND telephone switch will be brought down to install a new processor. The procedure is expected to take approximately two hours. During those two hours, the telephone switch will be out of

service, and no calls to campus phones with the 777 prefix can be placed or received. Any calls in progress at 5 a.m. will be disconnected. Installation of the new processor will prepare the campus for future enhancements. This upgrade will not affect any of the current dialing procedures or features or voice mail. However, during the time the telephone switch is down, voice mail will not be accessible to retrieve or leave messages.

We apologize in advance for any inconvenience this may cause.

– Lois MacGregor, telecommunications.

Financial data from the general ledger will be purged

We are required to purge the previous fiscal year's general ledger detail transactions on an annual basis. This purge will occur Friday, March 26, for the FY 2003 purge (July 1, 2002 to June 30, 2003). After the purge is completed, you will not be able to do online inquiries of detail transactions on GL70 (04, 06, 08), GL7B, and GL53. Summary data will continue to be available for the 15 previous fiscal years.

– Allison Peyton, accounts payable manager, accounting services.

Comments sought on equal opportunity/ affirmative action statement

In the spring of 2003, the University senate passed a resolution asking that a committee be formed to review the UND equal opportunity/affirmative action policy statement and procedures for complaints of discrimination or harassment. Committee members are: Leigh Jeanotte (American Indian student services), chair; Wendy Hume (criminal justice and women studies), recorder; Leif Bergerud (student representative); M.C. Diop (multicultural student services); Julie Evans (legal counsel); Kay Mendick (women's center); Sally Page (affirmative action); and Faythe Thureen (languages). Since October 2003, this committee has been reviewing the document and suggesting changes, with the goal of making it more effective and accessible.

The purpose of this message is to invite members of the university community to examine the document and provide input into the revision process.

The document, "Procedures for Complaints of Discrimination or Harassment," can be found in the Code of Student Life and the Faculty Handbook. It can also be accessed and downloaded at www.und.edu/dept/aao/Pol.htm

Thank you in advance for your assistance in reviewing a policy that responds effectively to the needs of UND's growing community.

Please respond by Monday, March 1, to Leigh Jeanotte, American Indian Student Services, Box 8274, 777-3296, leigh.jeanotte@und.nodak.edu

— Leigh Jeanotte, chair, and Wendy Hume, recorder

Aerospace Foundation to provide flight training to Saint Louis University-Parks College

The Aerospace Foundation, a non-profit corporation that serves as a link between industry and the John D. Odegard School of Aerospace Sciences, will lease its Aviation Information Management System (AIMS) and technical support services to Saint Louis University-Parks College (SLU-PC) of St. Louis.

The AIMS system was developed to assist in the management of aerospace flight training operations. The software consists of tools which manage flight records, academic records, scheduling, dispatch, invoicing, aircraft maintenance history, and aircraft parts inventory. AIMS can also be configured for distant training locations with different training requirements.

Parks College has a fleet of 34 aircraft and simulators, 47 instructors and 200 flight students. Parks conducts flight training out of the St. Louis Downtown Airport in Cahokia, Ill.

For more information contact the foundation at 777-4740.

– Odegard School of Aerospace Sciences.

Aerospace-developed software showcased at international conference

Software developed at the University was presented at the 21st World Conference on Open and Distance Education in Hong Kong last week.

The software, named HTMLeZ, was developed to facilitate teaching and communications via the Internet. The project name is derived from the acronym for Hyper Text Markup Language, the authoring language used to create documents on the World Wide Web. It was developed at the AeroSpace Network, a support division of the John D. Odegard School of Aerospace Sciences.

Although originally designed as an educational tool, the software has commercial applications as well. ASN has recently signed an agreement to provide its patent-pending HTMLeZ software to Education Development Center Inc., an international non-profit organization headquartered in Newton, Mass.

The North Dakota State Legislature has designated ASN as a Center of Excellence in Multimedia Technology. This designation provides state funding to stimulate local economic activity and job creation. "This funding is already beginning to pay off," said Henry Borysewicz, ASN director. "HTMLeZ has the potential to generate resources for UND and the region. North Dakota can become an educational software provider, rather than just a consumer."

The Aerospace Foundation is working with the UND Center for Innovation to develop, commercialize, and market the software worldwide.

– Odegard School.

Center for Rural Health receives grants to improve rural health care

The Center for Rural Health recently received two grants totaling \$541,000 to improve health care in rural North Dakota communities.

The grants, \$230,000 for the Rural Access to Emergency Devices (RAED) program and \$311,000 for the Small Hospital Improvement Program (SHIP), were funded through the Office of Rural Health Policy of the U.S. Health Resources and Services Administration, a division of the U.S. Department of Health and Human Services.

The RAED grant will be used to purchase and place automatic external defibrillators (AEDs) in eligible rural areas and to train first-responders and members of the lay public in the proper usage of the AEDs.

The partner organizations working with the CRH in this program include the Division of Emergency Medical Services, North Dakota Department of Health, North Dakota Healthcare Association, and the North Dakota Emergency Medical Services Association.

For 2004, the CRH has received more than 110 applications representing 472 organizations requesting 280 AEDs. Organizations are encouraged to submit a group application to the CRH because the local community benefits when many groups work together.

The second grant, the Small Hospital Improvement Program (SHIP), assists small hospitals with reimbursement, information technology, and improving the quality of care.

CRH, which administers the grant, will fund 32 rural hospitals.

– School of Medicine and Health Sciences.

Proposals sought for Beyond Boundaries conference

The University and the conference planning committee invite you to present at the third annual Beyond Boundaries: Integrating Technology into Teaching and Learning Conference, Sept. 23 and 24, Memorial Union.

The conference is designed to promote and encourage discussion about innovative practices using technology in teaching and learning, offer networking opportunities for higher education professionals in the region, identify major themes and issues occurring in the e-learning field, discuss current successes and challenges involved in integrating technology for effective teaching and learning in higher education, and share current research and gain skills that are helpful in integrating technology in teaching and learning.

The conference theme is "Beyond Boundaries," which highlights regional faculty and administrators' experiences and successes using technology in various learning environments. Conference sessions should present information applicable to

those with beginner, intermediate and advanced knowledge about e-learning. Topics should be targeted at audiences involved in higher education, such as higher education faculty, undergraduate and graduate level students, higher education administrators, distance education professionals, curriculum designers, instructional and information technology support specialists, librarians, and student service representatives.

Present at the Beyond Boundaries Conference and discuss, share and explore new working relationships that can be of assistance to you as we progress with technology in education.

Presenters will receive a 25 percent discount off the conference registration fee, which includes admittance to all sessions and exhibits, continental breakfasts, lunches, refreshments and the evening reception. National experts Casey Green and David Lassner will share their insights into integrating technology into higher education.

For more information on how to submit a proposal, please visit www.beyondboundaries.info, or contact conference services at 777-2663 or toll free at 866-579-2663. All proposals must be submitted online and are due Wednesday, March 31.

Please share this information with your colleagues. We look forward to reviewing your proposals.

– Jennifer Raymond, coordinator, conference services, continuing education.

Please complete energy survey

The Energy Survey, 10 multiple choice questions created by students and faculty at UND measures your interest and willingness to help fund projects that would make the UND campus more environmentally friendly.

Two \$25 gift certificates from Scheel's Sporting Goods will be randomly awarded to participants.

Navigate to <http://www.undeerc.org/energysurvey> to participate.

— Jan Orvik, editor, for Kevin Harrison, graduate student.

Campus walking trail maps available

Enjoy walking? Feel stressed and need a break? Want to get in shape for spring? Want to become renewed and invigorated when outside? Check out the new walking trails on campus.

The physical wellness subcommittee along with Rick Tonder, associate director of facilities, has created 14 walking/running trails for the UND campus. The trails, approximately one mile in length, cover most regions of campus and can be interconnected for a 5-10 mile walk. Three of the trails are indoor routes for year-round use. The School of Medicine loop even includes stair climbing to increase the workout.

Maps are available at the Wellness Center, Memorial Union, and online at www.und.nodak.edu and the Wellness Center home page at <http://wellness.und.edu/wellness>.

Obesity and poor fitness are serious health crises in America. College campuses are not immune. Let's lower the risk at UND. Get active, get fit, and get healthy. See you on the trails.

– Matt Remfert, co-chair, physical wellness subcommittee.

Members sought for wellness task groups

The healthy UND coalition invites all students, faculty, and staff to join in making this a "healthy campus" by 2010.

The coalition is a campus-wide organization whose goal is to promote wellness in all seven dimensions. At its Oct. 30 meeting, members decided to focus on three of the 10 leading health indicators from the report "Healthy Campus 2010." The areas chosen were physical activity, mental health, and overweight and obesity.

Task groups are now being formed to address each of these areas. The role of each task group will be to plan and implement activities that will focus awareness and education on these topics for students and the rest of the campus community.

A fourth task group is being formed to look at worksite wellness. This task group will develop a concept paper on how the University could design a program to address wellness in the workplace.

We invite you to take action to promote wellness on our campus by joining one of the task groups, which will meet about

every two weeks. The task groups are being coordinated and supported by the wellness department, student health, and the counseling center.

Please e-mail Megan Rice to volunteer for one of the task groups: physical activity, mental health, overweight and obesity, or worksite wellness. Her e-mail address is meganrice@mail.und.nodak.edu.

— Wellness center.

Items for sale to public on bids

The University is offering for sale to the public on a sealed high-bid basis the following items: older computer equipment, electric stoves, fluorescent lights, and other miscellaneous items. These may be seen at the central receiving warehouse on the southwest corner of the campus. Bids will be taken between the hours of 8 a.m. and 3 p.m. Monday through Thursday, March 1-4.

— Lee Sundby and Evelyn Albrecht, central receiving.

Staff senate funds scholarships

Successful fund-raising has enabled the staff senate to provide UND student scholarships for dependents of benefited staff. Scholarship criteria and an application form are available at www.und.nodak.edu/org/undss. We encourage you to ask your dependent children to apply.

The staff senate takes pride in its efforts to raise money for these scholarships through cookbook sales, fourth annual "31 Days of Glory Raffle," payroll deductions, and donations. Through continued fundraising efforts, we hope to offer these scholarships annually.

We thank you for your past support of the staff senate and look forward to your continued support in future endeavors.

— Staff senate.

ConnectND corner

Following is information on the ConnectND project, which will replace the current administrative system. For more information, visit www.nodak.edu/connectnd. For information on ConnectND at UND, visit www.und.edu/cnd.

Hearing voices of PeopleSoft experience

They've been there, done that, and they are continuing to do it. Implementing PeopleSoft systems, that is.

Tom Scott, University of Wisconsin-Madison, and Rick Chlopan, Kentucky Community & Technical College System, shared perspectives during a ConnectND workshop. Both emphasized the importance of training and ongoing and open communications to generate acceptance of the systems, and the value of support from the top. They also urged minimizing customizations and avoid building a system like the old one.

"The biggest task is managing the change, making the change as comfortable as it can be," said Scott, who had tacked four paper targets with simulated bullet holes onto the back of his shirt to illustrate the negative reactions that can be expected of a project that affects everyone.

Chlopan encouraged using a key member at each school as a conduit to disseminate information because faculty and staff will be more comfortable dealing with folks they know.

Both guest speakers eventually experienced positive results on their campuses and are continuing to work with software upgrades.

Scott listed enhanced query library and reporting methods, absence of long lines of students needing service, centralized communication, greater collaboration between campus units, strengthened help desks and self-service opportunities for students.

Chlopan said following an upgrade of systems for the fall 2003 semester the Kentucky colleges experienced a January student registration where "performance was just perfect."

— Jan Orvik, for the ConnectND project.

Studio One lists features

Sales representative Jared Hutton will explain the use of inoculants for crops on the next edition of Studio One on Channel 3 in Grand Forks. Hutton will share how an inoculant is used as an alternative to spray fertilizer. He says the benefits include lower costs for farmers as well as the elimination of chemical runoff into our lakes, rivers and streams.

Also on the next edition of Studio One, in many automobile accidents, it's not the crash that causes serious injury. Loose items such as cell phones, groceries, and CDs can become deadly projectiles. We will hear simple ways to lower the risk.

Studio One is an award-winning news and information program produced at the University of North Dakota Television Center. The program airs live at 5 p.m. on UND Channel 3 on Thursdays. Rebroadcasts can be seen at 7 a.m., noon, 7 p.m., 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, the Portland, Ore. Metro area, and Winnipeg, Manitoba.

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GRANTS & RESEARCH

Funding opportunities will not run in University Letter

We are approaching the end of the year of our conversion from the Sponsored Programs Information Network (SPIN) system to Community of Science (COS). COS, which has been provided by the North Dakota State Board of Higher Education for all campuses, offers more extensive search capabilities than SPIN in addition to a variety of other services. The following text from the COS home page offers a brief description of the system:

"Community of Science, Inc. (COS) is the leading Internet site for the global R&D community. COS brings together the world's most prominent scientists and researchers at more than 1,600 universities, corporations and government agencies worldwide. COS provides tools and services that enable these professionals to communicate, exchange information and find the people and technologies that are important to their work.

"These services include: COS Expertise, the database of detailed, first person profiles of more than 480,000 R&D professionals; COS Funding Opportunities, the largest source of grant information on the Web; COS Abstract Management System, an online publishing solution for universities and professional societies; and customized access to a range of professional reference databases including U.S. patents, MEDLINE, AGRICOLA, and GeoRef, among others."

For many years, ORPD staff have selected representative samples from funding opportunities for a variety of academic areas from the SPIN and COS systems, and we have published them in the University Letter. However, the number of funding opportunities that are available greatly exceeds the number we can publish each week. We are concerned that faculty seeking research opportunities may miss them simply because they do not see something of interest in the University Letter. Consequently, as of July 1, 2004, we will change from listing a few samples of opportunities to encouraging faculty to subscribe to COS to receive announcements by e-mail or to conduct frequent searches for research opportunities using the COS system. For faculty who would like help transitioning to COS, ORPD will offer regularly scheduled workshops in the use of COS beginning in March 2004. Please check the University Letter for the time and place for the workshops. A set of instructions for using COS can be found on the ORPD web page:

<http://www.und.edu/dept/orpd/>. To access the instructions, select funding search instructions on the web page.

— Will Gosnold, interim director, research and program development.

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.

Portions of the following data were derived from the Community of Science's COS Funding Opportunities™ which is provided for the exclusive use of the University of North Dakota and may not be republished or made available outside the University of North Dakota in any form except via the COS Record Share™ on the COS website.

AMERICAN PUBLIC HEALTH ASSOCIATION (APHA)

APHA-GlaxoSmithKline Partnership for Healthy Children Awards honors programs that: affect the health of children;

collaborate with state health departments and state public health associations; and are well-integrated into the community or demonstrate effective policy development or advocacy programs. Contact: American Public Health Association, 202-777-2742; comments@apha.org; <http://www.apha.org/sections/awards/glaxo/glaxocov.htm>. Deadline: 3/31/04.

CENTERS FOR DISEASE CONTROL (CDC)

Office on Smoking and Health - NCCDPHP (SBIR)—Support to collect, analyze, and disseminate data relating to the effect of cigarette smoking on human health and develop methods for improved information related to smoking and health. Deadlines: 4/1/04, 8/1/04, 12/1/04. Contact: Sharron Orum, 770-488-2716; sorum@cdc.gov; <http://grants1.nih.gov/grants/funding/sbir.htm#sol>.

ENVIRONMENTAL PROTECTION AGENCY (EPA)

Office of Solid Waste and Emergency Response (OSWER) Innovation Pilots—Support to pilot and test new ideas and integrate innovation into everyday worklife to make OSWER programs more efficient, effective, and user-friendly. Deadline: 4/16/04. Contact: Brigid Lowery, 202-566-0198; lowery.brigid@epa.gov; http://www.epa.gov/oswer/iwg/annoucefy04_01funding.htm.

HEALTH RESOURCES AND SERVICES ADMINISTRATION (HRSA)

Title IV: Grants for Coordinated HIV Services and Access to Research for Women, Infants, Children, and Youth: Youth Services Initiative (CSWICY:YSI)—Support to foster and expand systems of health care and social support services for youth (age 13 to 24) at risk for or infected with HIV in order to identify infected youth and enroll them in HIV primary care. Deadline: 4/1/04. Contact: Wayne Sauseda, 301-443-0493; wsauseda@hrsa.gov; <http://fedgrants.gov/Applicants/HHS/HRSA/GAC/HRSA-04-048/Grant.html>.

NATIONAL CANCER INSTITUTE (NCI)

Cohort Studies in Cancer Epidemiology—Support for population-based epidemiologic or survivorship cohort studies characterized by cohort design and direct costs of \$500,000 or more in any one study year. Deadlines: 5/1/04 (Letter of Intent); 6/1/04 (Application). Contact: Sandra L. Melnick, 301-435-4914; elnicks@mail.nih.gov; <http://grants.nih.gov/grants/guide/pa-files/PAR-04-011.html>.

Competing Continuation SBIR/STTR Phase II Grants for Cancer Diagnosis, Prevention, and Treatment—Support to continue the process of developing products for commercialization that ultimately require approval of a federal regulatory agency, and clinical evaluation up to “proof of principle” demonstration, generally only through a Phase II clinical trial. Deadlines: 4/1/04, 8/1/04, 12/1/04. Contact: Rosemary S. L. Wong, 301-496-9360; rw26f@nih.gov; <http://grants2.nih.gov/grants/guide/pa-files/PA-04-047.html>.

Quick-Trials for Novel Cancer Therapies—Rapid access to support for pilot, Phase I, and Phase II cancer clinical trials as well as patient monitoring and laboratory studies. Deadlines: 4/9/04, 8/9/04. Contact: Roy Wu, 301-496-8866; wur@ctep.nci.nih.gov; <http://grants1.nih.gov/grants/guide/pa-files/PAR-03-005.html>.

Small Business Grants for Identifying Molecular Signatures of Cancer—Support for multidisciplinary collaborations between the small business community and cancer researchers. Deadlines: 4/1/04, 8/1/04, 12/1/04. Contact: Min H. Song, 301-402-4185; ms425z@nih.gov; <http://grants1.nih.gov/grants/guide/pa-files/PA-03-013.html>.

NATIONAL CENTER FOR COMPLEMENTARY AND ALTERNATIVE MEDICINE (NCCAM)

Postdoctoral Research Training in Complementary and Alternative Medicine—Support for research training in specified areas of biomedical and behavioral research related to complementary and alternative medicine. Deadlines: 4/5/04, 8/5/04, 12/5/04. Contact: Nancy J. Pearson, 301-594-0519; pearsonn@mail.nih.gov; <http://grants.nih.gov/grants/guide/pa-files/PA-01-088.html>.

NATIONAL CENTER FOR ENVIRONMENTAL HEALTH (NCEH)

National Center for Environmental Health (SBIR)—Research topics include, but are not limited to, environmental health/anti-chemical terrorism - rapid field tests for human exposure; detection of human exposure to aflatoxins and other mycotoxins from food or as chemical warfare or terrorism agents; rapid field tests or continuous monitors for arsenic in drinking water; and rapid field tests for iodine levels in urine and salt. Contact: Sharron Orum, 770-488-2716; sorum@cdc.gov; <http://grants1.nih.gov/grants/funding/sbir.htm#sol>. Deadlines: 4/1/04, 8/1/04, 12/1/04.

NATIONAL FOUNDATION FOR THE ARTS AND THE HUMANITIES

Consultation Grants enable organizations whose projects are in the early stages of development to confer with scholars or experienced public humanities programmers to help place the project on a firmer humanities footing. Deadlines: 4/7/04, 9/16/04. Contact: National Endowment for the Humanities, 202-606-8267; publicpgms@neh.gov;

<http://www.neh.fed.us/grants/guidelines/public-consult.html>.

Humanities Focus Grants provide support for joint study, outside experts, workshops on scholarly issues and related curricular questions, and planning. Deadline: 4/6/04. Contact: Division of Education Programs, 202-606-8380; education@neh.gov; <http://www.neh.gov/grants/guidelines/hfg.html>.

NATIONAL HEART, LUNG AND BLOOD INSTITUTE (NHLBI)

Development of Diagnostic Screening Test for Salt Sensitivity (SBIR/STTR)—Support to develop a non-invasive or minimally invasive, rapid, and practical diagnostic screening test for salt sensitivity of blood pressure. Deadlines: 4/1/04, 8/1/04, 12/1/04. Contact: Winnie Barouch, 301-435-0560; BarouchW@nhlbi.nih.gov; <http://grants1.nih.gov/grants/guide/pa-files/PA-03-123.html>.

NATIONAL HUMAN GENOME RESEARCH INSTITUTE (NHGRI)

Near-Term Technology Development for Genome Sequencing—Support

to develop novel technologies that will substantially reduce the cost of genomic DNA sequencing. Contact: Jeffery A. Schloss, 301-496-7531; jeff_Schloss@nih.gov; <http://grants2.nih.gov/grants/guide/rfa-files/RFA-HG-04-002.html>. Deadlines: 3/15/04, 9/14/04 (Letter of Intent); 4/15/04, 10/14/04 (Application).

Revolutionary Genome Sequencing Technologies — the \$1000 Genome—Support to develop novel technologies that will enable extremely low-cost genomic DNA sequencing. Deadlines and Contact: See above and: <http://grants2.nih.gov/grants/guide/rfa-files/RFA-HG-04-003.html>.

NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES (NIAID)

Advanced Technology (SBIR-AT-NIAID)—Support for: development of vaccines, biologics, drugs, and prevention strategies for infectious and immunologic diseases, allergy, and transplantation; development of vaccine, biologic, and drug delivery systems; or development of assays and therapeutic monitoring systems for clinical and vaccine trials and improved diagnosis of infectious, allergic, and immunologic diseases. Contact: Gregory Milman, 301-496-8666; gmlman@niaid.nih.gov; <http://grants1.nih.gov/grants/guide/notice-files/NOT-AI-03-049.html>. Deadlines: 4/1/04, 8/2/04, 12/1/04.

NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT (NICHD)

Competing Continuation Awards of SBIR/STTR Phase II Grants for Device Assessment or Preclinical Studies—Support to continue assessing and improving devices or conducting preclinical studies of drugs or devices that ultimately require clinical evaluation, approval of a federal regulatory agency, and continuing refinements to durable medical equipment designs. Deadlines: 4/1/04, 8/1/04, 12/1/04. Contact: Louis A. Quatrano, 301-402-4221; lq2n@nih.gov; <http://grants1.nih.gov/grants/guide/pa-files/PA-03-085.html>.

Longitudinal Study of Estrogen and Progesterone Effects on Biomarkers of Oxidative Stress and Antioxidant Status During the Menstrual Cycle—Support for a longitudinal cohort study to determine the pre-menopausal cyclic relationship between oxidative stress biomarkers and hormonal fluctuations in order to analyze their effect on women's reproductive health and disease. Deadline: 2/23/04 Contact: Robert Stallings, 301-496-6965; bs79d@nih.gov; <http://grants.nih.gov/grants/guide/notice-files/NOT-HD-04-006.html>.

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

Expanded Awards for SBIR-AT-NIDDK—Support for research pertaining to diabetes; endocrine and metabolic diseases; nutritional disorders, obesity, and digestive diseases; and kidney, urologic, and hematologic diseases. Deadlines: 4/1/04, 8/1/04, 12/1/04. Contact: Carol Renfrew Haft, 301-594-7689; haftC@extra.niddk.nih.gov; <http://grants.nih.gov/grants/guide/pa-files/PA-01-093.html>.

Type 1 Diabetes - Rapid Access to Intervention Development (T1D-RAID)—Support to move novel molecules and concepts from bench to bedside more rapidly and effectively, including, for example: production, bulk supply, GMP manufacturing, formulation and toxicology. Deadline: 4/1/04. Contact: Myrlene Staten, 301-402-7886; T1D-RAID@niddk.nih.gov; <http://grants1.nih.gov/grants/guide/notice-files/NOT-DK-03-007.html>.

NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES (NIEHS)

Support for Studies to Evaluate Toxic and Carcinogenic Potential of Cell Phone Radio Frequency Radiation. Deadline: 4/8/04. Contact: Marilyn B. Whaley, 919-541-2712; whaley@niehs.nih.gov; <http://grants2.nih.gov/grants/guide/notice-files/NOT-ES-04-005.html>.

NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES (NIGMS)

MARC Faculty Predoctoral Fellowships allow faculty who have had three years of full-time employment at a minority or minority-serving institution and who lack a research doctorate degree (Ph.D. or equivalent) the opportunity to obtain a Ph.D. or equivalent in the biomedical or behavioral sciences. Contact: Adolphus P. Toliver, 301-594-3900; tolivera@nigms.nih.gov; <http://grants1.nih.gov/grants/guide/pa-files/PAR-03-048.html>. Deadlines: 4/5/04, 12/5/04.

MARC Faculty Senior Fellowships allow faculty at minority or minority-serving institutions to update research skills or move into new areas of research through a one-year period of intensive research training and experience in a state-of-the-art research environment. Deadlines and Contact: See above or <http://grants1.nih.gov/grants/guide/pa-files/PAR-02-145.html>.

NATIONAL INSTITUTE OF MENTAL HEALTH (NIMH)

Competing Continuation Awards of SBIR Phase II Grants for Pharmacologic Agents and Drugs for Mental Disorders—Support to continue developing pharmacologic agents for brain research related to mental disorders, including research aimed at discovering new drugs for these disorders. Contact: Margaret Grabb, 301-443-3563; mgrabb@mail.nih.gov; <http://grants1.nih.gov/grants/guide/pa-files/PA-02-173.html>. Deadlines: 4/1/04, 8/1/04, 12/1/04.

Pharmacologic Agents and Drugs for Mental Disorders (SBIR)—Support to develop novel pharmacologic agents for brain research related to mental disorders, including research aimed at discovering new drugs. Contact: Michael Huerta, 301-443-3563; mhuerta@helix.nih.gov; <http://grants.nih.gov/grants/guide/pa-files/PA-02-027.html>. Deadlines: 4/1/04, 8/1/04, 12/1/04.

NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS AND STROKE (NINDS)

Individual Postdoctoral NRSA Fellowships in AIDS Research—Support for research and career development of individuals in one of the basic sciences relevant to NeuroAIDS or in clinically oriented research. Contact: Michael Nunn, 301-496-1431; mn52e@nih.gov; <http://grants1.nih.gov/grants/guide/pa-files/PA-03-087.html>. Deadlines: 4/5/04, 8/5/04, 12/5/04.

NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS (NIDCD)

Small Grant Program—Support for pilot research likely to lead to a subsequent individual research project grant application. Research must be on one or more of the following areas: hearing, balance, smell, taste, voice, speech, or language. Deadlines: 4/22/04, 7/15/04, 11/15/04. Contact: Amy Donahue, 301-402-3458; Donahuea@nidcd.nih.gov; <http://grants2.nih.gov/grants/guide/pa-files/PAR-04-062.html>.

NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)

SBIR/STTR Phase II Competing Continuation Awards—Support for advanced stage development of pharmacological treatment agents for drug and nicotine abuse and dependence. Deadlines: 4/1/04, 8/1/04, 12/1/04. Contact: Cathrine Sasek, 301-443-6071; csasek@nida.nih.gov; <http://grants1.nih.gov/grants/guide/pa-files/PA-03-154.html>.

NATIONAL INSTITUTES OF HEALTH (NIH)

Bioengineering Nanotechnology Initiative (SBIR)—Support for projects on nanotechnologies useful to biomedicine. Deadlines: 4/1/04, 8/1/04, 12/1/04. Contact: Ed Monachino, 301-496-1550; monachie@mail.nih.gov; <http://grants.nih.gov/grants/guide/pa-files/PA-02-125.html>.

Bioinformatics Education (SBIR/STTR)—Support to develop new educational curricula and tools to facilitate teaching bioinformatics to high school and college students, and genomics, genetics, and bioinformatics approaches to understanding human biology and disease to physicians. Deadlines: 4/1/04, 8/1/04, 12/1/04. Contact: Bettie J. Graham, 301-496-7531; bg30t@nih.gov; <http://grants1.nih.gov/grants/funding/sbir.htm#sol>.

Center to Reduce Cancer Health Disparities (SBIR/STTR)—Areas of interest are: Communication (training tools); Health Care and Epidemiology (software and hardware for hand-held data input and analysis devices; databases and other tools to study patterns of cancer care); New Technology (instrumentation to facilitate early detection and screening, including telemedicine and remote medical imaging, and bioengineering technology, including nanotechnology); Geographic Information Systems (simple, low-cost mapping software); Human Genomics (tools and technology for health care providers). Deadlines: 4/1/04, 8/1/04, 12/1/04. Contact: Connie Dresser, 301-435-2846; cd34b@nih.gov; <http://grants1.nih.gov/grants/funding/sbir.htm#sol>.

Chemical Screens for New Inducers of Fetal Hemoglobin (SBIR/STTR)—Support for research and development of new drugs to increase fetal hemoglobin levels for treatment of beta-chain hemoglobinopathies such as sickle cell disease (SCD) and Cooley's anemia (CA; beta-thalassemia). Deadlines: 4/1/04, 8/1/04, 12/1/04. Contact: Pankaj Qasba, 301-435-0050; qasbap@nhlbi.nih.gov; <http://grants1.nih.gov/grants/guide/pa-files/PA-03-049.html>.

Development and Clinical Testing of Biochemical Markers (SBIR/STTR)—Support to develop effective biochemical markers for early diagnosis and treatment of alcohol dependent/abuse patients and for identification of individuals who have a

predisposition for alcoholism. Deadlines: 4/1/04, 8/1/04, 12/1/04. Contact: Karen P. Peterson, 301-451-3883; kpeterso@mail.nih.gov; <http://grants1.nih.gov/grants/funding/sbir.htm#sol>.

Development of PET and SPECT Ligands for Brain Imaging (SBIR)—Support for commercial development of novel radioligands for PET and SPECT imaging in the human brain, and to incorporate pilot or clinical feasibility evaluation in preclinical studies, model development, or clinical studies. Contact: Margaret Grabb, 301-443-3563; mgrabb@mail.nih.gov; <http://grants.nih.gov/grants/guide/pa-files/PA-02-028.html>. Deadlines: 4/1/04, 8/1/04, 12/1/04.

Developmental Biology and Perinatal Medicine Research (SBIR/STTR)—Support for research on pregnancy and perinatology; developmental biology, genetics, and teratology; and mental retardation and developmental disabilities. Deadlines: 4/1/04, 8/1/04, 12/1/04. Contact: Louis A. Quatrano, 301-402-4221; lq2n@nih.gov; <http://grants1.nih.gov/grants/funding/sbir.htm#sol>.

Division of Cancer Prevention and Control - NCCDPHP (SBIR)—Support for comprehensive cancer surveillance, epidemiologic, health, and behavioral science research, communications, and program services to reduce illness and death associated with cancer. Deadlines: 4/1/04, 8/1/04, 12/1/04. Contact: Sharron Orum, 770-488-2716; sorum@cdc.gov; <http://grants1.nih.gov/grants/funding/sbir.htm#sol>.

Division of Diabetes Translation - NCCDPHP (SBIR)—Support for applied research on assessing the burden of diabetes, prevention and early detection of diabetes, treatment of its complications, improving quality of and access to diabetes care, and developing and evaluating new approaches to improve care for persons with diabetes. Deadlines and Contact: See above.

Division of Reproductive Health - NCCDPHP (SBIR)—Support to promote optimal reproductive and infant health and quality of life by influencing public policy, health care practice, community practices, and individual behaviors through scientific and programmatic expertise, leadership, and support. Deadlines and Contact: See above.

Environmental Disease Pathophysiology Program (SBIR/STTR)—Support for research and training focused on identification, assessment, and mechanism of action of agents in the environment that are potentially harmful to human health. Deadlines: 4/1/04, 8/1/04, 12/1/04. Contact: Jerrold J. Heindel, 919-541-0781; heindelj@niehs.nih.gov; <http://grants1.nih.gov/grants/funding/sbir.htm#sol>.

Health Services Research on Alcohol-Related Problems (SBIR/STTR)—Support to expand knowledge and improve delivery of alcohol treatment and prevention services. Deadlines: 4/1/04, 8/1/04, 12/1/04. Contact: Karen P. Peterson, 301-451-3883; kpeterso@mail.nih.gov; <http://grants1.nih.gov/grants/funding/sbir.htm#sol>.

Individual Predoctoral National Research Service Awards are awarded by the National Institutes of Mental Health, Drug Abuse, Alcohol Abuse and Alcoholism, and Environmental Health Sciences to individuals for research training in specified areas of biomedical and behavioral research. Potential applicants should contact the appropriate Institute office, listed under INQUIRIES in the full announcement at the website below, to obtain current information about program priorities. Deadlines: 4/5/04, 8/5/04, 12/5/04. Contact: Walter Goldschmidts, 301-443-3563; wg8u@nih.gov; <http://www.grants.nih.gov/grants/guide/pa-files/PA-99-089.html>.

Innovative Technologies for Enhancing Function for Individuals With Disabilities—Support for research that facilitates rehabilitation of individuals with disabilities resulting from injury and disease. Contact: Louis Quatrano, 301-402-4221; quatrani@exchange.nih.gov; <http://grants2.nih.gov/grants/guide/pa-files/PA-02-071.html>. Deadlines: 4/1/04, 8/1/04, 12/1/04.

Integrative Graduate Education and Research Traineeship (IGERT)—Support to establish innovative new models for graduate education and training in a fertile environment for collaborative research that transcends traditional disciplinary boundaries. Deadlines: 4/29/04

(Preliminary Proposal); 10/29/04 (Full Proposal). Contact: Lenore Clesceri, 703-292-8696; lclescer@nsf.gov; <http://www.nsf.gov/pubs/2004/nsf04550/nsf04550.htm>.

Knowledge Integration Across Distributed Heterogeneous Data Sources (SBIR/STTR)—Support to develop innovative software for addressing integration of distributed cross-disciplinary data sources into coherent knowledge bases for biomedical research. Deadlines: 4/1/04, 8/1/04, 12/1/04. Contact: Bret Peterson, 301-435-0758; bretp@ncrr.nih.gov; <http://grants1.nih.gov/grants/guide/pa-files/PA-03-001.html>.

Longitudinal Analysis of Complex Survey Data (SBIR/STTR)—Support for research pertaining to modeling with complex sample data. Deadlines: 4/1/04, 8/1/04, 12/1/04. Contact: Karen P. Peterson, 301-451-3883; kpeterso@mail.nih.gov;

<http://grants1.nih.gov/grants/funding/sbir.htm#sol>.

National Center on Birth Defects and Developmental Disabilities (NCBDDD) (SBIR)—Support for projects that promote optimal fetal, infant, and child development; prevent birth defects and childhood developmental disabilities; enhance quality of life and prevent secondary conditions among children, adolescents, and adults who are living with a disability. Deadlines: 4/1/04, 8/1/04, 12/1/04. Contact: Lisa T. Garbarino, 770-498-3979; lgt1@cdc.gov; <http://grants1.nih.gov/grants/funding/sbir.htm#sol>.

National Institute of Biomedical Imaging and Bioengineering (SBIR/STTR)—Support for hypothesis-, design-, technology-, or problem-driven research relating to discovery, design, development, translation, and assessment of new knowledge in biomedical imaging and bioengineering. Deadlines: 4/1/04, 8/1/04, 12/1/04. Contact: Todd Merchak, 301- 496-8592; merchakt@mail.nih.gov; <http://grants1.nih.gov/grants/funding/sbir.htm#sol>.

The National Institutes of Health Director's Pioneer Award (NDPA) was established to fund investigators of exceptionally creative abilities and diligence, for 5 years, to allow them to develop and test far-ranging ideas. Awardees are expected to commit the major portion of their effort to activities supported by the NDPA. It will not support ongoing research projects or expand funding of persons already well supported. Deadline: 4/1/04. Contact: NIH, pioneer@nih.gov; <http://grants.nih.gov/grants/guide/notice-files/NOT-RM-04-007.html>.

National Research Service Awards for Senior Fellows support individuals with at least 7 years of research experience beyond the doctorate, who have progressed to the stage of independent investigator, to take time from regular professional responsibilities for training to increase their scientific capabilities. Deadlines: 4/5/04, 8/5/04, 12/5/04. Contact: See the complete announcement at the following website for a listing of contacts in participating centers/institutes: <http://grants.nih.gov/grants/guide/pa-files/PA-00-131.html>.

Phase II Competing Continuation Awards (SBIR/STTR)—Support to continue development of products that require approval of a federal regulatory agency (e.g., Food and Drug Administration), including, but not limited to, medical implants, drugs, vaccines, and new treatment or diagnostic tools that require FDA approval. Contact: Michael-David ARR Kerns, 301-496-9322; kernsm@nia.nih.gov; <http://grants1.nih.gov/grants/funding/sbir.htm#sol>. Deadlines: 4/1/04, 8/1/04, 12/1/04.

Predictive Test Systems for Safety Evaluation Program (SBIR/STTR)—Support to develop, standardize, and validate sensitive and specific new and novel tests or batteries of tests to provide faster and cheaper alternatives to the use of standard rodent and rabbit toxicity tests, i.e., assays for carcinogenicity, immunotoxicity, reproductive or developmental toxicity, dermal toxicity, neuro or other organ system toxicity including acute local and systemic toxicity. Deadlines: 4/1/04, 8/1/04, 12/1/04. Contact: Jerrold J. Heindel, 919-541-0781; heindelj@niehs.nih.gov; <http://grants1.nih.gov/grants/funding/sbir.htm#sol>.

Probes for Microimaging the Nervous System (SBIR)—Support for research and development of probes that generate signals detectable by one or more imaging modality. Deadlines: 4/1/04, 8/1/04, 12/1/04. Contact: Margaret Grabb, 301-443-3563; mgrabb@mail.nih.gov; <http://grants.nih.gov/grants/guide/pa-files/PA-02-029.html>.

Promoting Adherence to Medical, Pharmacologic, and Behavioral Treatments (SBIR/STTR)—Support to develop programs to implement effective interventions and evaluate their implementation; or professional education courses or web-based training modules on interventions and to monitor their effectiveness. Contact: Karen P. Peterson, 301-451-3883; kpeterso@mail.nih.gov; <http://grants1.nih.gov/grants/funding/sbir.htm#sol>. Deadlines: 4/1/04, 8/1/04, 12/1/04.

Ruth L. Kirschstein National Research Service Awards for Individual Postdoctoral Fellows support training within the broad scope of biomedical, behavioral, or clinical research. Deadlines: 4/5/04, 8/5/04, 12/5/04. Contact: See the complete program announcement at the website below for a list of contacts in participating institutes/centers: <http://grants1.nih.gov/grants/guide/pa-files/PA-03-067.html>.

Single Molecule Detection and Manipulation (SBIR/STTR)—Support for research on technology and methodology related to detection and manipulation of single molecules. Deadline: 4/1/04. Contact: Catherine Lewis, 301-594-0828; lewisc@nigms.nih.gov; <http://grants.nih.gov/grants/guide/pa-files/PA-01-050.html>.

Structural Biology of Membrane Proteins (SBIR/STTR)—Support for studies to solve the structures of membrane proteins at atomic resolution and develop tools needed to solve these structures. Contact: Peter C. Preusch, 301-594-5938; preuschp@nigms.nih.gov; <http://grants.nih.gov/grants/guide/pa-files/PA-02-108.html>. Deadlines: 4/1/04, 8/1/04, 12/1/04.

Systems and Methods for Small Animal Imaging (SBIR/STTR)—Support for research and development related to devices,

methods, and imaging agents for investigation of biological and disease processes in small animals. Deadlines: 4/1/04, 8/1/04, 12/1/04. Contact: Brenda J. Korte, 301-451-4772; kortebr@mail.nih.gov; <http://grants1.nih.gov/grants/guide/pa-files/PA-03-031.html>.

NATIONAL SCIENCE FOUNDATION (NSF)

Interagency Education Research Initiative (IERI)—Support for scientific research on effectiveness of educational interventions (defined as educational practices, strategies, curricula, or programs) in preK-12 science and/or mathematics as they are implemented in varied school and home settings with diverse student populations. Deadlines: 4/1/04 (Letter of Intent); 5/10/04 (Full Proposal). Contact: C. Sloane Finbarr, 703-292-5146, fsloane@nsf.gov; <http://www.nsf.gov/pubs/2004/nsf04553/nsf04553.txt>.

Mathematical Sciences: Innovations at the Interface with the Sciences and Engineering (NSF 04-538)—Support for fundamental research in mathematics and statistics, and integration of mathematical and statistical research across the full range of science and engineering disciplines. Initial emphasis will be on mathematical and statistical challenges posed by large data sets, managing and modeling uncertainty, and modeling complex nonlinear systems. Innovative educational activities that foster closer connections between research and education in the mathematical sciences will also be supported. Deadlines: 4/7/04, 11/15/04. Contact: National Science Foundation, <http://www.nsf.gov/pubs/ods/getpub.cfm?nsf04538>.

Partnerships for Innovation (PFI)—Support for any one or combination of the following: research, technology transfer, and/or commercialization; workforce education and/or training; and establishing infrastructure to accomplish or enable innovation. Deadlines: 3/10/04 (Letter of Intent); 5/17/04 (Full Proposal). Contact: John C Hurt, 703-292-5332; jhurt@nsf.gov; <http://www.nsf.gov/pubs/2004/nsf04556/nsf04556.txt>.

Research in Biogeosciences 2004 (NSF 04-535)—Support for studies concerned with microbial processes. Focus I emphasizes understanding microbial processes affecting geological materials; Focus II emphasizes methods for study of geomicrobial processes. Deadline: 4/1/04. Contact: Rachael Craig, 703-292-8233; rcraig@nsf.gov; <http://www.nsf.gov/pubs/ods/getpub.cfm?nsf04535>.

SONTAG FOUNDATION

Sontag Foundation Distinguished Scientist Awards support research on brain cancer. Contact: Kay W. Verble, 904-273-8755; kverble@sontagfoundation.com; http://www.sontagfoundation.com/grant_opps/grant_opps.htm. Deadline: 4/7/04.

TECH MUSEUM OF INNOVATION

The Tech Museum Awards Program honors innovators and visionaries from around the world who are applying technology to profoundly improve the human condition in the categories of education, equality, environment, health, and economic development. Deadline: 4/5/04. Contact: Tech Museum of Innovation, 408-795-6338; techawards@thetech.org; <http://www.thetech.org/techawards/>.

WOODROW WILSON NATIONAL FELLOWSHIP FOUNDATION

Practicum Grants support humanities Ph.D. students who have created public scholarship internships, engaging their scholarship in a context outside of college teaching and research. Deadline: 4/2/04. Contact: Woodrow Wilson National Fellowship Foundation, 609-452-7007; practicum@woodrow.org; http://www.woodrow.org/phd/Practicum/practicum_grants_faq.html.

— William Gosnold, interim director, research and program development.

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