

THE REVIEW

UNIVERSITY OF NORTH DAKOTA
SCHOOL OF MEDICINE & HEALTH SCIENCES



For Tanja Wardell (above, top), a student in the Physician Assistant (PA) Program, it was her first experience as a medical worker in a foreign country. She and seven others from UND spent two weeks in Haiti in November providing desperately needed health care services to the most poor and needy of this hemisphere. “I wanted to experience Third World medicine and a different culture, and to see how things are done where you don’t have money or supplies... or anything,” she said. “It was shocking. We don’t realize what it is to be without, and they live without, every day (wondering) how they’re going to find enough food (to) feed their families.” Wardell came away with a greater ability to trust her instincts “instead of tests and procedures; you’re going on the clinical exams because you don’t have back-up” to confirm diagnoses. Wardell, of Lovell, WY, graduated in the PA Class of ’01.

IN REVIEW

Alum's Appreciation for His Education

In writing to inform the UND School of Medicine and Health Sciences about the death of one of our accomplished alums, **Jerry Hordinsky, M.D. (B.S. Med. '65)**, whose obituary was included in the January '01 issue of THE REVIEW, Mrs.

Hordinsky also wrote:

"Jerry... always appreciated his connection with the University. I hope that you continue your excellent work in producing physicians who are among the finest anywhere."

*Martha R. Hordinsky
Oklahoma City, OK*

Welcome Back to Campus

Alumni Days Set for May 23-25

All alumni of the UND School of Medicine and Health Sciences are cordially invited to return to campus for Alumni Days this spring. The event, set for May 23-25, will feature the classes of '41, '46, '51 and '56.

Special gatherings for medical alumni include a breakfast May 24 at Swanson Hall and a tour of the school's complex May 25. Tours also will be conducted for alums who wish to see the new Engelstad hockey arena on the north

end of the campus, the Alerus Center just south of the campus, and the Grand Forks-East Grand Forks' downtown districts, restored since the Flood of '97.

Three Sioux Award recipients will be honored during a banquet May 24 at the Westward Ho in Grand Forks. Numerous other receptions, tours, luncheons and get-togethers are planned.

For more information, or to register, call Stacy at the UND Alumni Association: 1-800-543-8764.

Mark your calendar!

Frank N. Low Research Day

April 19, 2001

University of North Dakota
School of Medicine & Health Sciences
Grand Forks, ND

Keynote Address:

Scott Hultgren, Ph.D.

Associate Professor of Molecular Microbiology
Washington University School of Medicine, St. Louis, MO

Please see page 14 for Schedule of Events

The Frank N. Low Research Day is a day-long event during which faculty members and graduate students share their research interests and activities. For more information, contact the Office of Research and Program Development, c/o Dr. Manuchair Ebadi, UND School of Medicine and Health Sciences, P.O. Box 9037, Grand Forks, ND 58202-9037 or phone 701/777-6221, or e-mail dkroese@medicine.nodak.edu.

Visit Our Web Site: <http://www.med.und.nodak.edu>

Calendar

April 10

Faculty Lecture Series: James Mitchell, M.D., professor and chairman of neuroscience, Fargo, presents "Research on the Treatment of Bulimia Nervosa," 4:30 p.m., North Dakota Museum of Art, UND campus, Grand Forks (preceded by reception at 4 p.m.); for more information, call 701-777-4195

April 19

Frank N. Low Research Day, for faculty and students to share current research interests and activities, UND School of Medicine & Health Sciences, 501 N. Columbia Road, Grand Forks; more information, call Deb Kroese at 701/777-6221 (e-mail: dkroese@medicine.nodak.edu)

May 12

M.D. Commencement, Doctor of Medicine (M.D.) Class of 2001, 1:30 p.m., Chester Fritz Auditorium, UND campus (preceded by Commencement Awards Brunch, 10 a.m., Ramada Inn, Grand Forks); for more information, call the Office of the Dean, 701/777-2514

May 13

UND General Commencement, 1:30 p.m., Hyslop Sports Center, UND campus; for more information, call 701/777-4267

May 23-25

UND Alumni Days, honoring classes of '41, '46, '51 and '56, UND campus, Grand Forks; more information, call the UND Alumni Association at 1-800-543-8764

Address Changes

We appreciate receiving notice of address changes. Please send this information to:

Kitty Monley, Office of Administration and Finance, UND School of Medicine and Health Sciences, Box 9037, Grand Forks, ND 58202-9037; by e-mail (mkonley@medicine.nodak.edu), or call 701/777-2431 during business hours: 8 a.m. to 4:30 p.m. weekdays.

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DEAN'S LETTER

Attracting Millions in Funding

Research: The Intellectual Industry of Biomedical Inquiry

The UND School of Medicine and Health Sciences attracts \$8 million a year in funding from sources outside the state of North Dakota to support the work of dozens of researchers involved in scientific inquiry.

That's \$8 million in new wealth that flows directly into the economy of Grand Forks and other North Dakota cities. Most of that money, 75 percent, is used for salaries which, of course, is spent by these talented employees to purchase homes, cars, groceries, clothing, gasoline and entertainment; to pay for heat, light and phone bills, and taxes... you name it.

The economy is strengthened by the work of intelligent, productive, creative researchers whose ideas are worthy of investment by agencies which fund research. Communities where sound research is taking place do not get gritty smokestacks, polluting eyesores and other environmental menaces. They get a "clean industry" populated with bright,



Speaking to the representatives of business and higher education at the Research and Development Showcase earlier this month in Bismarck

responsible people with a penchant for questioning and examining in order to uncover new information that leads to a deeper understanding of diseases and improved treatments for them.

I was pleased to present the UND medical school's contributions and perspective on research in North Dakota at the recent Research and Development Showcase, sponsored by the North Dakota Department of Economic Development and Finance, UND, NDSU and the North Dakota University System in Bismarck. The event, coordinated by the UND Energy and Environmental Research Center, was a welcome opportunity to tell the audience the **UND School of Medicine and Health Sciences is at the forefront in several areas of research and, because of the quality of**

that research, has attracted millions in research funding that will grow, I predict, by leaps and bounds in the coming years.

The good-paying jobs that characterize our research enterprise have drawn many energetic and innovative people (and their families) to the state, and we see that trend burgeoning in the near future.

The addition of the new \$6 million Biomedical Research Facility, dedicated last October, has strengthened our hand in the competitive world of research funding. The investment in that building, shared between UND and the state legislature, will bear fruit well beyond the initial commitment, fruit that will benefit the entire region.

Research and higher education play a critical role in positioning North Dakota for success and strengthening its economic development. We are, and will continue to be, ready to play a major role in that effort.

H. David Wilson, M.D.
Dean

Impact of Research

New Wealth

Research attracts millions of dollars annually in revenue to the State of North Dakota for a "clean industry"

New Jobs

Research creates good jobs with substantial salaries to retain and attract bright people (and their families) who become North Dakota taxpayers and consumers of goods and services

New Knowledge

Research connects the State of North Dakota with others who are uncovering new information to further scientists' understanding of disease

Intellectual Industry

Biomedical Research at the UND School of Medicine and Health Sciences



Through scientific research, our investigators seek to answer questions that lead to greater understanding of the body and its function, information which ultimately improves treatment. We have built a solid reputation for cutting-edge research in numerous areas of study.

Focus

- Parkinson's Disease
- Cancer (breast, prostate, colon)
- Diabetes and other diseases of metabolism
- Cardiovascular and kidney disease
- Neuroscience (alcoholism, eating disorders, vision)
- Infectious diseases
- Rural health (Emergency Medical Services for Adults and Children)
- Environmental toxicology (agricultural pesticides and water quality)
- Clinical studies with patients to determine effectiveness of drugs and therapies
- Educational research and computing technology

Research Centers

- Center of Excellence in Neuroscience
 - Parkinson's disease
 - Eating disorders (anorexia, bulimia and others)
 - Multiple sclerosis
 - Alzheimer's disease
 - Diabetic neuropathy
- Center for Study of Health Promotion
 - Preventive medicine
 - Behavioral science
 - Tobacco use
 - Alcohol use
 - Substance abuse
 - Diet/exercise
 - Environmental health studies
 - Elderly and rural problems
 - Accidents
 - Depression
 - Diabetes



UND biomedical research attracts more than \$8 million annually in funding from organizations such as the National Institutes of Health, National Science Foundation, American Cancer Society, American Diabetes Association and American Heart Association.



In the highly competitive world of biomedical research, only the most promising and significant investigations receive financial support. At the national level, proposals totaling \$50 million from the UND medical school are currently being considered for funding.

Projected Research Income

by 2003
\$12 - 17 million

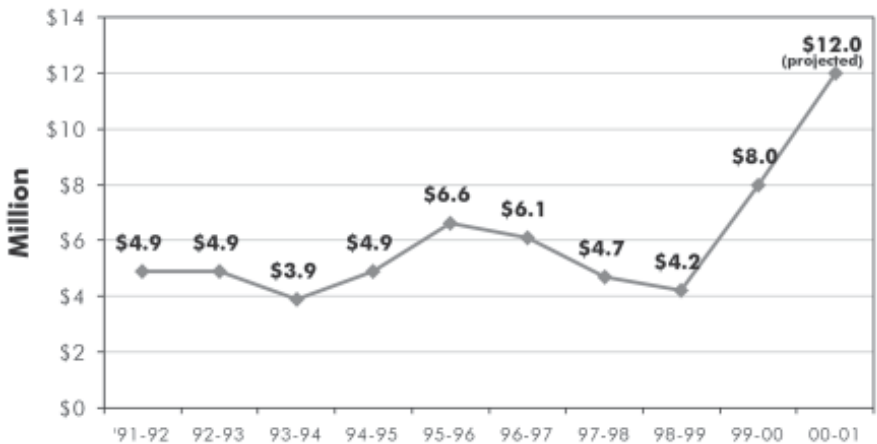
by 2006
\$25 - 50 million

**\$8 million
research/year:
75% = salaries**



Recruiting new researchers means the influx of new employees (and families) whose salaries strengthen the economy of the region.

Income: Grants and Contracts



UPDATE

At Founders Day Celebration

Neuroscience Earns Award for Departmental Excellence in Research

During the annual Founders Day celebration Feb. 22 at UND, the Department of Neuroscience received the Fellows of the University Award for Departmental Excellence in Research. The award is given to a department which has made consistent and significant contributions to the research mission of UND.

The Department of Neuroscience is “an exceptional department that is exceedingly productive and most worthy of this award,” said **Dean H. David Wilson, M.D.** The chairman, **James Mitchell, M.D.**, professor of neuroscience, Fargo, “has created a research, clinical care and teaching department that our university can look to with pride.

“For the year ending last June, faculty members contributed to 33 published papers, 26 papers in press, four books published or in press, 16 book chapters, 13 abstracts and 45 presentations,” Wilson said. “Currently their outside funding totals over \$5.5 million.”

The department is nationally and even internationally recognized and respected through the faculty members’ service as reviewers and expert panelists, he said.

“Most importantly, research performed by faculty in this department has contributed to the body of knowledge in



Members of the Department of Neuroscience who were on hand at the UND Founders Day event to accept the Fellows of the University Award for Departmental Excellence in Research: seated (from left): Nancy Vogeltanz-Holm, Ph.D., assistant professor, Grand Forks; Loraine Olson, administrative secretary, Grand Forks, and Arlinda Kristjanson, Ph.D., assistant professor, Grand Forks; and standing (from left): Henry “Hank” Slotnick, Ph.D., professor, Grand Forks; David Carlson, M.D. ’91, assistant professor, Fargo; Robert Olson, M.D., clinical assistant professor, Fargo; Perry Benson, programmer-analyst, Grand Forks; Stephen Wonderlich, Ph.D., associate chairman and professor, Fargo; James Roerig, Pharm.D., associate professor, Fargo; Blake Gosnell, Ph.D., clinical associate professor, Fargo; Ross Crosby, Ph.D., clinical associate professor, Fargo, and Richard Wilsnack, Ph.D., professor, Grand Forks. (Professor and Chairman James Mitchell, M.D., Fargo, was unable to attend the event.)

several areas,” he concluded. “For instance, long-term studies have provided essential information on the use and abuse of alcohol by women.

“And through research in partnership with the Neuropsychiatric Research Institute (in Fargo), investigators have expanded our understanding of the causes of and treatments for eating disorders.”

‘(Their) research has contributed to the body of knowledge in several areas (including) the causes of and treatments for eating disorders.’

Dean H. David Wilson, M.D.

Presented at Dakota Conference

Awardees Lauded for Outstanding Contributions to Rural Health

Several individuals and a program were honored recently for outstanding leadership in advancing the quality of rural health care in North Dakota. The awards were presented during the annual Dakota Conference on Rural and Public Health Feb. 27-Mar. 1 in Bismarck.

The award recipients are:

Outstanding Rural Health Provider
- Michelle Hardy, FNP '92, family nurse

practitioner, Beach Medical Clinic, Beach, ND;

Outstanding Rural Health Professional - Liz Bustad, Upper Missouri District Health Unit, Williston, ND;

Outstanding Rural Health Program - Women's Health Program, Northwood Deaconess Health Center, Northwood, ND, and

Outstanding Rural Health Volun-

teer - Wing Rural Ambulance, Wing, ND.

Hardy, a '92 graduate of the UNDSMHS Physician Assistant Program (then called the Family Nurse Practitioner Program), is the primary medical provider at the Beach Medical Clinic where she sees about 450 patients monthly. She is an active community volunteer, participating in health fairs and health education events and serving as a member of the Beach Ambulance Squad and board, and on the Golva (ND) School Board.

Bustad, director of the WIC

(Women, Infants and Children) program of the Upper Missouri District Health Unit, is founding member of the "Building Healthy Families" coalition. Her work has led to new and improved pre- and post-natal education opportunities for families in northwest North Dakota. She champions breastfeeding and teaches a course called "Natural Nourishment."

The Women's Health Program, started in 1994, serves Northwood and surrounding area, including Larimore, by promoting regular mammograms and Pap smears. The program also has been participated in well-baby clinics, the WIC and Women's Way programs, immunizations, labor and delivery classes, telephone support for new breastfeeding mothers, bone scan clinics and diabetes screening. It has branched out to offer education for babysitters and PSA screening for men.

The Wing Ambulance Service, recognized as a group, consists of volunteers who have gone above and beyond the call of duty, according to the nomination letter. Members of the squad respond to calls 24 hours a day. In addition to providing certain health care services, they host events designed to improve residents' health and safety. Because of their actions, many health emergencies have been prevented by early detection for which medical attention was needed.

Vari Receives Thomas J. Clifford Award for Role in M.D. Curriculum Renewal

Richard Vari, Ph.D., assistant dean for science in medicine education, Grand Forks, received an award during the UND Founders Day celebration for his contributions to the UND School of Medicine and Health Sciences.

Vari, who also serves as associate professor of pharmacology, physiology and therapeutics, was selected to receive the Thomas J. Clifford Faculty Achievement Award for Outstanding Faculty Development and Service.

Vari earned the award on the basis of his leadership role in the renewal of the medical curriculum which has significantly altered the way students learn about medicine. Under the renewed curriculum, students become active, independent learners, using a "patient-centered learning" approach, and behave in patterns more closely resembling the way physicians function.

He "is able to establish an atmosphere of collaboration and willing contribution which brings out the best of the 'teacher' in each faculty member, to the benefit of the students and the school," according to the nominator. Another wrote that Vari "is the individual who is most responsible for the fact that a new, effective curriculum is working" at the school.

Also, during Founders Day activities, among others who were honored for their career accomplishments and contributions: Henry "Hank" Slotnick,



Richard Vari, Ph.D.

Ph.D., professor of neuroscience, Grand Forks, who plans to retire in May.

Slotnick holds two Ph.D. degrees: the first in education, the second in applied statistics and research methods. The

second degree opened an area of study that led to his focus on how physicians learn, "the most exciting work I've ever done," he said.

He is widely recognized as an authority on this subject and his writings have been published in journals and textbooks. He has received several awards from organizations including the American Educational Research Association and the Alliance for Continuing Medical Education.

Those recognized for 25 years of service: Wayne Bruce, Ph.D., professor of pathology and director of the clinical laboratory science program, Grand Forks, and **Mary Coleman**, instructor of pathology, Grand Forks.

Each honoree received a gift and certificate, signifying 25 years of service, signed by UND President Charles Kupchella.

Working with Health Foundation

PA Faculty and Students Provide Primary Care to Haiti's 'Poor and Broken'

Editor's Note: The following is an account by Annette Larson, instructor in community medicine and a faculty member with the Physician Assistant Program, Grand Forks, about the experience of a group of faculty and students who visited Haiti for two weeks, offering health care to the poor and underserved in Jeremie and surrounding communities.

In Jeremie, Haiti, a city of about 37,000 which overlooks the waters of the Caribbean, stands a large green building emblazoned with the letters "HHF" on the garage. The letters stand for Haitian Health Foundation, a not-for-profit, health and human services organization founded in the mid-'80s to serve the poor in the isolated, mountainous western portion of the island, about 150 miles from Port au Prince.

The foundation is a volunteer, grassroots, humanitarian organization



Ann Baker, PA '01, of Avon Park, FL, with one of her younger patients at an orphanage where she, faculty and other students of the Physician Assistant (PA) Program worked at a mountain village near Jeremie, Haiti



Among the PA students who went to Haiti in November to provide health care for its poor: (from left) Deb Sybrant of Hamilton, MT; Becky Streit, Monticello, Iowa, and Sandy Soulek, Viborg, SD (all graduated from the PA Program in January). At left is an area prepared for them to use to when examining patients.

that provides outpatient medical care, eye and dental care, pre- and postnatal and pediatric care for the poor of Jeremie and the surrounding villages. Its mission is to bring improved health, survival and hope to the more than 200,000 of this hemisphere's poorest people.

Mary Ann Laxen, director of the Physician Assistant (PA) Program, Grand Forks, has worked intimately with this organization since 1991. In her first experience at Jeremie she worked with health agents to develop a census of the people in three districts of Jeremie and surrounding areas as well as to provide primary health care.

In 1995, Laxen, then a faculty member in the PA program at St. Louis University in Missouri, offered students a chance to participate in her work in Haiti through a three-week clinical experience in tropical medicine.

Under her guidance, 13 PA students have worked in Jeremie in the past five years.

Last fall, on Nov. 17, UND PA faculty members Laxen and **Annette Larson**, instructor in community medicine, Grand Forks, met students in a Miami hotel. UNDSMHS PA students - **Ann Baker, Sandy Soulek, Becky Streit, Deborah Sybrant and Tanja Wardell**, and a nursing student from Minnesota State University-Moorhead, Rebecca Radcliffe, represented seven states: North Dakota, Minnesota, South Dakota, Wyoming, Montana, Iowa and Florida.

The next morning, members of the group, clad in UND School of Medicine gray t-shirts and carrying more than 800 pounds of supplies, boarded the plane for Port au Prince, Haiti. During a 24-hour layover there we had to quickly adjust to the tropical weather and the sounds of the city: roosters crowing and dogs barking.

Arriving in Jeremie the afternoon of Nov. 19, we quickly began preparing for the next two weeks. Supplies were

organized and various duties were delegated. We reviewed objectives for the clinical experience and made assignments.

Over the next two weeks we provided primary care to patients at the HHF clinic in Jeremie as well as five mountain villages; we visited schools and orphanages to provide fluoride treatments to children, ages six to twelve; participated in refeeding clinics, observed teaching at mothers' clubs, and learned about the "Save a Family" program.

Our differential diagnosis list included, but was not limited to malaria, typhoid fever, tuberculosis, HIV, parasites, bacterial pneumonia, malnutrition, kwarsika (a potentially fatal type of malnutrition), scabies, impetigo, anthrax and ringworm. Students and faculty teamed closely with Haitian workers, sharing information and methodologies. This rapport enhanced the cultural experience of the group and

provided continuing education for Haitian professionals.

Hundreds of volunteers venture to Jeremie to serve for periods ranging

from one week to several years. Many return annually, and when they come home they become ambassadors for the Foundation's work in Haiti.

For two weeks in November, eight Americans became such ambassadors. We shared with the

poor and the broken and, in the process, achieved a renewed appreciation for all the blessings we possess.



Rebecca Radcliffe, from Roseau, MN, treats a patient by debriding his second-degree burns.



PA Program Director Mary Ann Laxen, Grand Forks, enjoys the universal language of laughter as she tries to communicate with an elderly Haitian woman in a building used as a school, church and clinic.



Annette Larson, instructor in community medicine with the PA Program, Grand Forks, during her first experience in Haiti, getting ready to see patients in a remote mountain village.

ALUMNI

According to Alum's Observation

Many UND Grads in Emergency Medicine Residency Selected to Serve as Chief

"I have run into several classmates at various meetings this year and have learned something quite unique: **Although UND does not have an affiliated Emergency Medicine residency (program), the majority of my classmates have all been selected as chief residents of their respective programs.**

"This (speaks) quite highly of the caliber of UND School of Medicine graduates. Note the following are currently serving as chief residents:

"**Sue Zola, M.D. '98**, at St. Paul-Regions,

Remembering Medical School Alums of the 1920s

"I thought you might enjoy a laugh - so am enclosing a snapshot I found recently.

"My husband was **William E. Johnson (M.D. (B.S. Med. '26))** who attended UND Medical School (from 1924-26. He always had a lot of respect for his two years there before finishing at the U(niversity) of Minnesota.

"He had a wonderful career - being in the town of Morgan, MN, for 34 years. I still go back there (we had 25 married years there) and people have so many good things to say about their family doctor who made housecalls, too.

"Then he finished his career as a physician at the V.A. Hospital in St. Cloud, MN, for 12 years - retiring at almost 75 years of age. He died Jan. 27, 1986 (at the age of) almost 84.

"My husband left a small amount in his will - and contributed through the years - and I thought you might enjoy the picture - and knowing of his success which was begun at your school...

"We have a son who is an M.D. in Spokane, WA. Elmer Johnson West has one son, a cardiologist, and one in dentistry.

"**So you can be very proud of your medical school, as these two men were.**"

Sincerely,
(Mrs. Wm. E.) Helen Johnson
Mesa, AZ



Elmer Johnson West and William E. (Bill) Johnson, both members of the B.S. Med. Class of '26, traded coats and stuck cigarettes in their mouths, for this photo, according to Helen Johnson, widow of William E. Johnson, of Mesa, AZ. Neither ever smoked, she said. The photo was taken in Grand Forks in 1925.

"**Brian Sleigh, M.D. '98**, at his program (Darnal Army Community Hospital at Ft. Hood) in Texas (he was class president and an INMED (Indians Into Medicine) student);

"**Paul Bilstad, M.D. '98**, at Summa Health System at Akron City Hospital/NEOUCOM (Northeastern Ohio University College of Medicine) in Akron, Ohio,

"and myself (**Mitchel Schwindt, M.D. '98**), at Michigan State.

"I also ran into **Sara McCullough, M.D. '98**, at a meeting in Philadelphia; she has been asked to serve as chief (resident) during her final year at UCSF-Fresno."

Schwindt adds that he had the honor of being inducted into AOA (Alpha Omega Alpha) the Gamma chapter of Michigan State this year.

"I also completed a research project dealing with physician bedside clinical exam skills using a cardiology simulator and was selected for the Blocksma Award for Excellence in Research. I (presented) my study in Tortola, British Virgin Islands (in) January at the international research conference.

"Our clinical faculty continue to be impressed with the resident applicants from UND. Keep sending them our way."

Mitchel Schwindt, M.D. '98
Grand Rapids, MI

Alumni Notes

'79

Rhonda Ketterling, M.D. '79, an internist, has joined MeritCare Medical Group in Fargo and is practicing at MeritCare Hospital.



She was most recently vice president of Mercy Health Network at Mercy Health Center in Oklahoma City, OK. She earned a master's degree from the University of Wisconsin-Madison. She practiced for several years in Rugby before accepting the position she held in Oklahoma.

She and her husband live in Fargo.

UND Grads Form Sizable Contingent in Mayo Residency Programs

It is always a great pleasure to hear from alumni. You could say, it makes our day. We thought our readers would enjoy the following letter which was sent by **Amy (Korkowski) Oxentenko, M.D. '98**, to Associate Dean for Student Affairs **Judy DeMers** (reprinted with permission):

"We have noticed that we are starting to develop a significant group of UNDerS here at Mayo! This month has been really enjoyable, as I am currently the senior on one of the Internal Medicine services, with **Julie Hallanger-Johnson, M.D. '00**, and **Chris Wall, M.D. '00**, as two of the interns I cover. Not only that, but I had done my Phase site with Chris Wall in Wahpeton, and my husband (**Shawn Oxentenko, M.D. '98**) was in Hettinger with **Matt Hopkins, M.D. '00**, so we are having fun being back together! We took (this) photo as a UND memento and thought you may want it!

"Shawn and I have been married for 1.5 years now. He is soon going to be starting his last year of PM&R (physical medicine and rehabilitation), and I will finish Internal Medicine this spring, and then have been selected to do a chief (resident) year here next year. Pretty excited about that! We talk about coming back to North Dakota, so we are keeping our options open!



The "UND contingent" at the Mayo Graduate School of Medicine in Rochester, Minn., include the following alumni, now residents-in-training: (from left) **Chris Wall, M.D. '00**, first-year resident in psychiatry; **Julia Hallanger-Johnson, M.D. '00**, first-year resident in internal medicine; **Chaun Cox, M.D. '00**, first-year resident in family medicine; **Brenda Thurlow, M.D. '99**, second-year resident in pediatrics; **Matt Hopkins, M.D. '00**, first-year resident in obstetrics-gynecology; **Amy (Korkowski) Oxentenko, M.D. '98**, third-year resident in internal medicine; **Shawn Oxentenko, M.D. '98**, third-year resident in physical medicine and rehabilitation; **Dave Appert, M.D. '00**, first-year resident in dermatology, and **Steve Kubas, M.D. '96**, fifth-year resident in child and adolescent psychiatry.

"Hope all is well back at UND!"

Amy (Korkowski) Oxentenko, M.D. '98
Rochester, MN



Dennis Hoffman, Ph.D. (Biochemistry '79), is assistant research director and senior research scientist at Retina Foundation of the Southwest in Dallas, where he has worked since 1997.

He was recently featured in an ABC news story about research indicating that the addition to infant formulas of two long-chain fatty acids occurring in mothers' milk results in improved neural development. He spoke in

November at the UND School of Medicine and Health Sciences

on the topic, "Essentiality of Dietary Polyunsaturated Fatty Acids for Infant Visual Development."

He earned his doctoral degree under **W.E. "Gene" Cornatzer, Ph.D., M.D.**, professor emeritus of biochemistry, at UNDSMHS in 1979. His postdoctoral appointments were with the National Cancer Institute Carcinogenesis Training Program at Oak Ridge, TN, and the Department of Biochemistry and Obstetrics-Gynecology at the University of Texas Southwestern Medical Center in Dallas. He has written about 50 full-length papers in lipid biochemistry and the role of dietary fatty acids in eye and brain development, nutrition, antioxidants and retinal transplantation for publication in scientific journals.

Continuing the Quest for Excellence

Nordlie Endowment to Fund Lectureship in Biochemistry

The UND School of Medicine and Health Sciences established the **Robert C. Nordlie Endowment in Biochemistry and Molecular Biology** last year on the occasion of the retirement of this venerable professor and researcher who gave such devoted service to the school and its mission.

Alumni and friends, whose lives he touched in a meaningful way, may contribute to the endowment fund which will be used to support an annual lectureship in Dr. Nordlie's name. Those who are invited to the UND campus to deliver the Nordlie Lecture will be recognized leaders at the forefront of the newest developments in biochemistry and molecular biology.

The endowment will be a lasting reminder to future faculty and students of the significant impact of this gifted and accomplished scientist and teacher. As of Feb. 21, more than \$23,500 has been donated to this endowment fund.

If you wish to contribute, please make your checks payable to the UND Foundation (Nordlie Endowment) and send to the UND School of Medicine and Health Sciences, Office of the Dean, P.O. Box 9037, Grand Forks, ND 58202-9037.

Presented here, with the thanks and gratitude of the UND School of Medicine and Health Sciences, are donors who have honored Dr. Nordlie with their gifts to the **Robert C. Nordlie Endowment in Biochemistry and Molecular Biology**:

Paul and Carol Anderson, Duluth, MN
Dr. and Mrs. Wayne B Anderson, Rockville, M.D.
Robert M. Arambula, Aberdeen, SD
Drs. R. M. Arusell and J. C. Sanda, Fargo, ND
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Dr. and Mrs. Dean Bruschwein, Billings, MT
Carol A. Carani, M.D., Libertyville, IL



Robert Nordlie, Ph.D., professor emeritus of biochemistry and molecular biology and Chester Fritz Distinguished Professor, Grand Forks, dedicated four decades to teaching and research at the UND School of Medicine and Health Sciences. He estimates that he's taught, over the course of his career, more than 2000 medical students, many of whom are now practicing in North Dakota.

Gilman and Mary Carlson, Castleton, VA
Janice Chou, Ph.D., Potomac, MD
Mary Ann Carlson, M.D., Columbia Falls, MT
Donna M. Carr, Kenilworth, NJ
Dr. Edward R. Christianson, Fargo, ND

Judy Christianson, Grand Forks, ND
Mark E. Colliton, M.D., Bemidji, MN
Danilo A. Dalan, M.D., Fargo, ND
Dr. and Mrs. Byron D. Danielson, Fargo, ND
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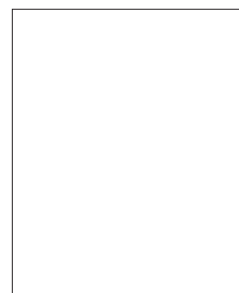
Heitkamp to Address M.D. Class of '01 Commencement Ceremonies

Heidi Heitkamp, former attorney general for the State of North Dakota, Bismarck, has been invited to present the keynote address during May 12 commencement ceremonies for the M.D. Class of 2001. She was selected by members of the graduating class to present the address.

Born and raised in Mantidor in southeastern North Dakota, Heitkamp has served as attorney general for the past eight years. A '77 graduate of UND where she majored in political science, she went on to earn a law degree at Lewis and Clark Law School in Portland, OR, in 1980.

Heitkamp, who ran for governor of North Dakota last fall, announced midway through the campaign that she was battling breast cancer. She remained in the race but lost to John Hoeven.

Commencement activities begin with a 10 a.m. brunch at the Ramada Inn



Heidi Heitkamp

presented during the brunch program.

The commencement ceremony is set for 1:30 p.m. at the Chester Fritz Auditorium on the UND campus.

For more information, contact the Office of the Dean at 701-777-2514 or by e-mail: losannes@medicine.nodak.edu.

of Grand Forks for graduates, their families and other guests, and faculty and staff of the UND School of Medicine and Health Sciences. Awards for outstanding seniors will be

To Honor Former Dean

Total Giving for Harwood Initiative Surpasses \$181,000

Alumni and friends of the UND School of Medicine and Health Sciences have contributed more than \$181,000 to the Harwood Initiative, an effort intended to honor former **Dean Theodore Harwood** for his role in leading the school during an exciting time of growth and development, 1953 to 1973.

A total of 334 gifts have been received, totalling \$181,282, from donors wishing to honor Dean Harwood, according to the UND Foundation which accepts and records such gifts for the UND medical school.

Funds received through the Harwood Initiative will be used to modernize and upgrade the exterior facade of the school's main entrance, including construction designed to improve accessibility for handicapped persons.

The interior of the entrance will also feature a display highlighting the career achievements of Dean Harwood, accompanied by a "wall of honor" with the names of all donors to the Harwood Initiative. The categories will be displayed as follows: \$5000 and above; \$2500-5000; \$1000-2500; \$500-1000, and up to \$500.

If you wish to make a donation, or add to your current gift, please send your contribution, designated for the Harwood Initiative, to the UND School of Medicine and Health Sciences, Office of Dean, P.O. Box 9037, Grand Forks, ND 58202-9037.

Here, presented with the grateful appreciation of the UND School of Medicine and Health Sciences, are donors whose gifts were received between Dec. 19, 2000, and Feb. 19, 2001:

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Twenty-first Annual

FRANK N. LOW RESEARCH DAY

APRIL 19, 2001

Karl Christian Wold, M.D., Bio-Information Learning Resources Center
UND School of Medicine and Health Sciences
Grand Forks, ND

SCHEDULE OF EVENTS

SESSION I

Thomas Hill, Ph.D. (Chair)

9:10 a.m.

Opening Remarks: **H. David Wilson, M.D.**
Dean and Professor of Pediatrics

9:15 a.m.

Presenter: **Roger Melvold, Ph.D.**
Chairman of Microbiology and Immunology
"A Regulation of Susceptibility to Demyelinating Disease"

10 a.m.

Presenter: **Holly Brown-Borg, Ph.D.**
Assistant Professor of Pharmacology, Physiology and Therapeutics
"Growth Hormone and Long Life: Lessons from Dwarf Mice"

10:45 a.m. Morning Break

SESSION II

11 a.m.

Introduction of Speaker
Roger Melvold, Ph.D.
Chairman of Microbiology and Immunology

11:10 a.m.

Scott Hultgren, Ph.D.

Associate Professor
Department of Molecular Microbiology
Washington University School of Medicine
"Bacterial Pili: Structure, Biogenesis and Function in Host-Pathogen Interactions and Disease"

12 noon - 2 p.m.

Poster Presentations

SESSION III

James Mitchell, Ph.D. (Chair)

2 p.m.

Presenter: **Bret Haake, M.D.**

Clinical Assistant Professor
Department of Neuroscience
Head, Division of Neurology
Title: "Brain Attack"

2:45 p.m.

Presenter: **Henry B. Slotnick, Ph.D., Ph.D.**

Professor of Neuroscience
"The Epidemiology of Physician Learning"

3:30 p.m.

Announcement of Poster Award and
Closing Remarks

Continuing the Quest for Excellence

With a Charitable Remainder Unitrust, Make Your Assets Work for You

A Charitable Remainder Unitrust is one of several planned giving arrangements available through the UND Foundation.

A Charitable Remainder Unitrust was the arrangement chosen by **Dr. John (B.S. Med. '44) and Mary Ellen, '45, Vaughan**, Vancouver, WA. They have found a Charitable Remainder Unitrust to be a versatile and unique way to complement their plans while ultimately providing for the UND School of Medicine and Health Sciences.

These arrangements provide an immediate income tax deduction, estate tax savings, help avoid or minimize capital gains tax, provide inflation protection, and generate income.

John, a Cando, ND, native, received a bachelor of science in medicine degree from UND in 1944. He went on to attend Northwestern University School of Medicine in Evanston, IL, where he earned his medical degree. John established the Vancouver Family Practice Group; he retired in 1990.

Mary Ellen is also a Cando native. She received a bachelor's degree in education from UND in 1945. An active volunteer, Mary Ellen has tirelessly worked on community projects. She has held appointments by two governors and served on numerous professional and service organizations. In 1982 Mary Ellen received the Sioux Award, the UND Alumni Association's highest honor. The remainder of John and Mary



Dr. John and Mary Ellen Vaughan

Ellen's Charitable Remainder Unitrust will support **The Dr. John and Mary Ellen Vaughan Medical Endowment**, established within the UND Foundation. Allocations from the endowment will support priority projects at the UND School of Medicine and Health Sciences.

For more information, please contact Dave Miedema, UND Foundation, 1-800-543-8764, or dave@undalumni.org for a personal and confidential discussion. If you wish to discuss a specific use for your gift, please call Dean H. David Wilson, M.D., at 701-777-2516.



Dave Miedema
Acting Executive Vice President
UND Foundation



H. David Wilson, M.D.
Dean, UND School of Medicine
and Health Sciences

Please contact me to discuss how a charitable remainder unitrust arrangement can benefit the University of North Dakota School of Medicine and Health Sciences.

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