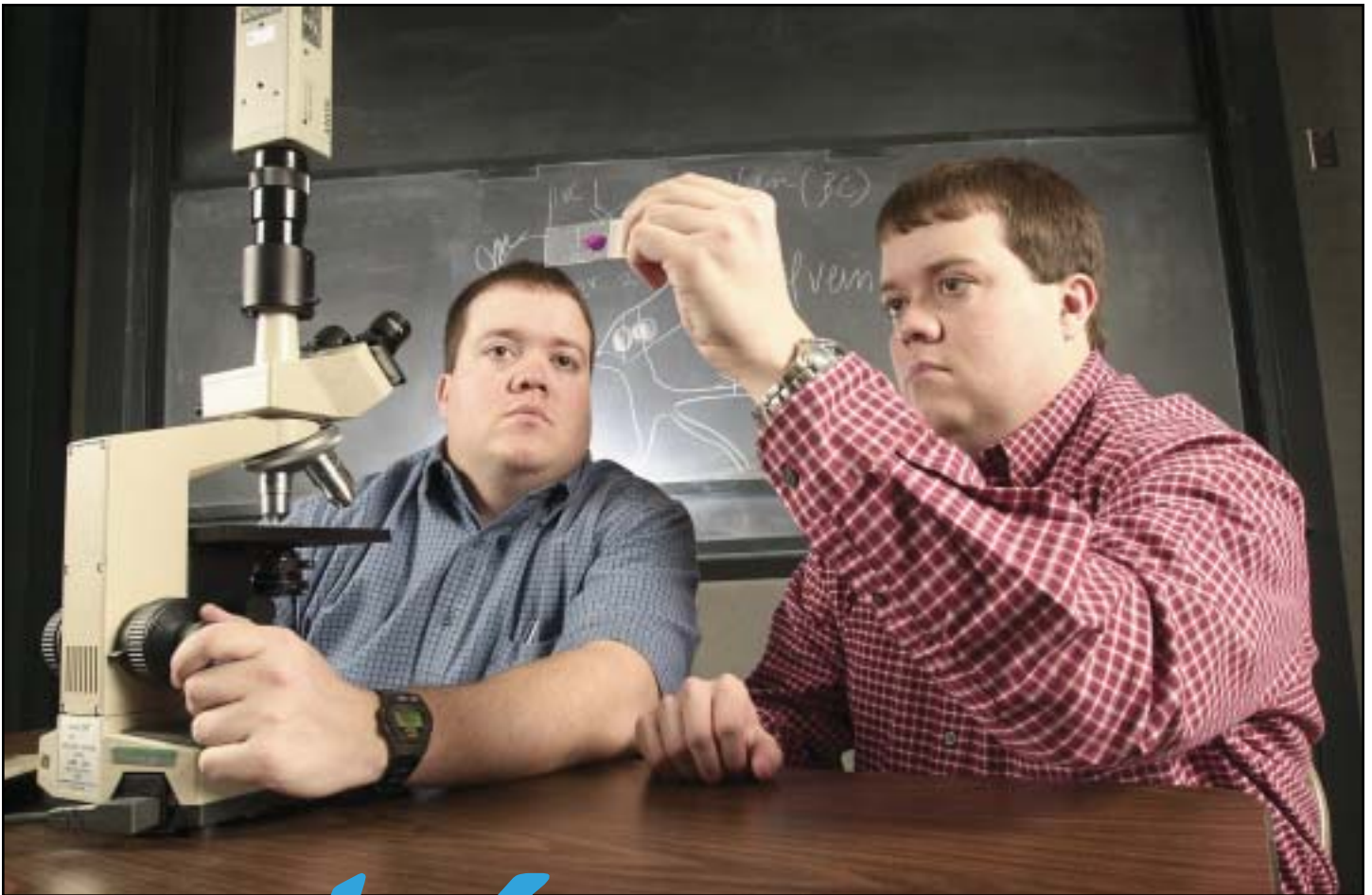


THE REVIEW

UNIVERSITY OF NORTH DAKOTA SCHOOL OF MEDICINE & HEALTH SCIENCES



Kevin and Kelly Longie, sons of Louis and Carol Longie of Tioga, ND, are on schedule to become the first twins to graduate from the University of North Dakota (UND) School of Medicine and Health Sciences. Members of the Doctor of Medicine (M.D.) Class of 2005 (shown above studying a slide containing cancer cells), they “are highly motivated; they want to succeed, and they will take advantage of every opportunity to give themselves the best in medical education,” said Kurt Borg, Ph.D., director of assessment and the academic learning center at the UND medical school, Grand Forks. “I think they are going to be very good physicians some day.” (See article inside, page 6.)

IN REVIEW

Letter

We were able to squeeze in a quick trip to the campus of UND for Alumni Days, but only for one day - the 21st (of May). We met "Harvey" at the new Clinical Education Center, and I enjoyed chatting with **Greg Holzman, M.D.** (assistant professor of community medicine, Grand Forks), who introduced us to Harvey... Greg's dad, Gerry, finished his ob/gyn residency at Johns Hopkins in 1964 just before I began there in 1965-66. Greg was born at Johns Hopkins Hospital during my tenure there.

We then went over to check on the new Harwood Entrance and were pleased to see our names on the "Wall of Honor." (This area) is a remarkable and very tasteful enhancement to the School of Medicine building. **Dr. Harwood** was a fine friend, as well as his wife, Jean, and I had many

fun discussions with him. My dad, former chief of the internal medicine department there at the School of Medicine, was instrumental in getting Ted Harwood to leave his beloved Vermont and come to the prairies of North Dakota.

We did go up to the "dinosaur floor" and had an amusing visit with **Bob Fischer (Ph.D.,** emeritus chair and professor of microbiology, Grand Forks), one of my "old" professors.

At the "meet and greet" social in the Alumni Center later in the afternoon, we had a pleasant visit with several School of Medicine acquaintances, including several from my Class of '58, one of whom had gone on to the University of Pennsylvania School of Medicine with me for our last two years and our MDs. So ... we had a most enjoyable time reminiscing about our

student days there on campus.

Your writings are always well done and a pleasure to receive. Thank you most kindly.

Most sincerely,

*Riney Goehl, M.D. (B.S. Med. '58)
Bemidji, MN*

calendar

August 8

White Coat Ceremony for the M.D.

Class of 2007: 4 p.m., Reed Keller Auditorium, UND School of Medicine and Health Sciences, Grand Forks; for more information, call the Office of Student Affairs and Admissions, 701-777-4221

September 24-27

UND Homecoming - see page 8; for more information, call Stacy Nelson at the UND Alumni Association, 1-800-543-8764

North Dakota Medical Association

Annual Meeting: Ramkota Hotel (formerly Radisson Inn), Bismarck; for more information call the NDMA at 701-223-9475

September 26-27

UND Family Weekend

Visit your son or daughter, participate in Homecoming and enjoy networking with families of UND students; for more information, call 1-800-CALL-UND or 701-777-4463 for details.

Change of address?

Please send address changes to:

Kitty Monley, Office of Administration and Finance, UND School of Medicine and Health Sciences, P.O. Box 9037, Grand Forks, ND 58202-9037
e-mail: kmonley@medicine.nodak.edu
phone: 701-777-2431

Visit our web site:

<http://www.med.und.nodak.edu>



Jon Allen, M.D. '84, associate professor of internal medicine, Grand Forks, demonstrates the new cardiac simulator model, "Harvey," to alumni and friends gathered for Alumni Days this spring at the UND School of Medicine and Health Sciences. Harvey helps medical students differentiate normal and abnormal heart sounds and learn how to assess physical findings associated with cardiovascular diseases.

THE REVIEW, SCHOOL OF MEDICINE AND HEALTH SCIENCES, University of North Dakota, CHARLES E. KUPCHELLA, President, University of North Dakota; H. David Wilson, Vice President for Health Affairs and Dean, School of Medicine and Health Sciences. **The Review (ISSN 0888-1456; USPS 077-680)** is published six times a year during January, March, May, July, September, and November by the University of North Dakota School of Medicine and Health Sciences, P.O. Box 9037, Grand Forks, ND 58202-9037. Periodical postage paid at Grand Forks ND. **POSTMASTER: Send address changes to THE REVIEW, Office of Public Affairs, UND School of Medicine and Health Sciences, P.O. Box 9037, Grand Forks, ND 58202-9037.** Pamela D. Knudson, Director of Public Affairs, School of Medicine and Health Sciences. Computer graphics and photographic assistance from J. Lee, V. Swift and W. Weber, with Medical Media at the UND School of Medicine and Health Sciences. Printed at Fine Print Inc. Grand Forks, ND. All articles published in THE REVIEW, excluding photographs and copy concerning patients, can be reproduced without prior permission from the editor. UND is an equal opportunity institution.

DEAN'S LETTER

Taking Our Place as Leaders in Advancing Professionalism in Education

Professionalism is perhaps one of the most critically important characteristics of the practicing physician. Today's environment presents many challenges to professionalism, revolving around such issues as end-of-life care, use of expensive medical technologies, disclosing medical errors and addressing potential conflicts of interest.

The UND School of Medicine and Health Sciences has been selected as one of ten schools in the U.S. and Canada to receive an award from the American Medical Association (AMA) to participate in a new initiative called Strategies for Teaching and Evaluating Professionalism (STEP). We were chosen on the basis of the strength of our application which focuses on moral judgment and clinical performance assessment. (*See article, page 6.*)

Through this initiative, we will create and test new methods of educating the next generation of physicians in the knowledge and competencies that constitute professionalism. AMA's goal is to collaborate

with the ten selected schools on developing new models for teaching professionalism that can be transferred to other medical schools.

Our selection to participate in this most essential endeavor is another indication of the high quality medical education we provide at the UND School of Medicine and Health Sciences. We look forward, with great anticipation, to working with other faculty at some of the most prestigious medical schools on the continent.

The results of this project will enhance professionalism education in medicine and, ultimately, the care given to patients and their families.

Construction on the horizon

We are preparing to break ground on a new neuroscience research facility at UND in Grand Forks and a new building in Minot.

We will consolidate our team of neuroscience researchers in the core facility, located west of the medical school, where

they will concentrate their efforts on the study of underlying causes of neurodegenerative diseases, such as Alzheimer's and Parkinson's, and related mechanisms which lead to drug-seeking behavior.

Groundbreaking for this facility is set for Sept. 25 during UND's Homecoming activities: (*see pages 4-5*).

The new structure in Minot will house the family medicine residency program and clinic, and offices for the medical school's Northwest Campus and Center for Rural Health. Groundbreaking for this building is not yet scheduled (*see page 7*).

Watch for future issues of THE REVIEW for more on these important developments.

Make plans now to return to UND for Homecoming in September

It's time to make plans to attend Homecoming this fall at UND. We welcome all alumni of the UND School of Medicine and Health Sciences back to your alma mater for the weekend of Sept. 24-27. Many events promise to make this a most enjoyable time for you and your family.

On Sept. 25, we cordially invite you to attend the Medical School Alumni Luncheon, take a tour of the facilities and witness the groundbreaking for the new neuroscience research facility (*see page 8*). We know you will be very pleased, and possibly surprised, to see the remarkable progress and changes that have taken place at the UND medical school.

For more information, please contact my office at 701-777-2514 or the UND Alumni Association at 1-800-543-8764.

We look forward to greeting you in September!



H. David Wilson, M.D.
Vice President for Health Affairs
Dean



H. David Wilson, M.D.



With a new sign, the University of North Dakota (UND) School of Medicine and Health Sciences is readily recognizable to motorists and pedestrians on the UND campus near Columbia Road. Pictured is Randy Eken, associate dean for administration and finance, Grand Forks.

Carving Our Niche

Research Team Aims Its Efforts on Neurodegenerative Disorders

The University of North Dakota (UND) School of Medicine and Health Sciences is embarking on a journey to become one of the leaders in the country in the quest to discover new knowledge of how the brain works at its most basic level — and ultimately increase scientists' understanding of the causes of neurodegenerative diseases such as Parkinson's and Alzheimer's diseases and the underlying mechanisms of drug addiction.

Research aimed at these problems, it is hoped, will lead to more effective and preventative treatment measures.

The first steps in this journey are evidenced by the school's:

- * receipt of a \$10.3 million grant from the federal government for the "Center of Biomedical Research Excellence (COBRE),"

- * award of \$3.8 million from the federal government for a microPET (positron emission tomography) scanner to be used in the study of the brain at the cellular and molecular levels, and

- * award of \$3 million from the federal government to construct a new neuroscience research facility dedicated to brain research.

Further, the UND medical school is preparing, under the direction of **Manuchair Ebadi, Ph.D.**, associate dean for research and program development, Grand Forks, and in partnership with MeritCare Health System of Fargo, to submit to the National Institute of Neurological Disorders and Stroke a multifaceted, \$7.5 million proposal to win designation as a Morris K. Udall

Parkinson's Disease Research Center of Excellence.

"We are committed to identifying and pursuing those areas where we can excel and make significant contributions," says Dean H. David Wilson, M.D.

"We cannot be all things to all people, so we must focus on a few select areas where we can carve out a niche and fill it ... such as rural health care, innovative medical education which responds to society's needs, and now neuroscience research."

North Dakota is an appropriate 'laboratory' for neuroscience research: similar to other agricultural states, it has a "quite high" incidence of Parkinson's disease, according to Ebadi. The prevalence of Parkinson's disease has been attributed to both longevity and the use of agricultural products, he says, adding that members of the state's largest minority group, American Indians, also experience a high incidence of Parkinson's.

According to the Office of National Drug Control Policy and the National Institute of Drug Abuse, North Dakota also has the dubious distinction of ranking first in the nation, per capita, in all forms of drug addiction, especially amphetamine and cocaine, he says. The incidence of Parkinson's disease increases in drug addiction, "damaging dopamine transporter."

The most significant drug threat to North Dakota is methamphetamine, Ebadi says. Cheap and easy to produce, it is



JLG and HGA, Architects

This fall, ground will be broken on a new \$3-plus million, state-of-the-art facility to house neuroscience research at the University of North Dakota (UND) School of Medicine and Health Sciences in Grand Forks. Federal funds are financing most of the cost of constructing the one-story-plus-basement, 14,000-square-foot structure which is expected to be completed in the fall of 2004.



JLG and HGA, Architects

The new neuroscience research building, to be located west of the UND medical school, at Fifth Avenue North and Hamline, will provide laboratories for neuroscientists and their assistants. With large labs and offices, the facility will feature modern support systems including central core equipment bearing central vacuum and central nitrogen, and a neuroscience library.

increasingly being made in small, clandestine “labs” throughout the state. Because of the state’s dependence on agriculture, a common product, anhydrous ammonia, is plentiful and readily available for the manufacture of methamphetamine.

A closer look at the research

In the brains of people with Parkinson’s, there is a lack of dopamine, a chemical that is necessary for movement. Essentially, researchers at the UND medical school are studying four “tracks” in the brain that deliver dopamine, in an effort to determine their individual functions.

They will use experimental animal models to uncover new information about the area of the brain where dopamine is synthesized and stored.

These dopaminergic tracks “do different things,” Ebadi says, and “you can design a drug to block the action that produces the undesirable effect. For the Parkinson’s patient, thinking is preserved but movement is not controlled; for the Alzheimer’s patient, movement is controlled but thinking is adversely affected.

“If you know which ones are involved in addiction, you can develop a mechanism for blocking the sensations that cause drug-seeking behavior.”

For the drug-user, the initial lure is the first reaction to the drug, a sense of euphoria, the neuroscientist explains. After the

user becomes hooked on the drug, he or she continues to take the substance to avoid the dysphoria, or feeling of agony, the addiction causes.

Ebadi is also recognized internationally for his work in “neuroprotection” as it relates to Parkinson’s disease. Damage to the brain’s neurons, caused by substances in the environment or agricultural products such as pesticides and insecticides, may be a factor in the higher incidence of Parkinson’s in North Dakota.

“If we know how they (neurons) are damaged, we could develop ways to protect them,” he says.

The brain is “the last portion of the body” to be intensively studied, he said. “To research this area, and be good at it, is a marvelous thing.”

Ebadi is clearly determined to direct the medical school’s search toward the goal of understanding the nature of and combating the effects of Parkinson’s, Alzheimer’s and other devastating and progressive diseases, he says. “By providing neuroprotection, we can help individuals with neurodegenerative disorders.”

NOTE: The design of the new neuroscience research facility is a result of the collaboration between architectural firms, Johnson, Laffen, Galloway (JLG) of Grand Forks, and Hammel, Green & Abrahamson, Inc. (HGA) of Minneapolis. Images are courtesy of HGA.

Neurodegenerative Diseases

Our Research Focus:

Parkinson’s disease is a progressive degenerative disease that affects an estimated 1.2 million people in the United States and Canada. The disease is caused by the death of brain cells that secrete dopamine, a neurotransmitter that inhibits brain cells that control movement and other body functions. Symptoms include tremors, body rigidity and problems in movement.

Alzheimer’s is a progressive, degenerative disease of the brain, and the most common form of dementia. It affects about 4 million Americans; one in ten persons over 65 and nearly half of those over 85 have the disease. It is a brain disorder in which nerve cells in the brain die, making it difficult for the brain’s signals to be transmitted properly. It affects memory, judgment and thinking, which curtails the person’s ability to work or take part in day-to-day life.

Named by AMA to Select Group

UND Medical School to Study Professionalism Education

The University of North Dakota (UND) School of Medicine and Health Sciences has been selected by the American Medical Association (AMA) as one of ten medical schools in the U.S. and Canada to receive funding for a new educational initiative in professionalism. There is a total of 126 medical schools in both countries.

The initiative, called Strategies for Teaching and Evaluating Professionalism (STEP), is designed to stimulate more educational creativity and generate more solutions aimed at further improving the teaching of professionalism to medical students.

Given the scientific advances of modern medicine and the inequities of the U.S. health care financing and delivery system, today's physicians confront increasingly difficult and ethical professional challenges.

STEP has been developed in response to calls from the profession and the public for greater educational accountability in training physicians to address challenges such as providing appropriate end-of-life care, rationing expensive medical technolo-

gies, addressing potential financial conflicts of interest, and disclosing medical errors.

Through STEP, the AMA will collaborate with UND and other selected medical schools to develop innovative and effective methods for educating the next generation of physicians in the knowledge and competencies that constitute professionalism. AMA's purpose is to enlist these schools to develop models for teaching professionalism that can be transferred to other medical schools.

The other schools selected for STEP are: Indiana University School of Medicine, Loyola University Chicago Stritch School of Medicine, McGill University Faculty of Medicine, Michigan State University College of Medicine, New York University School of Medicine, University at Buffalo School of Medicine and Biomedical Sciences, University of Minnesota Medical School, University of Pennsylvania, and the University of Texas Medical School at Houston.

"We are pleased and honored to be part of this prestigious group," said H.

David Wilson, M.D., UND medical school dean and vice president for health affairs. "Our faculty has given careful thought to the design of our professionalism training and evaluation plan. This plan enacts the kinds of learning we most value for medical students and strive to help them achieve."

"The STEP grant will benefit both the school and the public," according to **Judy DeMers**, associate dean for student affairs and admissions and coordinator of the STEP project at the UND medical school. **"Recognizing that professionalism is all-encompassing in any doctor-patient relationship, the medical students and faculty alike will need to know and to be held to the highest possible standards. The beneficiaries, in the end, will be the patient and the patient's family."**

This is the first time an initiative of this type has been conducted, DeMers said.

UND's medical school was selected for involvement in this project based on the strength of its grant application which focused on moral judgment and clinical performance assessment. Its faculty leaders plan to develop a set of core principles of medical professionalism. Students will be exposed to situations that pose ethical dilemmas or challenge their adherence to a professional code of conduct.

Building on its patient-centered learning curriculum, the faculty will begin to incorporate moral reasoning training into patient case studies and hold "moral dilemma" workshops for students and faculty members on a regular basis, Wilson said. It will also track students' progress on the development of their moral reasoning through the use of a "defining issues test."

According to information released by the AMA, "We are confident that STEP will catalyze more educational creativity and generate more solutions than any single institution could on its own, for the ultimate benefit of all patients."

STEP is part of an overall AMA initiative called, "Educating the Next Generation of Physicians in the Art of Medicine."

From the Cover

Doing a Double-take: Twins in Med School

Kevin and Kelly Longie, sons of Louis and Carol Longie of Tioga, ND, are on their way to becoming the first identical twins to graduate together from the University of North Dakota (UND) School of Medicine and Health Sciences as members of the M.D. Class of 2005.

They may even, some day, practice together - time will tell - since they are leaning toward family medicine in rural western North Dakota ("more exciting," Kevin says), where the joys of hunting and fishing beckon.

Born and raised in Tioga, they are the youngest in a family of seven boys. They were encouraged in their educational pursuits by family, friends and their family doctor, Ramon Patel, M.D.

Although "pretty competitive in racquetball," they are not so in class, they say. "We pretty much get the same grades." As undergraduate students at UND, on one of their first tests in algebra, they earned the same score and made the same error.

Now in their third year of medical studies in Bismarck, they will take several rotations in various medical specialties which "may open up our minds to new things," Kevin says.

As members of the Turtle Mountain Band of Chippewau, they are enrolled through the school's INMED (Indians Into Medicine) Program.

Geiger Named to Head Pharmacology, Physiology and Therapeutics

Jonathan Geiger, Ph.D. '82 (Pharmacology and Physiology), has been named chair of the Department of Pharmacology, Physiology and Therapeutics at the UND School of Medicine and Health Sciences. Effective July 1, he replaces **Edward Carlson, Ph.D.**, professor and chair of anatomy and cell biology, who has been serving as interim chair.

In joining UND, Geiger leaves his post as director of the Division of Neurovirology and Neurodegenerative Disorders at St. Boniface Hospital Research Centre and professor of pharmacology and therapeutics at the University of



Geiger

physiological functions such as sleep, as well as neural cell life and death as occurs with acute and chronic neurodegenerative disorders.

Geiger completed his master's degree in 1975 and his doctoral degree in 1982,

Manitoba in Winnipeg where he has been on the faculty since 1984.

His research, which relates to chronic neurodegenerative disorders, revolves around energy stores in the brain and roles they play in regulating

both under **Surendar Parmar, Ph.D.**, Chester Fritz Distinguished Professor of Physiology, who has since retired.

Geiger has won numerous awards including the University of Manitoba's Presidential Outreach Award (twice); the University of Manitoba Research Merit Award; the Medical Research Council of Canada Scientist Award, and the Rh Institute Award for Outstanding Contributions to Research in Health Sciences.

A native of Syracuse, NY, Geiger is president and co-founder of the Centre for (the study of) Substance Use in Sport and Health, an award-winning organization devoted to helping people make informed decisions about substance use.

New Building Planned for Minot

The UND School of Medicine and Health Sciences plans to construct a new \$3.4 million building in Minot to house the school's family medicine residency program, Northwest Campus offices and the Center for Rural Health.

The proposed location is north of downtown in a residential area near the high school, only minutes from the city's medical center. The new site will allow for improved parking and better access for clinic patients.

The 22,600-square-foot building will be slightly smaller than the University Health Facility completed two years ago on the UND campus in Grand Forks. It will house about 50 employees, including 18 physicians, who currently work on the fourth and fifth floors of the former Midwest Federal Building in Minot.

The State Board of Higher Education has approved the plan; the North Dakota Senate Budget section has yet to review it.

The UND Foundation has agreed to secure funding for the land and the clinic, and lease the building to the medical school under a 15-year agreement. Clinic earnings, generated by physicians at the Minot Center for Family Medicine (the school's family medicine residency program), will be used to pay off the building loan.

Sticca Appointed Residency Program Director and Vice-Chairman of Surgery Department

Robert Sticca, M.D., has joined the UND School of Medicine and Health Sciences' Department of Surgery as director of the surgery residency program and vice-chairman of the department.

He also has been named director of surgical oncology and associate professor in the department. He serves as a liaison to the American College of Surgeons' Commission on Cancer and serves on the cancer committee of Altru Health System in Grand Forks, where he practices general surgery and surgical oncology.

His clinical research interests are in gastrointestinal cancers and melanoma; he previously served as a principal investigator in clinical research trials for vaccines in several types of cancers.

Sticca is responsible for the education and training of resident-physicians in the five-year, general surgery program conducted primarily at Altru hospital in Grand Forks and the Veterans Administration Medical Center in Fargo.

A native of Carlisle, PA, and raised in Massachusetts, he comes to UNDSMHS from the Greenville (SC) Hospital System where he was surgery residency program director and associate director of surgical education.

In military service, he was a captain in



Sticca

the U.S. Army Reserve Medical Corps and a major in the U.S. Air Force Medical Corps, serving in the Desert Storm conflict and receiving the Meritorious Service Medal.

Sticca earned a bachelor's degree in microbiology, magna cum laude, in 1979 from the University of New Hampshire where he was elected to membership in Phi Beta Kappa. He completed the doctor of medicine (M.D.) degree at the University of Connecticut in 1984 and went on for residency training in surgery at Boston University and a fellowship in surgical oncology at Roswell Park Cancer Institute in Buffalo, NY.

He has received numerous honors and scholarships during his education and career, and holds memberships in several professional organizations including the American Association for Cancer Research, the American Society of Clinical Oncology, and the Society of Surgical Oncology. He is a fellow of the American College of Surgeons.

Greek Appointed Director of Family Medicine Residency Program in Grand Forks

Greg Greek, M.D. '85, has been named director of the Grand Forks' Family Medicine Residency Program.

Greek, who has been serving for 11 years first as assistant and later as associate director of the program, replaces **Larry Halvorson, M.D. '76**, who after serving as director for six years, will step down to focus on patient care and teaching activities.

Greek was selected after a national

search, said **Elizabeth Burns, M.D.**, chair and professor of family medicine, Grand Forks. "His experience as associate director of the program, as well as his years of service to UND and the Grand Forks medical community were significant factors in his selection."

After earning the doctor of medicine degree at the UND School of Medicine in 1985, Greek took residency training in the program he now heads. He practiced for

several years in Crookston, MN, prior to accepting an appointment with the Grand Forks Family Practice Center in 1992.

Originally from Mohall, ND, Greek earned a bachelor's degree in medical technology and a master's degree in microbiology at UND prior to enrolling in the UND medical school.

The board-certified family physician has been a very active teacher for many years, as well as serving on numerous boards and committees dedicated to advancing the quality of medical education and patient care.

He is a past president and board member of the North Dakota Academy of Family Physicians.



Greek

Welcome back!
for Homecoming '03



Mark your calendar and plan now to attend:

Wednesday, Sept. 24:

6 p.m. **Sioux Awards Banquet**
Alerus Center
(6 p.m. social, 7 p.m. dinner,
9 p.m. reception)
Honoring Sioux Awards
recipients: Earl Strinden, '58;
Sara Garland, '68, and Jean
Haley Harper, '79, and Young
Alumni Award recipients:
Keith Becker, '92, '94; Karn
(Monge) Jilek, '89, and David
St. Peter, '89

Thursday, Sept. 25:

Noon **Dean's Luncheon for Medical
School Alumni**
School of Medicine and
Health Sciences
Panel of medical students
describe med school today!
1:30 p.m. **Tours of medical school**
3 p.m. **Groundbreaking: Neuroscience
Research Building**
School of Medicine and
Health Sciences

Friday, Sept. 26:

Noon **Kick-off and Sioux Booster
Luncheon**
Alerus Center
5-7 p.m. **Family Carnival**
Hyslop Multi-purpose Gym
Enjoy food, games and more
for the whole family!

Saturday, Sept. 27:

7 a.m. **5K/10K Run and Fun Walk**
Ralph Engelstad Arena
(7 a.m. registration, 8 a.m.
race begins)
9 a.m.-
noon **Ralph Engelstad Arena
Open House**
10:30 a.m. **Homecoming Parade**
University Avenue
11:30 a.m. **Pre-game party**
Alerus Center
1 p.m. **Football: UND vs. Augustana
College**
Alerus Center

For more information or to register, visit: www.undalumni.org - click on "Reunions/Events," then "Homecoming," or call the UND Alumni Association at 1-800-543-8764.

For more information on medical school events, please contact:
Office of the Dean, UND School of Medicine & Health Sciences
P.O. Box 9037, Grand Forks, ND 58202-9037
phone: 701/777-2514 e-mail: losannes@medicine.nodak.edu

Westereng Named Director of AT

Steve Westereng, B.S.A.T. '94, has been named director of the Division of Sports Medicine in the Department of Family Medicine, **Elizabeth Burns, M.D.**, chair and professor of the department, Grand Forks, has announced. His appointment was effective July 1.

Westereng replaces **Jim Rudd**, who has served as the division's director since 1989. Rudd will continue to teach and assist with the transition part-time through the 2003-04 academic year.

Westereng has served as assistant athletic trainer and instructor with the division since 1999. He earned a bachelor of science in athletic training (B.S.A.T.) in 1994 from UND and a master of arts in kinesiology in 1997 from the University of Minnesota.

His experience includes working as athletic trainer with Osseo (MN) High School, the University of Minnesota and the Philadelphia Eagles Football Club.

Awards Given by Students in Appreciation for Teaching and Support

Awards were presented to two teachers and a staff member recently by medical students at the University of North Dakota School of Medicine and Health Sciences.

Second-year medical students presented the Golden Apple Award for outstanding teaching to **Thomas Hill, Ph.D.**, professor of microbiology and immunology, Grand Forks. He was recognized for superior effort in his role as a facilitator in the patient-centered learning curriculum and delivering lectures on viral gastroenteritis, viral hepatitis, viral STDs (sexually transmitted diseases), and congenital and neonatal viral infections.

First-year medical students selected **Bryon Grove, Ph.D.**, assistant professor of



Hill

anatomy and cell biology, Grand Forks, to receive the Golden Apple Award. He was recognized for outstanding facilitation in the patient-centered learning curriculum and teaching about salivary glands, the



Grove



Studney

liver, kidney, gall bladder and male reproductive system. **Janelle Studney**, education program coordinator, Grand Forks, received the Portrait Award, given in recognition of outstanding support provided to the students during their first two years of medical education. She assists in the Introduction to Patient Care (IPC) curriculum. As part of the recognition, her portrait will be hung in the medical school.

Faculty Members Promoted

Promotions have been awarded to these UND School of Medicine and Health Sciences' faculty members:

To professor - **Larry Burd, Ph.D.**, pediatrics, Grand Forks, and **Richard Vari, Ph.D.**, pharmacology, physiology and toxicology, Grand Forks;

To associate professor - **David Abbott, M.D.**, and **David Carlson, M.D. '91**, neuroscience, both of Fargo, and **Linda Olson, Ed.D.**, community medicine, Grand Forks, and

To assistant professor - **Mark Romanick, Ph.D. (B.S.P.T. '78)**, physical therapy, Grand Forks.

Elizabeth Burns, M.D., M.A., professor and chair of family medicine, Grand Forks, has been granted tenure.

Holzman Named "Resident of the Year"

Gregory Holzman, M.D., M.P.H., associate professor of community medicine, Grand Forks, has been named "Resident of the Year" by the American College of Preventive Medicine (ACPM). The award was presented to Holzman by the president of the ACPM at the group's annual meeting in earlier this year at San Diego.

The award honors a resident member of the College for outstanding achievement in community service, scholarship, research, teaching and leadership. Evidence of a strong potential for future contributions to the field of preventive medicine is required.

Holzman, who is board-certified in family medicine, also completed residency training in preventive medicine in March 2002 at the University of Washington. He was eligible for the award up to a year later.



Holzman



Eric Cornatzer, grandson of **W.E. ("Gene") Cornatzer, M.D., Ph.D.**, **Chester Fritz Emeritus Professor of Biochemistry**, of Huntsville, AL, and the late **Margaret Cornatzer**, is gaining valuable experience working summers in the Department of Biochemistry and Molecular Biology at the UND School of Medicine and Health Sciences in Grand Forks. Last year he worked with **David Lambeth, Ph.D.**, **Chester Fritz Distinguished Professor**, and this year he is with **Brij Singh, Ph.D.**, assistant professor. The son of **Dona** and **William Cornatzer, M.D. (B.S. Med. '79)**, Bismarck, is a senior at UND, majoring in chemistry. He has decided to pursue a career in medicine.

ALUMNI

'80 Alumnus and Hettinger Native

Marion Heads Neurological Surgery at Boston University

Donald Marion, M.D. (B.S. Med. '80), originally from Hettinger, ND, is professor and chairman of the Department of Neurological Surgery at Boston University School of Medicine. He was appointed to this position Nov. 1. He also serves as neurosurgeon-in-chief at Boston Medical Center.

Prior to his appointment to Boston University medical school, he was professor and vice-chairman of the Department of Neurological Surgery at the University of Pittsburgh Medical Center, and director of both the Brain Trauma Research Center and the Center for Injury Research and Control at the University of Pittsburgh. In addition, he was professor of rehabilitation science and technology at the University of Pittsburgh Medical Center.

Marion is an international expert on the surgical and medical management of trauma to the head and spine. He founded the Brain Trauma Research Center in 1991 at the University of Pittsburgh after receiving a National Institutes of Health (NIH) Head Injury Center Award.

In 1998, he was appointed director of the Center for Injury Research and Control at the University of Pittsburgh and received a \$5 million grant from the Centers for Disease Control to support this effort.

His research interests have focused on the cellular, molecular and physiologic mechanisms responsible for secondary brain injury, and identifying new therapies that can limit those mechanisms. In 1997, he wrote a study that was published in the *New England Journal of Medicine* which showed that therapeutic hypothermia could improve outcomes following severe traumatic brain injury.

He has written a book on traumatic brain injury and nearly 200 peer-reviewed journal articles and book chapters. He serves on the editorial boards of the journals, *Neurosurgery*, *Journal of Neurotrauma*, and the *Journal of Trauma* and is an ad-hoc reviewer for the *New England Journal of Medicine* and *Lancet*, as well as the *Journal of Neurosurgery* and the *Journal of*



Donald Marion, M.D., (B.S. Med. '80), M.S.C., F.A.C.S.

Critical Care Medicine.

Marion has served as president of the National Association of Injury Control and Research Centers, and currently is chairman of the Joint Section on Neurotrauma and Critical Care of the American Association of the Neurological Surgeons and Congress of Neurological Surgeons.

Recent honors include listings in *Who's Who in America*, *Castle Connolly's Guide to America's Top Doctors*, and the *Consumer Research Council for America's Top Surgeons*. In addition, he was named the 2003 Charles Fager Lecturer at the Lahey Hitchcock Clinic in Lebanon, NH, and has served as visiting professor at a number of major institutions.

Marion graduated from St. John's University in Collegeville, MN, in 1975. He earned the bachelor of science in medicine (B.S. Med.) degree from the UND School of Medicine in 1980 and went on to complete the M.D. degree at the University of California-San Francisco in 1982.

Alumni Notes

'79

Richard Rohla, M.D. '79, has joined the family practice department at Dakota Clinic in Fargo. Prior to joining Dakota Clinic, he practiced with the Heartland Institute of Health in Fargo.

After completing the doctor of medicine (M.D.) degree at the UND School of Medicine and Health Sciences, he went on for residency training through the UND medical school's Family Medicine Residency Program in Grand Forks, completing that program in 1982.

He is a clinical assistant professor of family medicine at the UND School of Medicine and Health Sciences. Board-certified by the American Academy of Family Practice, he is a member of several professional organizations.

He lives in Fargo with his wife, Debra, and their three children.

Alumni Notes

(continued)

'86

Louise Murphy, M.D. '86, a family physician, has joined Mid Dakota Clinic in Bismarck. Board-certified in family medicine, she practices at the Gateway Mall Clinic.

'89

Allen Miranda, M.D. '89, and his wife, Lori, of Waunakee, WI, welcomed a daughter, Allison Elizabeth, to their family on April 25. She was born at Meriter Hospital in Madison, WI.

He practices anesthesiology and critical care medicine.

'96

Lena (Daghestani) Edwards, M.D. '96, practices internal medicine with the Central Kentucky Medical Group, a private group practice in Lexington, KY.

She completed internal medicine residency training at the University of Kentucky (UK) where she received several awards including the 1996 Intern of the Year, the Resident Research Award for 1996, '97 and '98, and induction into Alpha Omega Alpha (AOA), an honorary scholastic society in medicine.

She also wrote a book chapter on endocarditis and an article ("Renal Manifestations of Hepatitis C") which was published in the *Annals of Internal Medicine* and an article ("Post-traumatic Intracranial Aspergillosis") for the *Journal of Neurosurgery*.

As chief resident in her final year of her training program at UK, she taught medical students and residents-in-training, and was an attending physician on medical services and active participant in the resident recruiting and interviewing process.

As the only UND graduate the UK internal medicine program ever had, she "worked very hard to bring recognition to the UND medical school and to display the results of the excellent training I received there," she said.

Jon Norberg, M.D. '96, has joined the MeritCare Health System in Fargo.

He completed orthopedic surgery residency training at Summa Health Systems in Akron, OH, and a fellowship at the Western Pennsylvania Hand and Trauma Center/University of Pittsburgh Medical Center in Pittsburgh, PA.

'97

Mark Rodacker, M.D. '97, Ph.D. (Anatomy) '95, completed residency training in anatomic and clinical pathology at the Mayo Clinic in Rochester, MN, in 2001 and went on for a surgical pathology fellowship there from 2001 to 2002.

He is now a board-certified pathologist on staff for Anapath Diagnostics, Inc., associated with the United Medical Center in Cheyenne, WY.

At the UND School of Medicine and Health Sciences, he earned the doctoral degree in anatomy, under the mentorship of **John McCormack, Ph.D.**, associate professor of anatomy and cell biology, Grand Forks.

'After starting residency, I realized how well educated I was at UND and how well I was prepared for residency. I'm very grateful that I went to medical school there.'

Keri Hill, M.D. '00
Portland, OR

'99



Aaron Fortney, M.D. '99, an ophthalmologist, has joined the Dakota Eye Institute in Bismarck, his hometown. Returning with his family from Oklahoma City, OK, Fortney joined the Institute this month after completing residency training in ophthalmology at the University of Oklahoma in Oklahoma City.

He specializes in the evaluation and treatment of cataracts, glaucoma and diabetic eye disease. He will perform eyelid and pediatric eye surgery.

The Dakota Eye Institute has a growing patient load and a system of satellite clinics in Bismarck and the surrounding communities.

'00

Keri Hill, M.D. '00, recently finished internal medicine residency training at Oregon Health and Sciences University in Portland, OR, and started a fellow in gastrointestinal medicine July 1 there.

On a personal note, she writes that she and her husband, Frank Chavez, had their first child, Colton Robert Chavez, in January.

"I really enjoy getting THE REVIEW and catching up on my old stomping grounds and former classmates," she said. "After starting residency, I realized how well educated I was at UND and how well I was prepared for residency. I'm very grateful that I went to medical school there."

Jamey Jessen, M.D. '00, has completed family practice residency training through the Siouxland Medical Education Foundation in Sioux City, Iowa.

He is joining the Washakie Medical Center in Worland, WY, and will practice family medicine with obstetrics, including C-sections.

Carol Johnson, M.D. '00, has completed her residency training in family medicine at the University of Oklahoma in Tulsa and in joining the Regina Medical Group in Hastings, MN.

She writes she's "thrilled to get back 'home.'" Johnson resides in Hastings.

Do you have a news note you'd like to see included in an upcoming issue of THE REVIEW? Please drop us a line at: UND School of Medicine and Health Sciences, Office of Public Affairs, PO Box 9037, Grand Forks, ND 58202-9037. Or e-mail: spohlman@medicine.nodak.edu. Please include your daytime phone number.

Opportunities

This special feature offers information for physicians and other health care professionals interested in practice opportunities in North Dakota. For more information about these listings or loan repayment programs, please contact **Mary Amundson, M.A.**, call 701-777-4018 or e-mail at mamundson@medicine.nodak.edu

BELCOURT

Aberdeen (SD) Area Indian Health Service

Vina Bohling, Physician Recruiter
800-693-9185
vina.bohling@ihsabr.ihs.gov
Family practice (3) and anesthesiology (1)

BISMARCK

St. Alexius Medical Center

Annette Schilling, Recruiter
701-530-7172
aschilling@primecare.org
ER, psychiatry, neurosurgery

BOTTINEAU

St. Andrew's Health Center

Jodi Atkinson, CEO
701-228-2255
Jodi_Atkinson@standrewshealth.us
Family practice, certified nurse anesthetist

CANDO

Towner County Medical Center

Tim Tracy, administrator
701-968-4411
timt@tcmedcenter.com
Clinical laboratory scientist

CARRINGTON

Carrington/Foster County Medical Center

Mariann Doeling RN VPNS, Clinic Director
701-652-3141
marianndoeling@hotmail.com
Family practice with obstetrics, general surgeon, registered nurse, licensed practical nurse, physical therapist, CHA

COOPERSTOWN

Griggs County Hospital

Dan Swenson, Administrator
701-797-2221
cooperc@mlgc.com
Family practice

DICKINSON

Dickinson Clinic

Rod Mitzel, Clinic Administrator
701-225-5183
rmitzel@mohs.org
Internal medicine

FARGO

Family HealthCare Center

Shane Waslaski
Sherlyn Dahl, Executive Director
(701) 239-7171, ext. 16
swaslaski@famhealthcare.org
Internal medicine

Dakota Clinic Fargo

Dick Reis
Dakota Clinic, Ltd.
(701) 364-3300 or 1-800-882-7310
Dreis@dakcl.com
Urgent care, anesthesiology, ophthalmology, interventional cardiology, neurology, orthopedics, ER, medical oncology, rheumatology, urology, psychiatry, ICU/pulmonology, dermatology, interventional radiology

MeritCare Medical Group

Jill Gilleshammer, Physician and Midlevel Recruitment
701-234-2338
JillGilleshammer@meritcare.com
Anesthesia, cardiology, critical care intensivist, ENT, nephrology, PD nephrology, oral surgery, pain management, pain management anesthesiology, pathology, oncology-med, oncology radiology, radiology, dermatology, gastroenterology, PD-cardiology, adult psychology, reproductive endocrinology

GRAND FORKS

Altru Health System

Wayne Larson
701-780-6128
wlarson@altru.org
Anesthesiology, interventional cardiology, critical care, dermatology, diagnostic radiology, hospitalist, interventional radiology, medical oncology, orthopedic surgery, plastic surgery, rheumatology, urology

Altru Clinic - Lake Region

Joel Rotvold, Manager, Branch Operations
701-665-5227
jrotvold@altru.org
Family practice with obstetrics, licensed practical nurse

HAZEN

Hazen Family Clinic

Sheila Hildebrand, Clinic Coordinator
Phone 701-748-2256
shildebran@primecare.org
Family practice

HETTINGER

West River Regional Medical Center

Jim K. Long, Administrator
701-567-6183
jjml@wrhs.com
Family practice with obstetrics, general surgeon, licensed practical nurse

JAMESTOWN

Dakota Clinic Jamestown

Dick Reis
Dakota Clinic, Ltd.
(701) 364-3300 or 1-800-882-7310
Dreis@dakcl.com
Pediatrics

North Dakota State Hospital

Lyle Grove
701-253-3015
grovel@state.nd.us
Psychiatry

Opportunities

(continued)

KENMARE

Kenmare Community Hospital

Shawn Smothers, Administrator
701-385-4296
Shawn.Smothers@trinityhealth.org
Nurse practitioner or physician assistant

LANGDON

Cavalier County Memorial Hospital

Lawrence Blue, Administrator
701-256-6100
cmh@utma.com
Family practice

LINTON

Linton Medical Center

Dale Aman, Administrator
701-254-4531
linthosp@bektel.com
Clinical lab scientist

MAYVILLE

Mayville Meritcare Clinic

Mark Duncan, Administrator
701-786-2424
markduncan@meritcare.com
Family practice

MCVILLE

Community Hospital in Nelson County

Jim Updahl, Administrator
701-322-4328
jimopdahl@stellarnet.com
Family practice, internal medicine

MINOT

Trinity Medical Center

Shar Grigsby, Recruitment
800-862-0005
Shar.Grigsby@trinityhealth.org
Family practice, general surgery

OAKES

Oakes Community Hospital

Jill Skillings
(701) 742-3837 fax: (701) 742-3639
jillskillings@chi-midwest.org
Registered nurse, licensed practical nurse, certified nurse anesthetist

Southeast Medical Center

Terri Kelly, Manager
701-742-3267
terri@semed.com
Internal medicine

ROLLA

Presentation Medical Center

Kimber Wraalstad, CEO
701-477-3161
pmc@utma.com
Licensed practical nurse, registered nurse

Rolla Clinic

June Banse, Administrator
701-477-3111
rclinic@utma.com
Family practice, with obstetrics

RUGBY

Johnson Clinic, PC

Carol Schwan, Administrator
701-776-5235
cls@stellarnet.com
Family practice

STANLEY

Stanley Community Hospital

Mitch Leupp, Administrator
701-628-2442
mbhne@midstatetel.com
Family practice

TIOGA

Tioga Medical Center

Lowell Herfindahl, CEO
701-664-3305
lowell@nccray.net
Registered nurse

WAHPETON

Dakota Clinic

Dick Reis
(701) 364-3300 or 1-800-882-7310
Dreis@dakcl.com
Family practice with and without obstetrics

MeritCare Clinic

Jill Gilleshammer, Physician and Midlevel
Recruitment
701-234-2338
JillGilleshammer@meritcare.com
Family practice

WATFORD CITY

McKenzie County Memorial Hospital

Colette Anderson, CEO
701-842-3000
clinic@ruggedwest.com
Registered nurse, licensed practical nurse, clinical laboratory science, physical therapy

WILLISTON

Mercy Medical Center

Janice Arnson, V.P., Support Services
701-774-7400
janicearnson@chi-midwest.org
Internal medicine, pediatrics, obstetrics, registered nurse, occupational therapy

Craven Hagen Clinic

Janice Arnson, V.P., Support Services
701-774-4788
janicearnson@chi-midwest.org
Anesthesiology, general surgery, psychiatry, non-invasive cardiology, orthopedic surgeon, and obstetrics/gynecology

WISHEK

Wishek Community Hospital and Clinics

C. Gary Kopp, Administrator
701-452-2326
wchcbek@bektel.com
Family practice or internal medicine, registered nurse, radiology technician

Med Students Receive Awards for Outstanding Performance

The University of North Dakota School of Medicine and Health Sciences presented awards recently to second-year medical students for outstanding academic achievement.

Jeffrey Anderson and **Jordan Coauette** received the McGraw Hill/Appleton & Lange Book Award, given to selected medical students by McGraw Hill/Appleton & Lange, Inc.;

Reed Farris received the Kevin Monk Award, given for outstanding service to the UND School of Medicine and Health Sciences;

Joshua Gebur received the Group Leadership and Professionalism Award, sponsored by the North Dakota Medical Association; the award is given for facilitating group interaction and productivity, motivating others to learn, and exhibiting personal integrity;

Jennifer Hockenberry received the Altru Clinic Award, presented by the Department of Biochemistry and Molecular Biology, in honor of **Reinhold Goehl, Sr., M.D. (B.S. Med. '27)**;

Alyssa Hoverson received the Dr. James Kelleher Award for overall excellence in examinations and in the learning group; the award is given by the Department of Microbiology and Immunology in honor of Kelleher's outstanding service to the medical school and his dedication and contributions to teaching medical students;

Katie Hunt received the DeBoer Memorial Award, given in memory of Mrs. Benjamin DeBoer by the Department of Pharmacology, Physiology and Therapeutics;

Jason Logan was given the Integrative Reasoning and Patient Application award by the faculty for his ability to analyze problems, generate and test hypotheses, formulate alternative hypotheses, draw appropriate conclusions and apply the knowledge to patient cases;

Jon Machayya received the Dr. Stanley J. Brumleve Award, presented by the Department of Pharmacology, Physiology and Therapeutics;

Krista Olsen received the Peer

Teaching award for outstanding contributions to the group's data base and facilitating group learning, skillful and accurate presentations, and willingness to assist fellow students in the learning process;

Jessica Ruhland received the Dr. Philip H. Woutat Memorial Scholarship Award from the Department of Anatomy and Cell Biology, in honor of Dr. Woutat's long-time service as a radiology instructor, and

Melissa Samuelson received the Dr. Arthur Saiki Award, presented by the Department of Pathology in recognition of Dr. Saiki's outstanding contributions to teaching and service to the School of Medicine and Health Sciences.

These students, who have spent their first two years on the UND medical school campus in Grand Forks, will now go on for further education in hospitals and clinics at Grand Forks, Fargo or Bismarck where practicing physicians serve as faculty members for the UND School of Medicine and Health Sciences.

Long-time Employee Donates Handmade Quilt for Display at Med School

*Pictured at right is **Shirley Foster**, a medical technologist in the Department of Microbiology and Immunology at the UND School of Medicine and Health Sciences, Grand Forks, with her creation, a Star of Bethlehem quilt, which has been installed in a curved, glass-covered frame at the school's Clinical Education Center on the UND campus in Grand Forks. A med school employee since 1970, Foster says this design is one of the most-beloved and oldest of all quilt patterns - dating back to the early 19th century. It was introduced to the Plains tribes by missionary wives. The pattern was selected by **H. David Wilson, M.D.**, medical school dean, who asked Foster to make the quilt. The fabrics, purchased by the school, complement the colors of the center's interior. Foster says she has lost count of the number of quilts she's made since she started quilting in 1988; she contributed her time to this project.*



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