

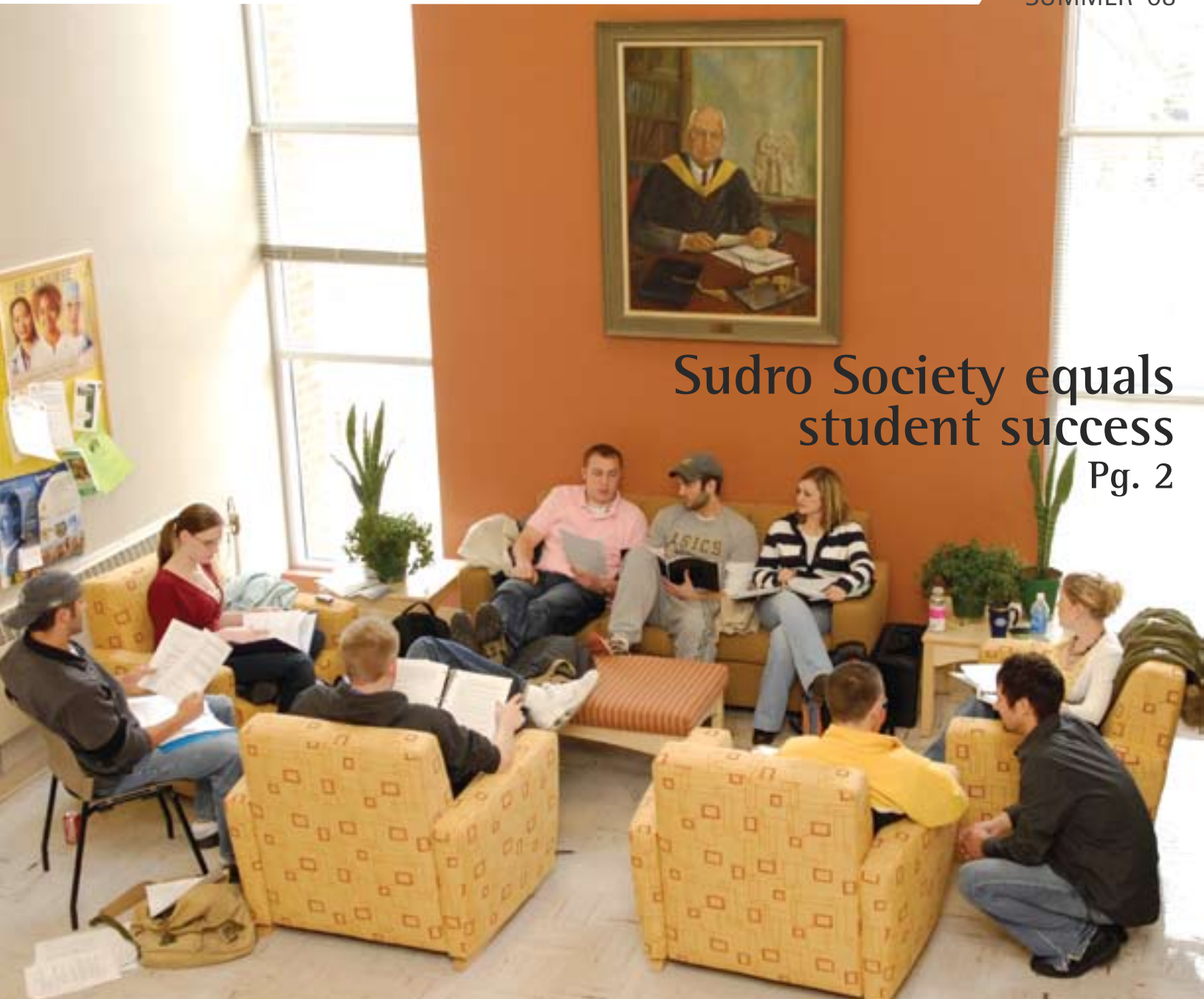
NORTH DAKOTA STATE UNIVERSITY

pharmacy

THE COLLEGE OF PHARMACY, NURSING, & ALLIED SCIENCES

alumni news

SUMMER '08



**Sudro Society equals
student success**
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reaching rural areas ⑤

diabetes management ⑧

student news ⑩

Preparing students to become competent, caring, ethical health professionals and citizens.

Sudro Society to play big role in pharmacy education

As a student ambassador, second-year pharmacy student Emily Olson has helped new students find their way around college and shared stories with 50-year alumni reunion attendees. She enjoys the opportunity to take a break from studying, to meet students from across the college, and to be a part of the growth of the school. "I think it's a support system," she said. "If I don't know something, I know somebody who knows."

In the Thrifty White Concept Lab, pharmacy students learn how to counsel patients on over-the-counter drugs, how to check blood pressure and cholesterol, give flu shots, make nursing home gel packs, make lotions and how to use the latest automated dispensing technology to fill prescriptions.

Sara Kay Hermans, a fourth-year pharmacy student, has attended the American Pharmacists Association-Academy of Student Pharmacists National Meeting for three years. While at the convention this year in San Diego, she was able to meet with students from across the country and interact with representatives from drug companies, community and chain drug stores and wholesalers. "It is a great networking and learning opportunity," she said.

Although seemingly unrelated, the student ambassadors program, concept lab and trip to the national pharmacy conference all have one important thing in common. They rely heavily on alumni giving.

In fact, only 30 percent of the college budget comes from the state. The rest must be generated by the college itself. For the past 10 years, the Dakota 100 Club has raised a sizable portion of that funding. However, the Dakota 100 Club is ending to make way for a new fundraising campaign – the Sudro Society. The goal of the society is to reach out to the college's 3,500 alumni to tell them the good news about what is happening on campus.

"It's a privilege to give back to an institution and pharmacy program that gave me so much," said Brad Trom, chair of the advancement subcommittee for the Pharmacy National Advisory Board. "Giving through the Sudro Society directly supports pharmacy students at NDSU. I know the investment continues a worthwhile effort."

The Sudro Society is the brainchild of the National Advisory Board, an 18-member group of alumni from all aspects of the pharmacy world.

"I can't tell you how much we utilize those gifts and rely on annual funding to support students, faculty, staff and advancement



Sudro Society funds help the college provide students the latest equipment and opportunities for learning.

efforts," said Charles Peterson, dean of the College of Pharmacy, Nursing, and Allied Sciences. "It's a tremendous benefit and asset to the college."

Funding from alumni giving supports many aspects of the college, including:

- 50 Year Reunion
- College Ambassador's Program
- Travel expenses for students to attend regional and national pharmacy conventions
- Support and upgrades for the Concept Pharmacy
- Classroom innovations and renovations
- Faculty and staff training
- Computer and software technology
- Visiting Scientist Research Lecture Series
- Career fair program
- Alumni publications

Perhaps most importantly, funding from the Sudro Society will give the college the flexibility it needs to jump on new opportunities for students as they arise. For instance, last year saw the start of the College Ambassador's Program. These students help with socials, reunions, orientation, alumni events, and prospective student recruitment. Significant start-up funds were needed for this new organization.

"It means a lot to each student," said Sara Tanke, director of advancement for the college. "There are many times they stop by and say, 'Thank you for creating this. This is so much fun.' They take a lot of pride in the work they are doing for the benefit of the college."

There are now 29 ambassadors in the group. Alumni funds provide for such things as meeting costs, uniforms for ambassadors and educational retreats in the fall and spring.

Other opportunities also arise from time to time. Currently, Peterson is considering a partnership with local firms in pharmaceuticals and health care to create a center for research in vaccines. It's a great opportunity for student learning and advancements in medicine, but what will prevent it from developing is lack of funding.

"These new ideas and new opportunities will not go anywhere without sufficient financial support," Peterson said. "Annual gifts provide us with the funding needed to get new initiatives started. Regardless of whether it's a dollar or one thousand dollars, it's a huge importance to us and makes a significant impact."

Membership to the Sudro Society starts at \$1,000 per year, which is a step up from the Dakota 100. But as the budget has grown, so has the need for funds. About 10 to 15 percent of the \$6.5 million budget for the college relies on external gifts. Fred Paavola, chair of the National Pharmacy Advisory Board of Alumni for the College of Pharmacy, said he's at the point in his life where he wants to give back.

"The College of Pharmacy provided the foundation for my career," he said. "They provided the education that enabled me to be a successful pharmacist. I was fortunate to have had that dream career. This is an exciting time for both the university and college with so many positive changes going on. It is a great opportunity to be involved and to support it financially and with my time."

Bill Grosz, founder of the Dakota 100 Club, agrees.

"It's not giving money – we're helping these young people get into society via a pharmacy education," he said. "The genuineness of the heart will spur people to help."

Those who decide not to give the full membership amount will still be recognized as friends of the Sudro Society.

Alumni should be on the lookout for more information on the Sudro Society soon. *Joel Hagen*



SUDRO SOCIETY X

Dakota 100 phasing out for Sudro Society

The Dakota 100 Club was the founding, annual giving program for the College of Pharmacy, Nursing, and Allied Sciences. Club founder Bill Grosz was the former executive director of the North Dakota Board of Pharmacy and former executive director of the North Dakota Pharmacists Association. He was the first North Dakotan on the Accreditation Council on Pharmacy Education and had the opportunity to observe many programs. This gave him a good look at how NDSU compared to others.

"We were grossly underfunded in state dollars," he said. "Our tuition and costs were the lowest in district 5 (which includes Minnesota, North Dakota, Iowa, South Dakota and Nebraska). We had to raise some funding."

Grosz started the club in 1998 when he put out a challenge to the North Dakota Pharmacists Association State Convention. He told them the future of the profession relied on pharmacy students from NDSU and asked the attendees to make ongoing contributions to the college.

"Pharmacy is the highest cost program at the university," he said. "The need was there."

Over its lifetime, the club has raised almost \$200,000 for the college. Gifts to the Dakota 100 Club will still be honored through June 30, 2009.

"I have the highest regard to all those pharmacists who responded," Grosz said. "Starting any new program – you crawl before you walk and walk before you run. I think we're in the running phase as we go into the Sudro Society."

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a message from the dean

We have missed a couple of issues of our newsletter, so it is good to be back on track. The college continues to march forward on a number of exciting fronts. Hopefully, this issue will fill you in on what's been happening lately. Sara Tanke joined our college as our new director of advancement in January 2008. Sara was previously employed as program director at the NDSU Alumni Association. She brings a wealth of experience and expertise in working with alumni. Sara already is actively engaged in developing new approaches toward advancement for our college which I am sure will be of great interest to our alums. Go, Sara!

In summer 2007, an outside consultant (Bernard Consulting, Group, Inc.(BCG), Kansas City, Mo.) was hired to assist the college in developing a new strategic plan. This document will be of importance to our college in laying out critical issues, strategic directives, goals and priorities, and specific action steps to help pave the way for our future. The document will address critical needs during the next 3-5 years including faculty, staff, space, program growth, accreditation standards, curriculum development, assessment, research, and many other areas. It also will explore opportunities for interdisciplinary education with pharmacy, nursing, and allied sciences students and faculty. We hope to finalize our plans soon.

The college invites you to send us your comments, ideas and suggestions as to what areas we should be focusing on and developing for our future plans and priorities that will best serve our students, the profession and our alumni. Contact me at Charles.Peterson@ndsu.edu with any comments or suggestions.

Financial resources will be of critical importance to help us realize our goals and priorities for the future as we begin further developing and implementing our strategic plan to include all the exciting new ideas that we want to be pursuing to keep NDSU students on the cutting edge nationally for pharmacy education. The college is in the process of launching a new annual giving program called "Sudro Society." The financial support received from this program will help us sustain our tradition of excellence and it also will allow us to pursue new areas in need of funding. We would greatly appreciate it if you would consider partnering with us by becoming a full Sudro Society member. Your support will have a great impact on our pharmacy students and will help us fulfill our dreams for the future.

I hope you enjoy our newsletter. If you have any comments, stories to share, or suggestions for future issues, please let us know. For more information about our college, its people and programs, visit our Web site at www.ndsu.edu/pharmacy.

Telepharmacy Project models cooperation and service

The North Dakota Telepharmacy Project is a model of rural pharmacy service delivery, job creation, innovation and cooperation among medical establishments and the proof is in the funding.

The project received \$813,535 in federal funding for fiscal year 2008 through the advocacy of North Dakota Sen. Byron Dorgan, a long-standing supporter of the program. The new funding will develop telepharmacy services in nine small hospitals across the state, most of which are critical access or those with 25 or fewer beds. Thirty-four of North Dakota's 46 hospitals are considered critical access facilities and 39 are considered "rural" (having 49 or fewer beds). The vast majority of the grant money goes into the communities as sub-awards to create, maintain or enhance services.

The project was established in 2002 to restore, retain and establish access to pharmacist and pharmacy services in medically underserved rural communities in North Dakota. It is well on its way to being a national model for delivering telepharmacy services to remote rural retail pharmacies and hospitals and making the state a national leader in delivery of pharmacy services to rural areas.

In early December, NDSU's telepharmacy was a featured program at the American Society of Health-Systems Pharmacists national convention in Las Vegas. In 2006 it received the Outstanding Rural Health Program Award. The award is presented to programs that deliver services in innovative ways, highlight coordination among providers or improve the quality of care to rural residents.

The aging of North Dakota's rural population has increased the health care needs, but everyone benefits from the telehealth movement. Praising the program, Charles Peterson, dean of the College of Pharmacy, Nursing, and Allied Sciences, said "Approximately 40,000 rural citizens have had pharmacy services restored, retained or established through telepharmacy services. The project has restored valuable access to health care in remote medically underserved areas of the state and has added approximately \$12.5 million annually in economic development to the local rural economy."

ND Telepharmacy by the numbers

- \$12.5 million economic development benefit to N.D.
- \$3.3 million grant funds received since 2002
- 40,000 rural citizens benefiting
- 67 participating pharmacies
- 33 medically underserved areas helped
- 50 new jobs created



North Dakota's collaborative Telepharmacy Project successfully uses video conferencing to bring high-quality pharmacy services to remote and underserved areas.

According to Peterson, who directs and is principal investigator for the project, current studies indicate 35 percent of rural hospitals have a pharmacist on site for less than 40 hours per week. Eight percent of hospitals have a pharmacist on site for two hours or less per week. One-third of rural hospitals with 0.5 full-time equivalent or less pharmacists share a pharmacist with another hospital.

"As a result, many rural hospitals have limited pharmacist coverage, which greatly impacts their ability to deliver even the most basic pharmacy services," said Peterson. "So, there is a critical need for telepharmacy services for remote rural critical access hospitals in North Dakota."

Telepharmacy coordinator Ann Rathke said the new funding will start or enhance telepharmacy programs in 10 sites, nine remote hospitals and one central order entry site in Fargo. Catholic Health Initiatives is the program partner for the order entry site. The sites use computers, video-conferencing technology and high-resolution cameras so the pharmacist can verify the correct medication and dosage is being dispensed to a patient. The video-conferencing system is encrypted for privacy and standard pharmacy software allows the pharmacist to check for allergies and drug interactions so patient safety is greatly enhanced. The project is a cooperative venture among many partners and that group effort is one of its great strengths. "It's important to share the lessons we've learned and the successes we've had," said Rathke, who consults regularly on the project and travels along with Dean Peterson and David Scott, associate professor of pharmacy practice, to present the project. Both Rathke and Scott are co-principal investigators. *Laurie Baker*

Distinguished alumnus credits ‘success connections’

Human beings encounter and respond to influences every day. A sale price might influence a purchase. The weather influences our dress. Teachers influence students. Parents influence their children. The way an older sibling behaves might influence a younger sibling. Mentors help us know how to excel. Gary Boehler, this year’s Distinguished Alumnus for the College of Pharmacy, Nursing, and Allied Sciences, says influences are what helped him achieve personal and professional success. He calls them his “success connections.”

Boehler grew up in Pick City, N.D. His father was a heavy construction worker, helping build the Garrison Dam on the Missouri River. While attending grade school, Boehler came across one of his first success connections.

“One of the greatest influences in my life was the teacher I had for grades one through four. Her name was Mayblume Jacobs,” Boehler said. “Any paper that I turned in that was done sloppily, she would tear it up and say ‘I know you can do better.’”

Once the dam was finished, Boehler’s family moved to Hazen, N.D. As a high school junior, he worked at the local grocery store when Jerry Chase, the local pharmacist, approached him and sparked his interest in pharmacy. Boehler began spending time at Chase’s pharmacy and soon decided that he would go to pharmacy school at NDSU.

Bill Grosz, another success connection who is known to NDSU as the “father of pharmacy in North Dakota,” helped Boehler get a good start. Grosz helped him get scholarships through the Rexall Scholarship program. “Bill was very instrumental in helping me through school,” he said.

Boehler’s adviser, Judy Ozburn, was another great influence he had while attending NDSU. He got straight As in high school without having to study, but he quickly learned that college was not that easy. “When I came to NDSU, I was working 30 hours a week, and during my freshman year I maybe partied a bit too much,” Boehler joked. “My grades weren’t anything that my high school transcript had indicated.” In the fall quarter of his sophomore year, Ozburn called Boehler into her office for what he says is the shortest meeting he has ever had. “She said ‘Boehler, study or get out,’ and that was the end of the meeting. I have never forgotten that,” Boehler remembered. “But once you were on her side, she would go to the end of the earth for you.”

During his last two years of college, Boehler worked at the pharmacy at St. Luke’s Hospital, which is now MeritCare Hospital. Here, he encountered two more success connections.

Fred Winters, who was the pharmacist in charge at St. Luke’s Hospital, taught Boehler about work ethic and attitude, while John Hovde, another pharmacist, was a disciplinarian who made sure he followed the rules. “Fred took me under his wing. John showed me the straight and narrow,” he said.



Gary Boehler was named the 2008 Distinguished Alumnus.

Boehler earned a bachelor’s degree from NDSU in 1970. Following graduation, he took his first job at May’s Drug in Dubuque, Iowa. Boehler worked as a pharmacist for 13 years before becoming a district manager of White Drug/Thrifty White Drug in North Dakota, Montana, South Dakota and western Minnesota. Today, Boehler is working in Maple Grove, Minn., as the executive vice president of pharmacy operations and health care services for Thrifty Drug Stores Inc. He serves on several boards, including the board of directors for Thrifty Drug Stores Inc. and the NDSU College of Pharmacy National Advisory Board.

Boehler says that he is deeply proud to be a graduate of NDSU. Of all the pharmacy schools he visits to recruit people for Thrifty Drug Stores Inc., NDSU is the best. “Ninety percent of the pharmacists who work for us are from NDSU,” says Boehler. “I think the students, their work ethic and the quality of the education are just that much better.”

Boehler and his wife, Claryce, live in Plymouth, Minn. They have two grown children and two grandchildren. *Sadie Anderson*

Distinguished alumni build thriving drug company

It started with the cocoa butter bars.

Hershey’s had discontinued making the bars, which can be used for treating scars and sunburns. Yet customers still were asking for them at Snyder’s Drug in Minneapolis, where Michael Jones was a pharmacist. Michael, BS ’69, and his wife Barbara (Crahan), BS ’70, also a pharmacist, started talking about it. Couldn’t they make the bars and sell them?

They set up a lab in their basement and secured all the necessary inspections and approvals. Their first product was the cocoa butter bars. Their second: suppository molds that could make a greater number of suppositories. “It was kind of a small cottage industry,” Michael says. “We started with one product, one customer, and the business grew by just filling the requests of our customers.”

Twenty-eight years later, that mom-and-pop business is still a mom-and-pop business. Except now it is Gallipot, a St. Paul-based company that sells 6,000 different products, employs 40 people and recently opened a second facility in Scottsdale, Ariz.

At the helm are Barbara, chief operating officer, and Michael, president.

The couple returned to NDSU on April 19, 2007, to receive the year’s Distinguished Alumni Award. They gave presentations to students, met with administrators and sat down to talk about their successful business.

“I think it is important that students are exposed to different career opportunities during their schooling,” said assistant professor Amy Werremeyer. “One never knows when an idea will click – something small that you never thought of before – and your whole life course can change from that single exposure.”

Gallipot manufactures a complete line of specialized topical creams, ointments, gels, lotions and syrups. One of their specialties is a patented oral suspending agent, which makes it easier to swallow certain medicines.

The company’s products can be found in a large percentage of the estimated 30 million compounded prescriptions filled annually.

The need for compounding has grown in the last few years. Compounded drugs are the solution for individuals – especially children and the elderly – who cannot swallow pills or tolerate certain products.

“All those old things that were old are now new,” Michael says. “They just came around again.”

“A lot of times a student thinks, ‘Why am I taking calculations when a product is already made?’” Barbara said. “Why learn to make a suppository?”

“We felt the same way,” Michael added. “But we used everything. All those instructors were right when they said, ‘You need to know this.’” *Tammy Swift*



2007 Distinguished Alumni Barbara and Michael Jones began a drug company in their basement. Gallipot now employs 40 people and makes 6,000 products.

Giving back

Besides their success as businesspeople, Barbara and Michael Jones have served their community, profession and alma mater.

- Their contributions helped build the compounding lab in NDSU’s Thrifty White Concept Pharmacy.
- Barbara is on the Development Foundation’s board of trustees.
- Michael is active in the International Academy of Compounding Pharmacists and has served in many professional leadership positions.
- Both have served on NDSU’s Pharmacy National Advisory Board and various university committees.
- Barbara has served as secretary-treasurer and president of the Minnesota Pharmacist Association as well as on several MPA and American Pharmacists Association committees.

NDSU helps launch certification program for disease state management of diabetes

Because patients generally see their pharmacist more than their health care provider, it is only logical that pharmacists be able to help patients with questions they have about managing a particular disease in addition to the preparation and dispensing of medications. Recently, North Dakota pharmacists have been empowered to assist patients with disease state management of diabetes.

In 2007, North Dakota legislators passed House Bill 1433, which allows pharmacists and other qualified health care providers to provide disease state management to North Dakota state employees who have diabetes. Tara Schmitz, assistant professor of pharmacy practice and director of pharmacy continuing education, says this bill enables pharmacists to make a difference in the condition of diabetes patients.

Disease state management is helping a patient control their disease. When someone has a disease such as diabetes, high cholesterol or asthma, disease state management involves looking at the patient's nutrition, diet, exercise, medications, lifestyle changes and risk factors. Each of these items is monitored and tested to determine how the disease is progressing or regressing.

Pharmacists from across the state have completed the Diabetes Care Certification Program, sponsored by the NDSU College of

Pharmacy, Nursing, and Allied Sciences. Certified pharmacists will help patients manage their diabetes when they come in to get a prescription. "We'll talk to them about fears they may have about diabetes and why they aren't under the control they want to be. We'll talk to them about their medications, how to safely take them and what their goals should be regarding their treatments," Schmitz said. "Hopefully, within a six to 12-month timeframe, we can prove that pharmacists can make a difference in helping patients manage their diseases.

With funding provided from Novo Nordisk, the North Dakota State Board of Pharmacy and the North Dakota Pharmacists Association, any pharmacist could participate in the certification program for free. So far, 174 pharmacists have been certified. Participants were required to undergo six weeks of home study, which entailed reading and testing on four different modules. Last spring, participants also were required to attend a live training session.

To be eligible to be a patient in the program, participants must be part of the North Dakota Public Employees Retirement System and be diagnosed with type one or type two diabetes.

"Providing we get the results we want, we hope that all of Blue Cross will offer the service and pay pharmacists for doing this type of service with all of their patients," Schmitz said. "Then, maybe other insurance payers will look at the results and see that it is worth paying pharmacists to sit down and help patients manage their diabetes."

In addition to Schmitz, Michael Schwab, executive vice president of the North Dakota Pharmacists Association; Howard Anderson, executive director of the North Dakota Board of Pharmacy; Charles Peterson, dean of the College of Pharmacy, Nursing, and Allied Sciences; Dave Olig, president of the North Dakota Pharmacy Service Corporation; and Jayme Steig, founder of Frontier Health Mart Pharmacy were all instrumental in getting this program initiated and carried out.

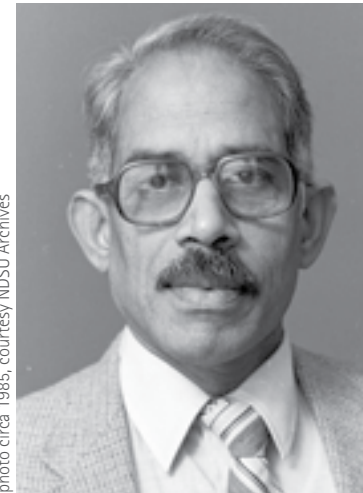
"We are active with the state association and the Board of Pharmacy to meet the needs of the people of North Dakota. This Diabetes Disease State Management Program is just the tip of the iceberg," Schmitz said. *Sadie Anderson*



Pharmacists across North Dakota are increasingly providing specialized care for patients with diabetes.

where are they now?

N.G. Rao recounts a 30-year career on campus



Rao

From his home in New Mexico, N.G. Rao chuckles over the phone as he describes leaving his native India to come to NDSU in 1962 to pursue his doctorate.

"When I came to this country, I thought I would live here for one-and-a-half to two years, and then go back," he says. "Well, I never left this country. I did not plan it, but it turned out so good."

Rao earned his doctorate and joined NDSU's faculty in 1966. He received tenure in 1972, and then was the state toxicologist and chair of the Department of Toxicology from 1973 to 1993.

He left the NDSU campus in 1993 to relocate the toxicology laboratory to Bismarck. During that process, all the trained staff left the lab except for one chemist and himself. Rao said he recruited a couple of chemists, trained them in routine operations and left Bismarck in January 1994 to become the chief of New Mexico's Toxicology Bureau, a position he held until retirement in 2000. After serving as a consultant for two years, Rao now enjoys "a life of leisure" in Albuquerque.

"I do travel quite a bit," he says of his current activities in retirement. "I spend about three to four months each year in India. I have children in Minneapolis and Orlando, so in summer I go to Minnesota and in winter I go to Florida.

"I never picked up any hobbies. For me, it was not an 8 a.m. to 5 p.m. job. My work was my hobby."

Remembering back to his years in North Dakota, Rao compliments the many states attorneys, police officers, Sheriff's Department officials and Highway Patrol troopers he met through his duties as the state toxicologist and as he trained them as breath alcohol test operators.

"Each one was exceptionally nice to me. The College of Pharmacy treated me exceptionally well," Rao says. "I enjoyed my stay in Fargo, and being a smaller state, you get to know the people. I liked traveling around North Dakota."

When asked about the highlights of his more than 30 years on campus as a student, faculty member and state toxicologist, Rao pauses.

After some thought, Rao relates the story of when the legislature decided to move the toxicology lab in 1993 from NDSU to Bismarck. "I told my staff that they were free to apply for other jobs, if they wanted," he says. "One person did not apply."

That person was Janet Stringer, who is still employed at NDSU as the business manager for Information Technology Services. Today, 15 years later, Rao remembers her strong loyalty to the lab and himself.

Stringer informed Rao that she would work until the move was completed, take a month vacation and then find another job. "She told me, 'If I leave, you will not have any help and nobody will be interested in a temporary job,'" he says. "That speaks well of her."

N.G. Rao

"I enjoyed my stay in Fargo, and being a smaller state, you get to know the people. I liked traveling around North Dakota."

A few other memories also surface. Rao laughs as he remembers attending his first American football game as a new student at NDSU. Accustomed to soccer, he found the sport difficult to comprehend. "I saw about 20 people falling on one fellow with the ball. I found it all somewhat odd. In 1962, the Bison lost every game that is possible," he says. "Over time, they became an excellent team."

Rao also says he knew when he should depart from NDSU. He explains how he used to teach a class for pharmacy students, and how he assisted in a lab early in his career.

"Some years later, I noticed that some of the children (of past NDSU students) started coming back. I could recognize them by their features," Rao says. "I thought it was time to leave."

Rao and his wife, Devi, live in Albuquerque, N.M. Their son, Sinu, lives in Orlando, Fla., while daughter, Swati, and son, Ranga, live in Minneapolis. *Steve Bergeson*

Mallik lands \$1.46 million grant for cancer research

Sanku Mallik, associate professor of pharmaceutical sciences, received a five-year, \$1.46 million standard RO1 grant from the National Cancer Institute of the National Institutes of Health. The grant allows Mallik and co-investigator D.K. Srivastava, professor of biochemistry and molecular biology, to research ways to detect low concentrations of certain enzymes that indicate the early stages of cancer.

An RO1 grant is the National Institutes of Health's most competitive grant with about a 10 percent success rate for applicants.

"Dr. Mallik's research program has impacted the mission of NDSU in many positive ways," said Jagdish Singh, chair of pharmaceutical sciences. "Dr. Mallik has maintained a sustained record of publication and continuous extramural funding that have contributed significantly to increasing the strength of the Department of Pharmaceutical Sciences' research mission."

The new grant continues Mallik's work in cancer research. He has two other running projects with Srivastava. The first is researching ways to inhibit matrix metalloproteinases, which are enzymes that help to metastasize, or spread, cancer cells.

"If the cancer is localized, it's likely treatable," he said. "It's only when it spreads all over that it causes havoc."

They are trying to inhibit these enzymes with newly created molecules that are less toxic than current methods. So far the molecules they have created have been potent – particularly on pancreatic cancer cells.

Serendipitously, some of the molecules they created are useful in inhibiting enzymes that cause hypertension. One day Mallik was

asked by Chengwen Sun, assistant professor of pharmaceutical sciences, if he had any molecules that could be tested for anti-hypertensive properties.

"We have a whole stack of molecules that are good for nothing. Let's start with those," Mallik said. "They turned out to be so potent that we are pretty excited now."

In a third project with Srivastava, Mallik is developing a delivery system for the enzyme inhibiting molecules – one that doesn't harm non-cancerous cells. To do this, they are packaging the molecules into small, lipid-based nanoparticles designed to release the molecules at the cancer site.

"It's like how you open a champagne bottle," Mallik said. "You take the cork off and everything oozes out. We are trying to blow off the corks in the vicinity of the cancer cells."

This project began last year under a three-year, \$400,000 grant from the National Science Foundation.

Mallik isn't sure exactly what drives him toward cancer research, but he is passionate.

"I have seen a lot of cancer survivors," he said. "That inspires me to do something about it."



Mallik

Minn., in 1976. He was a member of the Campbell-Williams Legion Post and Clinton Commercial Club. He is survived by his wife and three children.

Kay (Heinzen) Ackerman, 44, BS '85, died May 22, 2007, in Glendale, Ariz. She worked for Super X, Cigna and Sanofi Aventis. She is survived by her husband and three children.

Rodney Anderson, 71, BS '58, died Oct. 14, 2007. He worked as a pharmacist in North Dakota and various places in Oregon. He most recently worked at a

Safeway pharmacy and lived in Springfield, Ore. He is survived by his wife and four children.

Gerald "Jerry" Arth, 68, BS '60, died Feb. 24, 2007, in Fargo. He served in the U.S. Air Force National Guard for nine years and was an expert sharpshooter for the Air Force rifle team. He worked as a pharmacist in various towns including St. Cloud, Minn., International Falls, Minn., Aberdeen, S.D., and Wahpeton-Breckenridge. He was an avid photographer and reader. He enjoyed hunting and made his own gunstocks. He is survived by his daughter.

Earl Beckman, 62, BS '67, died June 24, 2007, in Jamestown, N.D. He was a pharmacist at White Drug Enterprises in Dickinson, N.D., and Jamestown and later at Walz Pharmacy, Jamestown. He was a charter member of the Buffalo City Lions Club. He served as president of the North Dakota Pharmacists Association, 7th District. He is survived by his wife and two daughters.

JoAnne (Pfeiffer) Hojem, 77, BS '54, died Aug. 7, 2007, in Pine River, Minn. She was a member of Phi Mu sorority while at NDSU. She worked for many years in her father's store, Pfeiffer Drug, in Pine River. She is survived by her two children.

Olaf Iverson, 94, BS '42, died Sept. 11, 2007, in Bemidji, Minn. He served as a pharmacist in the U.S. Navy during World War II. He purchased half interest in the Gardner Drug Store of Cass Lake in 1946 and later became sole owner of Iver's Rexall Drug, which he operated for 30 years. He lived in the Cass Lake area until moving to assisted living in Bemidji in 2004. He was a charter member of the Cass Lake Lions Club, a member of the Cass Lake Chamber of Commerce and a 50-plus-year member of the American Legion. He is survived by his wife and three children.

Arthur Kautzmann, 73, BS '56, died April 15, 2007, in Billings, Mont. He was the owner of the Bonanza Health Foods Store in Billings for the past 31 years. Prior to purchasing the health foods store, he worked as a pharmacist for 20 years. He loved watching his children and grandchildren participate in sports and school activities. He was an ardent sports fan and could often be found in the stands for Billings Mustangs games. He retired in 1991.

George Kihne, BS '95, died April 9, 2007. He lived in Seattle.

Forrest Loeffler, 62, BS '69, died Sept. 7, 2007, in Aurora, Minn. He was a pharmacist in Hazen, N.D.; Sioux City, Iowa; Yankton, S.D.; and Appleton, Minn. In 1980, he and his family moved to Aurora and bought Aurora Drug, which he operated and worked in as a pharmacist. He was a member of the Aurora Chamber, Aurora Lions Club and the Minnesota

Pharmacists Association. He was an avid NASCAR fan. He is survived by his wife and two children.

Ken Nieman, 66, BS '67, died June 20, 2007, in Winnipeg, Canada. He joined his family in founding Nieman's Pharmacy in Winnipeg. He was an avid sports enthusiast and played football at NDSU. He served as president of the Corydon Avenue Business Association, on the board of Sir John Franklin Community Centre and as president of the Sunset Beach Cottage Association. He coached youth football and hockey as well as high school basketball. He is survived by his wife and three children.

Alan Peterson, 61, BS '70, died Sept. 22, 2007, in Chicago. He was a long-time resident of Wheaton, Ill. He worked as a pharmacist with Walgreens for 34 years before retiring in 2004. He enjoyed tinkering with home improvement projects and traveling. He is survived by his wife and two sons.

Robert Rose, 84, BS '48, died Oct. 20, 2007, in Morris, Minn. After graduation, he worked for Countryman Drug in Fergus Falls, Minn. In 1951, he moved to Raymond, Minn., where he owned and operated Bob's Rexall Drug until selling the business in 1958 and moving to Morris. He managed the Morris Boston Rexall Drug Store and was a pharmacist and hospital administrator at Stevens County Memorial Hospital in Morris. He served as president for the Morris Senior Citizen Center and was a member of the American Legion, VFW and AmVets. He is survived by four children and three step-children.

John Sorenson, 83, BS '52, died July 3, 2007, in Bemidji, Minn. He spent two years as a surgical technician in the U.S. Army during World War II. He traveled with Walgreen Agency for five years before operating his own store in Kalispell, Mont. He became involved in volunteer work with the Parent Teacher Association and the Boy Scouts of America. He played in the Kalispell City Band for 20 years. He moved to Duluth, Minn., to work for an independent drug store and ended his career working in a clinic in Two Harbors, Minn. He retired to Bemidji and continued volunteer work. He enjoyed hunting,

fishing, dancing and traveling. He is survived by his wife and three sons.

David Stousland, 56, BS '74, died Dec. 28, 2007, in Jacksonville, N.D. He worked as a pharmacist in North Dakota before moving to Soldotna, Alaska, in 1976. He moved to Jacksonville in 1996 and continued his career in pharmacy. He is survived by his wife and three children.

Laurel Stoxin, 71, BS '57, was a pharmacist for 47 years. He owned Corner Drug in Rugby, N.D., from 1969 to 1985, and was president of the Rugby Jaycees, the Chamber of Commerce and the Rugby Country Club. He lived in Stafford, Ariz., at the time of his death. He is survived by his wife and six sons.

Theo Tiegen, BS '48, died April 5, 2007. He lived in Depoe Bay, Ore.

Paul Tuchscher, 61, BS '68, died May 22, 2007, in Glendale, Ariz. He was a pharmacist at Service Drug in Williston, N.D. for 17 years before purchasing Forman Drug, Forman, N.D. In 1998, he moved to Glendale and continued his career at Walgreens. He is survived by his wife, three children and two step-children.



Dale E. Wurster, 88, was dean of the NDSU College of Pharmacy from 1971 to 1972. He was born in Sparta, Wis. He earned his bachelor's degree and doctorate at

the University of Wisconsin. A U.S. Navy veteran, he began as an instructor at the University of Wisconsin in 1947 and left as a professor in 1971 to assume his duties at NDSU. Wurster resigned in December 1972 to become dean of pharmacy at the University of Iowa, Iowa City. Wurster gained international recognition for his work in the areas of dissolution kinetics, absorption and air suspension technology. He is most recognized for his development of the Wurster Air-Suspension Coating Technique, a process of tablet coating that is used around the world in the manufacture of medications. Wurster retired in 1986, and lived in Iowa City.

obituaries

William Abbott, 68, BS '61, died Dec. 27, 2007, in Graceville, Minn. He worked in Maddock, N.D., for a year and then moved to Grand Forks, N.D. and worked at the Grand Forks Clinic Pharmacy until he was drafted into the Army in 1963. He was stationed at Fort Bragg, N.D., for two years of service. He later worked for E.R. Squibb and Sons as a pharmaceutical sales rep and at Vold Drug in Grand Forks before purchasing Arrow Drug in Clinton,

Sylvester presents research at national conferences

Robert Sylvester, associate professor of pharmacy practice, has presented research regarding hospice patients and methadone administration at three national conferences in 2007. His areas of expertise are pharmacotherapy of cancer patients and palliative care.

On April 23, Sylvester presented a peer-reviewed abstract at the American College of Clinical Pharmacy Spring Practice and Research Forum in Memphis, Tenn. He was the lead author of the abstract, titled "An Evaluation of the Bioavailability of Methadone Administered Transdermally in Hospice Patients."

Dr. Preston Steen from the Roger Maris Cancer Center, Dr. John Thomas and Caroline Schauer, registered nurse, both from the Hospice of the Red River Valley and Alan Weisenberger, an NDSU doctoral student, worked together to conduct research and create the abstract. The results supported their conclusion that at the doses administered, methadone, applied topically, does not result in plasma levels associated with pain relief.

Sylvester also gave a presentation at the American Association of Colleges of Pharmacy annual meeting July 15-18. Titled "Student Assessment of a Hospice Advanced Practice Experience," the presentation described rotation assessments and reflective journal comments NDSU students provided after completion of the elective advanced practice experience at the Hospice of the Red River Valley.

Participating students discovered a growing need for pharmacists to provide care to hospice patients. Sylvester said hospices have the potential to provide rich, interdisciplinary learning environments for pharmacy students interested in developing knowledge and skills to optimize the pharmacotherapy of patients receiving end-of-life care.

At the Scientific Symposium of National Hospice and Palliative Care Organization's eighth Clinical Team Conference on Nov. 30, Sylvester gave a presentation titled "Placebo or Extra-Strength Placebo: An Evaluation of Methadone Applied Topically to Hospice Patients." Covering the administration of methadone and other medications used in palliative care, Sylvester reported findings from a clinical trial, which evaluated the absorption of a methadone administered topically as a PLO gel. The study data will be submitted for publication in a peer-reviewed journal. In addition, the data supported the development of dose-ranging study to evaluate the feasibility of achieving effective methadone plasma levels after transdermal administration.



Sylvester

Frenzel named Young Pharmacist of the Year

Jeanne Frenzel, assistant professor of pharmacy practice, was honored at the North Dakota Pharmacists Association annual convention held April 26. She received the Pharmacist Mutual Young Pharmacist of the Year award. The award is given to recognize and promote the active involvement in the profession by pharmacists who have graduated in the past 10 years.

Frenzel earned a bachelor's degree in microbiology with an emphasis in biotechnology and her doctor of pharmacy degree from NDSU. She completed a pharmacy practice residency at the Veterans Affairs Medical Center in Fargo and joined the pharmacy faculty at NDSU in 2004.

She is the coordinator and instructor of a three-year sequence of pharmaceutical care laboratories in the Thrifty White Concept Pharmacy, a realistic and fully licensed pharmacy that serves to train pharmacy students. She also teaches in the pharmaceutical care lecture series.

Frenzel is faculty adviser to the Rho Chi Society and author of two book chapters in "Essentials of Cultural Competence in Pharmacy Practice," which was published by the American Pharmacists Association. At this year's American Association of Colleges of Pharmacy annual meeting in Chicago, she will present a poster titled "Assessment of First-Year Pharmacy Student Compounded Sterile Product Preparations."

Frenzel's current practice includes pharmacist responsibilities at MeritCare Hospital's South University Pharmacy.



Frenzel

Associate dean publishes pharmacy book

Kimberly Vess Halbur, associate dean for student affairs in the College of Pharmacy, Nursing, and Allied Sciences, is the author of "Essentials of Cultural Competence in Pharmacy Practice." The American Pharmacists Association published the book that Halbur co-wrote with her husband, Duane Halbur, associate professor of counseling and student affairs at Minnesota State University Moorhead.

According to the American Pharmacists Association, this is the first textbook of its kind for pharmacists. The text is designed to help pharmacists and student pharmacists improve their cultural competence and excel in today's multicultural world. The association says the book lays the foundation for cultural competence by illuminating communication styles, familial structure, spiritual beliefs and genetic, biochemical, and physiological traits of particular ethnic or sociological groups.

Medical News Today identified the most striking features of the book as legal, ethical and professional rationale for becoming culturally competent. The editors wrote that the book provides tools to assess one's own level of cultural competence, an impact

of generalizations and stereotypes, cultural practices of many ethnic groups in the United States, unique challenges and family dynamics of biracial and multiracial patients, pharmaceutical care for patients with low health literacy, effects of religion and spirituality on health, health issues for lesbian, gay, bisexual and transgender persons and models for overcoming barriers to cross cultural communication.

Several faculty members from the College of Pharmacy, Nursing, and Allied Sciences contributed chapters to the text, including Amy Drummond, Wendy Brown, Cynthia Naughton, David Scott, Norma Kiser-Larson, Jeanne Frenzel and Amy Werremeyer. Faculty members from the Counselor Education program in the College of Human Development and Education who contributed chapters to the text include Brenda Hall, Jill Nelson and Kristina Peterson.



Halbur

Naughton named associate dean

Cynthia Naughton has been named associate dean for academic affairs and assessment in the College of Pharmacy, Nursing, and Allied Sciences. Naughton has been a full-time clinical faculty member in the Department of Pharmacy Practice at NDSU since 2000, and began her new duties on June 16.

"This is a critical position for our college and Dr. Naughton has a proven track record of success related to curriculum development and assessment," said Charles Peterson, dean of pharmacy, nursing, and allied sciences. "I am excited to have her join our administrative leadership team."

The new associate dean is responsible for providing administrative oversight for all matters related to academic affairs and assessment including ensuring compliance with all curriculum and assessment accreditation standards.

Naughton earned a bachelor's degree, master's degree and doctorate from NDSU. She is a board certified pharmacotherapy specialist with extensive clinical practice experience in a variety of health care settings including academia, large hospital, small hospital, clinic and retail.

She has didactic and clinical teaching experiences and has served on the pharmacy program curriculum committee since

2002. As chair of the curriculum committee since 2005, Naughton has helped the college transform its pharmacy program curriculum to meet the new 2007 Accreditation Council for Pharmacy Education standards including working with faculty to define and incorporate a comprehensive curriculum re-evaluation, ability-based outcomes, introductory practice experiences, curriculum mapping and faculty training.

Naughton also has served on the college's academic affairs committee, assessment committee, strategic planning coordination committee, admissions committee and department chair evaluation committee. Her honors and awards include the 2004 and 2006 College of Pharmacy, Nursing, and Allied Sciences' Preceptor of the Year award (pharmacy program), the 2001 American Society of Health-System Pharmacists' Best Practice in Health System Pharmacy Management Award and the 1998 North Dakota Health System Pharmacist of the Year Award.



Naughton

Pharmacy welcomes four new faculty members

Christian Albano, Rebecca Focken, Benedict (Shek Hang) Law and Chengwen Sun have joined the pharmacy faculty at NDSU.

Albano is an assistant professor of pharmacy practice and his duties include teaching in health economics, pharmacy management, pharmaceutical care, public health and pathophysiology. He also will participate as a researcher in the state telepharmacy project and conduct research for the North Dakota Institute for Pharmaceutical Care. His research interests include the economic and public health impact of healthcare products and services. Albano earned a bachelor's degree from the University of Illinois, Chicago. From NDSU, he earned a master's of business administration, master's of education and doctorate in pharmaceutical sciences. He previously worked as a medical writer.



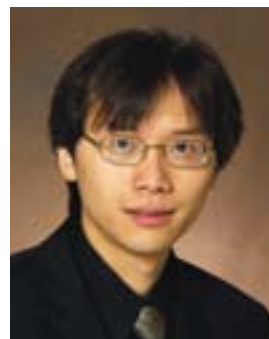
Albano

Focken is an assistant professor of pharmacy practice and the coordinator of Introductory Pharmacy Practice Experience. She previously was an assistant professor of pharmacy practice at the St. Louis College of Pharmacy. Focken earned a bachelor's degree in biology at Bemidji State University, Bemidji, Minn. She earned a bachelor's degree and a doctor of pharmacy from NDSU. She completed an American Society of Health-System Professionals accredited pharmaceutical care residency with an emphasis in rural health through the University of Minnesota.



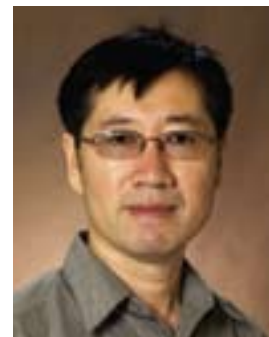
Focken

Law is an assistant professor of pharmaceutical sciences and his duties include teaching and establishing an active research program in pharmaceutical biotechnology. His research interests include optimization of mitochondria disrupting peptide derivatives as potential anti-cancer agents and development of nano-material for delivery of therapeutic and imaging agents. Law earned a bachelor's degree from Portsmouth University, Portsmouth, United Kingdom, and doctorate from the University of Manchester, Manchester, United Kingdom. He completed a postdoctoral fellowship at the Center for Molecular Imaging Research at Harvard Medical School and Massachusetts General Hospital.



Law

Sun is an assistant professor of pharmaceutical sciences. He has studied hypertension in cardiovascular, renal and neural systems at the vivo, in vitro, cellular and molecular levels. His current research is focused on central blood pressure regulation and pathogenesis of hypertension to identify targets for the treatment of hypertension and other cardiovascular diseases. Based on the molecular structures of the target proteins, he will develop pharmaceutical tools for the clinical use in these diseases. Sun earned a medical degree and doctorate from Norman Bethune University, China. He did postdoctoral training at the Medical College of Wisconsin. He previously worked as a research assistant professor at the University of Florida, Gainesville.



Sun

Pharmacy faculty receive awards

The College of Pharmacy, Nursing, and Allied Sciences recently presented awards honoring faculty for outstanding performance during the 2007-08 academic year. This year's recipients received recognition at the pharmacy graduation hooding ceremony on May 9, at Reineke Festival Concert Hall.

Tara Schmitz, assistant professor of pharmacy practice and clinical pharmacist practicing in Oakes, N.D., received the 2008 Faculty Preceptor of the Year Award. Students in the fourth professional year of the program choose the winner, who provides outstanding performance and commitment in instruction of pharmacy students on clinical rotations by a full-time faculty member.

Sanku Mallik, associate professor of pharmaceutical sciences, received the 2008 Pharmacy Program Teacher of the Year Award. The award is chosen by students and goes to a faculty member for their outstanding performance and commitment to teaching.

Nathan Schlecht, a community pharmacist and owner of Forman Drug in Forman, N.D., received the 2008 Adjunct Preceptor of the Year Award. Graduating seniors choose an Adjunct Preceptor of the Year, who represents outstanding performance and commitment in instruction of pharmacy students on clinical rotations by a practicing pharmacist who volunteers their time to provide clinical instruction of pharmacy students.

Mallik and Srivastava receive grant from the National Science Foundation

Sanku Mallik, associate professor of pharmaceutical sciences, and D. K. Srivastava, professor of chemistry, biochemistry and molecular biology, received a \$390,000 grant from the National Science Foundation.

Mallik and Srivastava will use the three-year award from the Division of Materials Research for developing new methods of detection for the enzymes matrix metalloproteinases.

The enzymes are generally detected by using biological antibodies.

Mallik and Srivastava also will study the potential of lipid-based nanoparticles with a selective recognition property as alternatives to the antibodies. When developed, the strategy can be used for the detection of other proteins and viruses at very low levels.



Mallik



Srivastava

a message from the advancement office



Tanke

Dakota, I quickly found a home at NDSU and Fargo.

Outside of work, I volunteer with the National Multiple Sclerosis Society as chair of the annual Walk MS-Fargo, and I also assist with Fargo-Moorhead Youth Leadership and Adult Leadership programs. As an avid Bison football fan, there are very few home games I miss.

Since my move to the college, we have hosted the 50 Year Reunion participants at a dinner along with all of the

reunion activities. Wonderful stories and times were shared. We enjoy hearing those stories and would like to publish them in our newsletters. If you have stories to share, please send them to me.

I hope you enjoy the new look of the newsletter and the articles included. Since our newsletter hasn't been published for a while, we have several news pieces from the past year to report plus Sudro Society, our new annual giving program. We are very excited to launch the society as we continue to grow the college and enhance pharmacy students' experiences. Your financial support gives us the opportunity to continue educating competent, caring, ethical pharmacists. We hope you consider joining the society to help us make a difference to so many students.

If you have an opportunity to return to campus, please stop by my office in Sudro Hall, room 120. I would love to hear from you anytime.

Sara Tanke
Director of Advancement
701-231-6461 or Sara.Tanke@ndsu.edu.

Achievement Award recipient: Plan for tomorrow today



Larry Ellingson has been an executive at a major drug company, a proponent of worldwide diabetes education and one of NDSU's most successful pharmacy alumni. On Oct. 5, Ellingson added one more job title to his resume: life coach.

While at his alma mater last fall to accept a prestigious Alumni Achievement Award, the 1969 NDSU graduate spoke to pharmacy students. He not only told them how to succeed in their careers, but how to succeed in life.

Ellingson knows a thing or two about success. After joining Eli Lilly as a sales representative, he quickly was promoted to an executive position. In 1990, the Cooperstown, N.D., native began what he described as his most rewarding work: fighting for diabetes awareness, prevention and cure. He has served as chair of the American Diabetes Association and currently is working

on a global project to develop a peer-to-peer project with poor people affected by diabetes.

Ellingson urged NDSU students to take up the torch for the rapidly spreading chronic disease. "There's not enough of you to service all of these people," he said. "There are about 22 million in the U.S. with diabetes, there are another 54 million with pre-diabetes, so that's a pretty big number. And, unfortunately as Scandinavians we have an incidence that's pretty high – about one in five or one in six. We've got work to do."

He also advised students to "soul search" on which direction they wanted their careers to take. "I would encourage you as you go forward to figure out: What really matters to you? What are you passionate about? What are you good at?"

Among his other advice:

- **Attitude is altitude.** "If you aren't positive about where you're going and how you're going to get there, nothing's going to happen. We spend all of our time working on our weaknesses. Work on your strengths." Ellingson recommended the bestseller "The Secret," as one guide for learning how to think positively.
- **Plan for tomorrow today.** "Write a mission statement. Where are you going to be in 2010? You need to figure out where you want to go, and that's always the big question." Ellingson says he didn't begin to receive awards and recognition until after 1992 – the year when he wrote his first mission statement.
- **Put people first.** Employees always wanted to work for Ellingson. Why? "Because I put people first. Anything you do, the person should come first to mind. Not the results of the job, not the output that they're looking for. It's about what impacts you have on people. Take care of the people and they'll take care of you."
- **Manage intelligently.** Ellingson believes in his management philosophy so strongly that it is printed on the back of his business card: "See everything. Overlook a lot. Manage just a little." In other words, hire good people and get out of their way.
- **Respect other cultures.** Ellingson's employees usually succeeded with international clients because Ellingson required them to understand other cultures. When doing international business, his employees were required to stay a couple of extra days so they could learn something about the people and culture.
- **Leave a legacy.** "What will people remember you for?" Ellingson said. "Your work in pharmacy? Most likely they'll remember you for what you did for others."
- **Be proud of where you come from.** People would ask Ellingson how he had the confidence to succeed when working among Harvard MBAs and Ivy League PhDs. Ellingson maintained he had the qualities most North Dakota students had, including common sense, a good work ethic and a willingness to listen and learn. "You don't have to worry about where they came from or how many degrees they have," he said. "If you get an education here, you'll be ready. I guarantee it."

Tammy Swift

Larry Ellingson career highlights

Chairman of the board, Protelix

Former chairman of the board, American Diabetes Association

Retired Eli Lilly executive

Awards:

- First and only non-scientist to receive both the President's Award and Eli Lilly Research Award for contributions to diabetes research.
- In 2001, Eli Lilly created the Ellingson Legacy Award to honor those who provide outstanding customer service. Ellingson was the first recipient.
- Chair of the board of American Diabetes Association, and recipient of ADA's highest honor, the Charles H. Best Award for outstanding service to diabetes research in 2005.

NDSU involvement:

- Received NDSU Alumni Achievement Award in 2007.
- Serves on NDSU Development Foundation board of trustees.
- Serves on advisory board for the college.
- Sudro Hall's Room 20 is named for Ellingson and his wife Mary (Paulsen), BS '70, medical technology, in recognition of their contributions.

class notes

Pat (Moore) Churchill, BS '58, received the 2008 Bowl of Hygeia award from the North Dakota Pharmacists Association and Wyeth-Ayerst Laboratories. She lives in Bismarck, N.D.

Jim Irsfeld, BS '62, handed over the management of Irsfeld Pharmacy, Dickinson, N.D., to his son, **Steve, BS '88**. The younger Irsfeld joined the company in 1996. The pharmacy is located in the Great Plains Clinic.

Wayne Peterson, BS '62, lives in Moose Lake, Minn. His son, Steven, is a student in the NDSU pre-pharmacy program.

Rusty Kruger, BS '68, and his wife, Debbie, operate Mandan Drug, Mandan, N.D. Known for its chocolates and loyal group of coffee drinking customers, the store was featured in AAALiving magazine.

Larry Ellingson, BS '69, received the Alumni Achievement Award from the NDSU Alumni Association. He is chair of the board of Protomix Corp. Limited.

Fred Paavola, BS '70, honorary doctorate '02, was appointed to the 21-member National Disaster Medical System Senior Medical Work Group. The group influences the system and decision makers at the strategic, operational and tactical levels pertaining to medical response operations. A retired rear admiral with the U.S. Public Health Service, he is commander of the Arizona One Disaster Medical Assistance Team.

Lois (Jacobson) Moe, BS '75, has returned to her hometown, Frazee, Minn., and joined the pharmacy team of Seip Drug. She recently purchased a home on Acorn Lake.

David Olig, BS '75, received the 2007 Bowl of Hygeia award from the North Dakota Pharmacists Association and Wyeth-Ayerst Laboratories. He also was named to the board of trustees of the NDSU Development Foundation. He is the owner of Southpointe Pharmacy and lives in Fargo.

Terrence C. Dahl, BS '77, was named to the board of trustees of the NDSU Development Foundation. He is the senior director of formulation and process development at Gilead Sciences Inc., Foster City, Calif. He lives in Sunnyvale, Calif.

Nancy (Pederson) Smith, BS '77, joined Ye Olde Medicine Center in Cavalier, N.D. She and her husband, Roy, live in Gretna, Manitoba.

Cyd (Stoelting) Runsvold, BS '77, was named chair of the board for the NDSU Alumni Association. She is a pharmacist and co-owner of Hanson-Runsvold Funeral Home, Fargo.

Jim Bjorklund, BS '78, has owned Moorhead Drug in the Moorhead, Minn., Center Mall since 1982. He was featured in a Forum of Fargo-Moorhead news article titled "Filling the years."

Darryle Schoepp, BS '78, was named senior vice president and franchise head at Neuroscience, Merck Research Laboratories, Upper Gwynedd, Pa. He previously spent 20 years in research at Eli Lilly and Co., where he was vice president and overall global head of neuroscience research and early clinical investigation.

Gary Erdmann, BS '79, MS '82, PhD '85, was ordained in the Evangelical Lutheran Church in America.

Mike Riepl, BS '79, received the Innovative Pharmacy Practice Award at the North Dakota Pharmacists Association convention. He lives in Bismarck, N.D.

Brenda (Nagel) Sterner, BS '80, received the 2007 Outstanding Pharmacist Award from the Minnesota Society of Health-System Pharmacists. She has worked as a pharmacist at Abbott Northwestern Hospital, Minneapolis, for more than 25 years.

Paul Iverson, BS '82, received the Harold R. Popp Memorial Award from the Minnesota Pharmacists Association. He is the owner of Iverson Corner Drug, Bemidji, Minn.

Nate Seip, BS '82, opened his seventh Seip Drug store. He now has operations in the Minnesota communities of Perham, New York Mills, Frazee, Henning, Battle Lake, Moorhead and Detroit Lakes. Combined, the locations employ about 50 people.

Harvey Hanel, BS '83, PharmD '88, received the Al Doerr Award from the North Dakota Pharmacists Association. He is the pharmacy director for North Dakota's Workforce Safety and Insurance, Bismarck. He oversees the agency's pharmacy budget.

Rose (Didier) Greb, BS '87, joined the pharmacy staff of Ye Olde Medicine Center, Cavalier, N.D. She had previously been working in Valley City, N.D.

Keith Horner, PharmD '94, is the director of pharmacy services at St. Alexius Medical Center, Bismarck, N.D. He lives in Bismarck.

Melanie Cairns, PharmD '95, received the Health-Systems Pharmacist of the Year Award at the North Dakota Pharmacists Association convention. She lives in Grand Forks, N.D.

Kara (Brakke) Johnson, BS '96, PharmD '98, earned a doctor of medicine degree from the University of North Dakota School of Medicine and Health Sciences. She will go for residency training in internal medicine at the Abbott Northwestern Hospital, Minneapolis.

Megan (Thom) Krueger, BS '97, PharmD '99, was named the 2007 Distinguished Young Pharmacist of the Year by the North Dakota Pharmacists Association. She is the pharmacist and co-owner of Velva Drug, Velva, N.D.

Michael Gulseth, PharmD '99, is the lead author and editor of a new text, "Managing Anticoagulation Patients in the Hospital," from the American Society of Health-Systems Pharmacists. He also is president of the Minnesota Society of Health-Systems Pharmacists. He is a clinical pharmacy specialist and assistant professor at St. Mary's Medical Center/University of Minnesota College of Pharmacy, Duluth, Minn.

Shelly (Case) Soholt, BS '02, PharmD '04, joined the staff at the Grand Forks Clinic Pharmacy. The pharmacy is located within Altru Clinic Main, Grand Forks, N.D.

Suzanne Dietrich, BS '03, PharmD '05, joined Hospice of the Red River Valley as a pharmacist. She previously was the pharmacist in charge at Prairie Pharmacy, Fargo.

Lindy (Schaefer) Flatau, PharmD '03, had her article, "Transitioning in the life of a practicing pharmacist," published in the New Practitioners Forum of the American Journal of Health-System Pharmacy. At the time, she was a clinical pharmacy specialist at St. Mary's Health Center, St. Louis.

Bill Fugate, BS '04, PharmD '06, received certification from the Minnesota Board of Pharmacy. He is a staff member with RiverView Pharmacy, Crookston, Minn.

Pam Blegen, BS '05, PharmD '07, joined the staff at Landon, N.D., Community Drug.

Jennifer Bodmer, BS '05, PharmD '07, works at CVS Pharmacy after serving as an intern pharmacist in her hometown of Kenmare, N.D. She lives in Eden Prairie, Minn.

Brian Carlson, BS '05, PharmD '07, joined the staff of Carlson Drug and Gifts in his hometown of Ortonville, Minn.

Young-Ah Knudsen, BS '05, PharmD '07, joined Pelican Drug, Pelican Rapids, Minn.

Jennica (Kalianoff) Yatskis, PharmD '06, and her husband, **Paul, BS '05**, established the Make A Difference Scholarship, which is available to graduating seniors from Steele-Dawson High School. She is a pharmacist in Cedar Rapids, Iowa, and graduated from Steele-Dawson High School in 2000.

50 Year Reunion – May 21-22



50 Year Reunion attendees enjoyed a visit to NDSU including a dinner with pharmacy classmates, recognition lunch, and a tour of the campus and Sudro Hall. Reunion attendees (pictured left to right): Tom Keaveny, Darby Keaveny, Claudia Olson, Kent Olson, Erv Reuther, Dick Olness, Sandy Reuther, Donna Beutler, Harvey Lillestol, Roberta Southam, Bob Beutler, Jack Southam, Norma Baranick and Dan Baranick.

AAPS chapter sees changes, more activities

As the NDSU's student chapter of American Association of Pharmaceutical Scientists (AAPS) makes the transition into its fourth year, we have seen a major changeover within the chapter's officers. Due to early graduation of our former chair and two other officers entering into final stages of their graduate studies, the chapter unanimously decided to hold an early set of elections.

The newly elected officers are: Michael Scott, chair; Rhishikesh Mandke, chair-elect; Jayati Banerjee, vice-chair; Kacie Hughes, secretary; Rajesh Subramaniam, treasurer.

Faculty adviser to the chapter, professor Jagdish Singh, described the importance of the organization and explained his vision for the future of the organization to the officers. He also elaborated upon the immediate and long-term goals for the chapter, especially pertaining to:

- Increasing in the diversified activity of the chapter,
- Inviting researchers to present their work and share their views and experiences with members of the department,
- Presenting a bona fide and positive image of the college at the national level, and
- Learning about and educating other members about the values that represent AAPS as an organization.

Many members of our chapter volunteered for Dr. John Baird's medical mission trip for summer 2008. Members also will be presenting their research at the 40th annual Pharmaceutics Graduate Student Research Meeting (PGSRM) in Ann Arbor, Mich., as well as at the National AAPS meeting in Atlanta. In the first week of July, our officers scheduled and finalized arrangements to invite a visiting scientist speaker for a presentation. As is the norm, this presentation will be open for all interested individuals at the university.

Since its formation in the spring of 2005, the chapter has found itself growing in terms of size and function within the college and at the national level. Some of the activities our AAPS chapter has been involved in are listed below.



The NDSU chapter American Association of Pharmaceutical Scientists began in 2005 and has been growing in size and activity.

During 2006, the chapter was represented at PGSRM 2006 hosted by the University of Minnesota and at AAPS Annual Meeting in San Antonio. "Peters Endowed Chair" from the University of Minnesota, professor Raj Suryanarayanan was invited by the chapter and he presented a lecture titled, "Physical Form: Importance in Solid Formulations," at NDSU.

In 2007, the chapter was represented at PGSRM 2007 hosted by University of Missouri-Kansas City and at AAPS Annual Meeting in San Diego. In September 2007, the chapter invited Dr. Sourav Bhunia from Medtronic Inc. to give a presentation on "An Artificial Heart" and to share his thoughts with the members of the college. In January 2008, our chapter was featured in AAPS magazine.

The continued active participation in the activities and increasing their number and variety is not only a goal of this chapter, but it also is seen as a responsibility to improve the quality and reputation of the College of Pharmacy, Nursing, and Allied Sciences as well as the Graduate School at NDSU.

Michael Scott, AAPS member

Students help medical team headed for Guatemala

It was a service project from the heart, an effort that will help hundreds of people the students and faculty of the College of Pharmacy, Nursing, and Allied Sciences have never met.

This spring, college students and personnel volunteered their services to assist the Guatemala Medical/Dental Mission sponsored by the Episcopal Diocese of North Dakota. The annual summer mission provides needed medical and dental care for indigent people in the mountains of northwestern Guatemala, the most populous nation in Central America.

"The mission team carries 400 to 500 pounds of medication. Bought in bulk, the supplies have to be counted into thousands of packets for individual patients to have one month's supply. It's a labor intensive effort," said Dr. John Baird, health officer of Fargo Cass Public Health and the diocesan treasurer.

Usually, volunteers from Episcopal churches in Fargo, Bismarck and Jamestown do the work, but this year Baird asked for the college's help. He approached student Maari Loy with the idea.

Loy, who earned her bachelor's degree in May in pharmaceutical science and is now working toward her PharmD, thought it was a wonderful project and became the primary coordinator. She met with fellow students, departments, organizations in the college, Dean Charles Peterson and the executive director of the State Board of Pharmacy to make sure everything was done correctly.

On April 24, students and faculty members gathered to count and package thousands of packets of medication for the medical team during its June 29 to July 9 mission.

Maari Loy

"We feel like we made a difference. The hardships they have in Guatemala are something that we can't completely grasp."

"Students and faculty were very interested – they were eager to help," Loy explained, noting that a total of 155 people took part in some way. "It was a good interdisciplinary project for us to do. We didn't just have pharmacy students; we had students in nursing, clinical lab science, pharmaceutical science and radiological science. It was really good to see the different medical fields our college encompasses all come together.

Divided into three-person teams in the college's Concept Pharmacy, the volunteers expertly counted, labeled and packaged the pills. And most participants seemed to thoroughly enjoy themselves as they made new friends.



Students from across the college participated in preparing 5,000 units of medications for indigent people in northwestern Guatemala.

"There was a lot of laughter in that room," Loy said. "We had a policy and procedure written up, so everyone knew what was expected of them. But, it definitely was not all just business taking place there. It was a lot fun."

Jeanne Frenzel, assistant professor of pharmacy practice, said the group prepared 5,000 units of medications. "The result was a moving display of interdisciplinary collaboration," she said. "Many of the students involved in the project are studying to become pharmacists. They were able to use their knowledge and skills to efficiently and accurately prepare the medications for global outreach."

For Baird, the effort was an incredible thing to watch.

"The students and faculty really helped us. They got the job done in a more organized and efficient method than we would have normally," he said. "And they finished so quickly. They were done in a couple of hours, where it normally takes us weeks to do it."

Baird also gave a PowerPoint presentation about the mission's work, so the volunteers could have some insight into how their labors would impact the lives of the Guatemalan people. In 2007, for example, the mission helped 850 adults and children and the group's dentist pulled more than 200 teeth in five days of clinics.

"We feel like we made a difference. The hardships they have in Guatemala are something that we can't completely grasp," Loy said. "By volunteering our time to get these medications ready, we're helping them improve their lives."

Mission organizers were delighted with the outcome. "I would like to thank them all, and I really appreciate the assistance we got from NDSU," Baird said. "I hope the students will be able to help us again in future years." *Steve Bergeson*

New student ambassadors to represent college at events

The College of Pharmacy, Nursing, and Allied Sciences has named the first class of Pharmacy, Nursing, and Allied Sciences Ambassadors. The 29 members of the new student organization represent each department within the college, as well as different stages of the programs ranging from pre-professional to graduate students. Students were nominated for ambassador positions by faculty members from their area of study and completed an interview process. Nearly 100 students were nominated.

Members will serve an essential role in the college. The elite group of students will work to promote the college through involvement in a variety of events, including campus tours for prospective students interested in the majors within the college, homecoming tours for alumni, the White Coat ceremony, the Nurse Pinning ceremony and a host of other events for prospective students, current students and alumni.

Ambassadors from pharmacy include Roland Achenjang, Jill Anstadt, Kara Axvig, Al Berg, Steve Collison, Michaela Goodin, Cole Helbling, Kacie Hughes, David Leedahl, Nate Leedahl, Kate Loe, Maari Loy, Chandrasekar Manoharan, Katie Montag, Emily Olson, Mary Raven, Tyler Rogers, David Sperl and Andy Thoreson.

Ambassadors from radiologic sciences include Abbe Malone and Shawn Pearson.



Student ambassadors promote the college to prospective students and host alumni homecoming tours.

Ambassadors from nursing include Dawn Bjorgan, Megan Halvorson, Shane Johnson, Carrie Kincade, Sarah Moquist, Amanda Nord, Sarah Roehl and Alisha Sagaser.

The College of Pharmacy, Nursing, and Allied Sciences recognizes the valuable role of alumni and students in the recruitment, application and enrollment process by sharing their positive experiences and advice with prospective students. The ambassadors are co-advised by Dana Davis, director of recruitment, and Sara Tanke, director of advancement for the college.

Student pharmacists assess last year's successes

The NDSU American Pharmacists Association Academy of Student Pharmacists has once again seen completion of a very fast moving and eventful school year. Following finals, we had a chance to reflect upon our chapter's collective work and vision surrounding the APhA-ASP National direction of improving health literacy.

Through our various projects in three patient care initiatives – Heartburn Awareness, Operation Immunization, and Operation Diabetes – student pharmacists had multiple opportunities to enhance their pharmacy education as well as interact with patients in clinical type settings.

Our goal, to increase involvement in the organization, resulted in increased involvement at every level including:

- 18 students who attended the Midyear Regional Meeting in Minneapolis, with one student running for a regional office,

- 12 student pharmacists attended the national meeting in San Diego, and
- 11 student pharmacists participated in the Patient Counseling Competition.

Another goal was accomplished at the North Dakota Pharmacists Association State Convention where student pharmacists recruited North Dakota community pharmacists' help by taking an active role in future chapter patient care projects.

The NDSU APhA-ASP chapter looks forward to another productive school year and the opportunity to interface with many alumni during homecoming. *Ramona Danks, ASP member*

2007-2008 scholarships

ASP Student Leadership Award
Sara Hermans, *Milbank, S.D.*

Earl Beckman (1967) Memorial Scholarship Sponsored by Jamestown area pharmacy group
Stephanie Olson, *Oriska, N.D.*

Mary J. Berg (1974) Scholarship
Kara Axvig, *Rugby, N.D.*
Rebecca Knorr, *Velva, N.D.*

Bi-Mart Corporation Scholarship
Lola Kettler, *Melrose, Minn.*
John Naegeli, *Sauk Rapids, Minn.*

Coborn's Pharmacy Scholarship
Erin Miller, *Long Prairie, Minn.*

CPFI Scholarship by Gerald A. (1970) and Bonnie L. Heit
Maari Loy, *Casselton, N.D.*

Cub Pharmacy/Osco Drug Scholarship
Daniel Beiswenger, *Moorhead, Minn.*
Tasha Bekkerus, *St. Louis Park, Minn.*
Nicole Fries, *Willmar, Minn.*
Emily Lentz, *Minot, N.D.*
Rebecca Moos, *Mandan, N.D.*
Nicole Peters, *Dickinson, N.D.*
Brent Vesta, *Moorhead, Minn.*

CVS Pharmacy Scholarship
Molly Gunkelman, *Fargo, N.D.*
Brendan Hacker, *Hancock, Minn.*
Brenna Kane, *Fargo, N.D.*
Tammy Martin, *Fargo, N.D.*
Lindsey Nokleberg, *Leonard, N.D.*

Dakota Drug Scholarship
Trent Anderson, *Hewitt, Minn.*
Todd Chapin, *Havana, N.D.*
Rachel Schaan, *Sawyer, N.D.*

Dean's Pharmacy Scholarship
Jonathan Keel, *Las Vegas*
Nicole Marihart, *Dawson, Minn.*
Jessina Moe, *Bemidji, Minn.*
Margaret Wallace, *Plainview, Minn.*

Al Doerr (1928; 1977 Honorary Doctor of Science) and Mary Kay Doerr Memorial Scholarship
Aftin Boling, *Burlington, N.D.*

Dr. Calvin Fercho and Doris Fercho Scholarship
Michelle Marihart, *Dawson, Minn.*

Lynn Peter Ferguson (1966) Pharmacy Scholarship
Aftin Boling, *Burlington, N.D.*
Amanda Eastman, *Inkster, N.D.*
Ruth Fonder, *Fosston, Minn.*
Heidi Fritz, *Fargo, N.D.*
Cody Leff, *Waubun, Minn.*
Coralyn Lennberg, *Akeley, Minn.*
Alaina Stadheim, *Reeder, N.D.*

William J. (1951; 1990 Honorary Doctor of Science) and Mary Anne Grosz Scholarship
Ashlee Zimbelman, *Minot, N.D.*

John (1987) and Diane Gust, The Medicine Shoppe of Cloquet, Minn. Scholarship
Coralyn Lennberg, *Akeley, Minn.*

Philip N. (1950) and Eldora I. Haakenson Scholarship
Cody Leff, *Waubun, Minn.*

Drs. Duane and Kimberly Halbur First Generation Scholarship
Sara Erickson, *Fargo, N.D.*

Kappa Psi Scholarship by Joe (1967) and Bob (1963) Kellogg
Alicia Lauf, *LaMoure, N.D.*
Ryan Petrich, *Fargo, N.D.*

Kermit Kaspari (1932) Memorial Scholarship
Jennifer Schlauderaff, *Hankinson, N.D.*

Robert Krenelka (1949) Endowment Fund Scholarship
Kristen Bjerken, *Mahnomon, Minn.*

Jerry Lester, (1956) Foundation Scholarship
Amy Vogt, *Detroit Lakes, Minn.*

Larry Linson (1978) Memorial Scholarship
Marissa Erlandson, *Oakes, N.D.*
Emily Kuchera, *Hastings, Minn.*
Lucas Glarum, *Mooreton, N.D.*

"Make a Difference Scholarship" Supported by RADM (Ret) Fred (1970; 2002 Honorary Doctor of Science) and Linda Paavola
Jared Schmitz, *Miles City, Mont.*

Mattson Pharmacy Scholarship by Dean (1982) and Judy (1981) Mattson of Roseau, Minn.
Sean McLister, *Willmar, Minn.*

Mayo Clinic Rochester, Minn., Scholarship
Samantha Pula, *Bemidji, Minn.*
Katie Swisher, *Fargo, N.D.*

Ellen Mayoue (1920) Scholarship
Sara Ecklund, *Glyndon, Minn.*

McKesson Corporation Scholarship
Tyler Waller, *Bigfork, Minn.*

Medicine Shoppe of Mandan Scholarship by Bob (1985) and Lynn (1987) Gustafson
Katie Deutsch, *Bismarck, N.D.*

Miller Memorial Scholarship
Kathryn Pedersen, *Harwood, N.D.*

NACDS (National Association of Chain Drug Stores) Education Foundation Scholarship
Lance LeClair, *Fargo, N.D.*

North Dakota Pharmacists Memorial Scholarship
LeNeika Gebauer, *Mandan, N.D.*
Chelsea Greutman, *Fargo, N.D.*
Kristin Gussiaas, *Carrington, N.D.*
Carmen Loff, *Devils Lake, N.D.*
Lynde Monson, *Fargo, N.D.*
Nicholas Rogers, *Grand Forks, N.D.*
Sara Vopat, *Kulm, N.D.*

In memory of Burt Finney
Tonya Mayfield, *Surrey, N.D.*

Nash Finch Company Foundation Scholarship
Monica Kowalke, *Buffalo, Minn.*
Danielle Nelson, *Campbell, Minn.*
Jenna Pepelnjak, *Pelican Rapids, Minn.*
Ben Phipps, *Hastings, Minn.*
Kyle Roos, *Fargo, N.D.*

North Dakota Rexall Club Scholarship

Jill Anstadt, *Fargo, N.D.*
Megan Axvig, *Bismarck, N.D.*
Hannah Dyk, *Bowman, N.D.*
Elliot Klapperich, *Oakes, N.D.*
Michelle Larsen, *Watford City, N.D.*
Maari Loy, *Casselton, N.D.*
Brooke Melicher, *Fargo, N.D.*
Dana Opsahl, *Fargo, N.D.*
Suzy Reisenauer, *Dickinson, N.D.*
Stephen Syverson, *Enderlin, N.D.*
Faith Wentzel, *Edmore, N.D.*
Lindsay Werre, *Bismarck, N.D.*

In honor of William and Mary Anne Grosz

Amanda Eastman, *Inkster, N.D.*

In memory of Arthur Huber/ In honor of Jane Huber

Heidi Fritz, *Fargo, N.D.*

In memory of Emil Zueger/ In honor of Darlene Zueger

Jill Kertz, *Edinburg, N.D.*

Perham East Ottertail Pharmacy Scholarship

Lynn Herbranson, *Battle Lake, Minn.*

Pharmacists Mutual Scholarship Award

Emily Krause, *Wadena, Minn.*

Pharmacy Class of 1955 Scholarship

Cole Bemboom, *St. Cloud, Minn.*

Pharmacy Class of 1956 Scholarship

Cole Bemboom, *St. Cloud, Minn.*

PRACS Institute/James D. Carlson Graduate Student Scholarship

Jayati Banerjee, *India*
Yu Tang, *Chengdu, China*

PRACS Institute/James D. Carlson Pharmacy Student Scholarship

Bhushan Gadani, *Plymouth, Minn.*
Kim Korstjens, *Milbank, S.D.*

SAFEWAY Inc. Scholarship

Sara Ecklund, *Glyndon, Minn.*
Stephanie Noeske, *Valley City, N.D.*
Hannah Surma, *Alexandria, Minn.*

Schnell Scholarship

Roland Achenjang, *Danville, Ky.*

Schuhmacher Scholarship Endowment Fund

Jessica Korsten, *Zumbrota, Minn.*

John F. Schuld (1947) Memorial Scholarship

LaNell Staroba, *Wyndmere, N.D.*

ShopKo Scholarship Award

Alicia Thole, *St. Cloud, Minn.*

Lowell (1940) and Kathryn Smith Scholarship

Emily Case, *Watertown, S.D.*

Snyders Drug Stores Scholarship

Kelly Frank, *West Fargo, N.D.*
Mark Janku, *St. Cloud, Minn.*
Nicolas Kadrmas, *Bismarck, N.D.*

Duane (1977) and Margo Stegmiller Scholarship

Erin Stern, *Bismarck, N.D.*

SuperValu Pharmacies, Inc., Scholarship

Stacy Warpula, *Litchfield, Minn.*

SuperValu Pharmacies, Inc., NAPP Scholarship

Travis Condon, *Fort Yates, N.D.*
Emily Olson, *White Bear Lake, Minn.*

Jane A. Taylor/ PEO Scholarship

LeNeika Gebauer, *Mandan, N.D.*

3M Corporation Award

Travis Condon, *Fort Yates, N.D.*
Delvin Lufkins, *Sisseton, S.D.*
Emily Olson, *White Bear Lake, Minn.*
Luke Peltier, *Belcourt, N.D.*
Berry Poitra, *Velva, N.D.*

Thrifty White Pharmacy Scholarship

Alexis Barr, *Ortonville, Minn.*
Scott Frank, *Dickinson, N.D.*
Anne Gorder, *Galchutt, N.D.*
Nate Holmquist, *Maple Grove, Minn.*
Sue Jacobs, *Maplewood, Minn.*
Kyle Jost, *Dickinson, N.D.*
Ashlee Kinzel, *Hibbing, Minn.*
Alaina Stadheim, *Reeder, N.D.*
Jill Wax, *Regent, N.D.*

Robert (1966) and Marti Tuchscherer/Vista Pharmacy Scholarship (Fort Scott, Kan.)

Rachel Schaan, *Sawyer, N.D.*
Gregory Ziegler, *Malta, Mont.*

Bradley J. Udem (1979) and Nancy Fercho Udem (1979) Pharmacy Legacy Scholarship

David Sperl, *Little Falls, Minn.*

Muriel C. Vincent Pharmacy Scholarship

Sara Hermans, *Milbank, S.D.*

Charles R. Walgreen, Jr. (1968) Honorary Doctor of Science Scholarship

Jenna Ludvigson, *Litchfield, Minn.*
Kimberly Knain, *Hatton, N.D.*
Faly Rakotomahenin, *Antananarivo, Madagascar*
Tara Robberstad, *Mahomet, Ill.*

C. R. Walgreen Excellence Scholarship

John Deutsch, *Fargo, N.D.*
Amanda Meyer, *Pierz, Minn.*

Wal-Mart Foundation Scholarship

Shawn Bjorndal, *Granite Falls, Minn.*
Amanda Boo, *Chisago City, Minn.*
Shelby Carlson, *Inver Grove Heights, Minn.*

Welder (1961) Scholarship

Michael Glessing, *Fargo, N.D.*

Women's International Pharmacy Scholarship

Lindsey Nokleberg, *Leonard, N.D.*

Beau Young (1943) Memorial Scholarship

Ramona Danks, *Bismarck, N.D.*

development

Thank you to the following alumni and friends for their gifts to benefit the pharmacy program from July 1, 2006, to June 30, 2007. These gifts listed by class years allow us to carry on the tradition of excellence in sustaining the highest-quality teaching, research and outreach programs in pharmacy.

Every effort has been made to ensure accuracy, but errors or omissions may have occurred. Please bring any such errors to our attention. For more information about gifts that directly benefit the college, contact Sara Tanke, Director of Advancement, at 701-231-6461 or e-mail: Sara.Tanke@ndsu.edu.

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calendar of events

SEPTEMBER

6 White Coat Ceremony, *Festival Concert Hall*, 1 p.m.

18 College Career Fair, *Fargodome*, 10 a.m.–2:30 p.m.

18 College Scholarship Recognition Program,
Fargodome, 3–5 p.m.

Sept. 29 – Oct. 4 Homecoming Week

OCTOBER

3 Pharmacy National Advisory Board Annual Meeting

DECEMBER

7-11 Dakota Reception – American Society of Health-
System Pharmacists Midyear Clinical Meeting,
Orlando, Fla.



APRIL

3-6 Alumni Social – American Pharmaceutical
Association Annual Meeting and Exposition,
San Antonio, Texas