

# Pharmacy

## A L U M N I N E W S

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

**COLLEGE OF PHARMACY, NURSING, AND ALLIED SCIENCES**



## New name makes college stronger than ever

The new name is a mouthful, but it promises great things for NDSU pharmacy.

On May 17, the state Board of Higher Education officially approved a name change for the former College of Pharmacy. The newly dubbed College of Pharmacy, Nursing, and Allied Sciences not only represents an expanded college, but allows NDSU to be at the forefront of a new educational trend.

"The college has a long-standing tradition of excellence, and has been around for over 100 years," says Dean Charles Peterson. "Yet, over time, we have experienced unprecedented growth because of the success of our program. We felt it appropriate that the name reflect more of who we are today."

The name reflects the addition of a new department to the college – allied sciences (which includes respiratory care, clinical laboratory science and radiologic sciences) – and gives more recognition to an existing program, nursing, which has been under pharmacy's wing since 1986 (the baccalaureate program), and 1969 (the associate degree program).

The change was actually initiated by pharmacy faculty. When administrators and faculty members were revising the college's strategic plan, one professor mentioned the need to recognize nursing in the college's name. Faculty approved the motion for a name

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change in April 2005, and administrators launched a study to see if a change was feasible.

Peterson sought opinions from the college's national advisory board as well as alumni and friends of the college. All feedback was positive.

Once the wheels were set in motion for a new name, NDSU Provost Craig Schnell approached the college about moving allied sciences from the biological sciences department to the college. "We said absolutely," Peterson said. "It made sense to have allied sciences join the college, as it would expand further the breadth and depth of our health sciences focus."

Allied sciences officially became part of the college Jan. 1. Its inclusion ratchets up the college's ever-growing numbers even more. When Peterson became dean at NDSU 11 years ago, the college had 650 pre-professional and professional students. Today, when factoring in the additional 250 allied sciences students, that number swells to 1,500. Likewise, the graduate program has grown from five students to 50.

Although the reorganization will strain Sudro Hall's available space a bit, Peterson believes the change is worth it.

For one thing, it will bolster student recruitment. "When we're attempting to recruit the best students and they actually see that the college recognizes pharmacy, nursing, and allied sciences to the point where we are in the name of the college, that is a valuable thing," he says.

It also gives the departments the visibility they deserve. Peterson points to nursing, which gained accreditation at NDSU this past year and attracts more students each year, yet has been hidden in pharmacy's shadow.

"When you have several programs under your management, you'd like to have everyone feel like a member of the family," he says. "Everyone should feel equally recognized and valued for the contributions they make to the college."

But one of the greatest advantages of the reorganization is that it enables the college to put into practice one of the hottest trends in education: interprofessional education.

In 2003, the Institute of Medicine published a report that stressed the importance of training students in health professions to work in interdisciplinary teams.

Now, NDSU has that opportunity. It is hoped this model will create an opportunity for students from all disciplines within the college to take certain classes together. In the process, they'll learn about the distinct roles and skills of professionals in other



**Nursing is now recognized in the college name.**

health-care disciplines. "Once they graduate, they're expected to understand what each other's role is, and go arm-in-arm together in delivering health care to the patient. Now we can start those practices as soon as they enter our program," Peterson says.

As an example, Peterson points to "METI MAN," the computer-simulated patient mannequin recently added to the Nursing Skills Lab. The mannequin simulates many of the symptoms of acute diseases and requires the student to respond accordingly. If students from all disciplines took the lab together, nursing students, for example, could learn current medication therapy management practices from pharmacy students. Pharmacy students also could learn patient assessment and patient-care monitoring skills from nursing students.

"As a result, they will become even better practitioners," Peterson says. "I believe NDSU has an opportunity to become a national leader in interprofessional education. That would be our vision."

But even as students work together, Peterson stresses the importance of preserving and protecting each discipline's identity. "It is our intent to add to the value of excellence that already exists within these programs. Their individual identities, reputations and relationships with alumni will be respected, protected and preserved. There will be some things they need to do separately and some things they need to do together," Peterson says.

Accordingly, alums can still designate gifts to their preferred discipline, and be assured the funds will be used to support that program.

To get these groups to begin working together, Peterson plans to develop separate advisory boards for each discipline. Pharmacy already has one that can act as a model for the others. Each advisory board will deal with that discipline's business.

The boards also will be brought together to work collaboratively on issues affecting the entire college. Peterson will create an executive committee comprised of chairs from each advisory board, which will provide further opportunities for these groups to work together.

"They will work together as an interprofessional administrative team and share visions and missions and future plans, challenging and encouraging each other to achieve the next level of excellence," Peterson says. "It's a great opportunity for us, and it's very exciting." □

**Tammy Swift**

## A MESSAGE FROM THE DEAN



Charles D. Peterson

An evaluation team from the Accreditation Council for Pharmacy Education (ACPE) visited the college April 11-13 for the purpose of continued accreditation of our pharmacy professional program. The team toured our program's academic and clinical facilities and interviewed students, faculty, standing committees of the college and administrators. Their purpose was to validate the findings of our self-study report, evaluate our program in meeting ACPE's new standards, and make recommendations to the Accreditation Council regarding strengths, weaknesses and areas needing improvement in regard to continued accreditation.

Overall, the visit went extremely well, the feedback from the ACPE Evaluation Team was positive, and I anticipate our college will receive another full six-year accreditation from the ACPE Board. I would like to thank everyone who helped us in this process, especially chair Donald Miller and the members of our Self-Study Steering Committee, as well as the National Advisory Board's Subcommittee on Accreditation. They deserve a standing ovation for their dedication and excellent work.

As many of you are aware, the College of Pharmacy has reorganized. Besides the pharmacy professional program, the college now has its own independent, fully accredited baccalaureate nursing program. As of Jan. 1, the provost also placed NDSU's allied health programs under the college's management. The college will now be known as the "College of Pharmacy, Nursing, and Allied Sciences."

The North Dakota Telepharmacy Project received the 2006 Outstanding Rural Health Program Award at the Annual Dakota Conference on Rural and Public Health Awards Banquet held March 23 in Fargo. 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. I would like to thank Ann Rathke, telepharmacy coordinator; Dave Scott, co-principal investigator; the state Board of Pharmacy and the state association, as well as the individual project partners who helped to make this program such a success. The North

Dakota Telepharmacy Project is currently in its fourth year of funding through the Office for the Advancement of Telehealth. Since its inception in September of 2002, 57 pharmacies – 21 central pharmacy sites and 36 remote sites – have become involved in the project. Of the pharmacies involved, 44 are retail pharmacies and 13 are hospital pharmacies. Twenty-nine (55 percent) of North Dakota's 53 counties are involved in the project, along with two in Minnesota. *Approximately 40,000 rural citizens have had pharmacy services restored, retained or established through the North Dakota Telepharmacy Project!* Besides restoring valuable access to health care in remote, medically underserved areas, this project has added about \$12.5 million annually in economic development to the local rural economy. The North Dakota Telepharmacy Project, with support from U.S. Sen. Byron Dorgan, has received congressionally mandated federal funding for the past four years totaling approximately \$2.5 million.

Congratulations to our NDSU Academy of Student Pharmacists (ASP) for winning two regional awards at the 2006 APhA Convention in San Francisco. (See story on page 14.) It was a great honor for our students and great recognition for the college, for NDSU and for North Dakota pharmacy.

I hope you enjoy our newsletter. If you have comments, stories to share or suggestions for future issues, please let us know. For more information about the college, visit [www.ndsu.edu/pharmacy](http://www.ndsu.edu/pharmacy).

**The Telepharmacy Program was recognized as the Outstanding Rural Health Program in the state. Pictured (front row, left to right): Provost Craig Schnell; Telepharmacy Coordinator Ann Rathke; John Skwiera, pharmacist-in-charge, Heart of America Medical Center, Rugby, N.D.; Patricia Hill, executive vice president, N.D. Pharmaceutical Association. Back row, left to right: Howard Anderson, executive director, North Dakota Board of Pharmacy; Dean Charles Peterson; Walter Spiese, pharmacist-in-charge, LaMoure (N.D.) Drug Store; David Scott, assessment specialist.**



Photo credit: Amanda Scurry, UND School of Medicine and Health Sciences

# Editor of pharmacy 'bible' addresses Class of 2006

If a graduating pharmacy student were to take advice from anyone, it would be pretty easy to take it from Joseph T. DiPiro. Ever since DiPiro's name began appearing on *Pharmacotherapy: A Pathophysiologic Approach* – the thick reference used by thousands of pharmacy students – educators and students alike have nicknamed the volume “DiPiro.”

So, when **Tricia Dissmore, PharmD '06**, and **Kim Ault, PharmD '06**, discovered DiPiro was presenting a poster at the 2005 American Association of Colleges of Pharmacy meeting in Cincinnati, they had to meet him. They'd spent four years hearing their professors say, “Check DiPiro. Read DiPiro.” Everything was DiPiro, as if he'd written the voluminous text by himself. And now there was DiPiro, in the flesh, the “rock star” of pharmacy education.

Turns out DiPiro is a gracious and sociable rock star. He asked the two women what they thought of the book, even asked for suggestions. And they got his autograph.

That night at dinner with the NDSU delegation, Dissmore and Ault told Dean Charles Peterson about their brush with the famous editor. Jokingly, Peterson suggested Dissmore should invite DiPiro to speak at their class' hooding ceremony. He told her, “If you can get him to come, you can introduce him.” And she did.

On May 12 DiPiro addressed the Class of 2006. And, as promised, Dissmore introduced him. Even as she read from his vita, Dissmore wondered how could one person do all this? DiPiro was 16 years old when he got his first job in a hospital pharmacy. He went on to graduate magna cum laude from the University of Connecticut, earn his PharmD at the University of Kentucky School of Pharmacy, and complete a post-doctoral research fellowship at Johns Hopkins University.

During his career he has written or edited 18 books and 25 book chapters and published 119 articles. He has worked as a clinical pharmacist and researcher in surgery, trauma and intensive care, and has taught for more than 25 years.

He first ventured into academic administration in Georgia, where he served concurrent appointments as assistant dean for pharmacy programs, clinical professor of surgery and director of surgical research at Medical College of Georgia School of Medicine, Augusta, and assistant dean and head of the Department of Clinical and Administrative Pharmacy at the University of Georgia College of Pharmacy, Athens. In 2005, DiPiro was named executive dean of the newly integrated South Carolina College of Pharmacy, which spans campuses in Columbia and Charleston.

With all those credentials, the journal editor certainly caught attention of the soon-to-be pharmacists gathered in NDSU's Bentson/Bunker Fieldhouse.



**Joseph DiPiro signs a copy of “Pharmacotherapy: A Pathophysiologic Approach,” for new graduate Mohammed Aseeri.**



In an interview prior to the address, DiPiro said the point he would stress was “not to let your future just happen to you. That you plan ahead and make the kind of commitments that will make you a better health professional.”

Standing before the 88 graduates, DiPiro urged them to commit to life-long learning and to set long-term goals. “Commitment to a long-term goal is one of the few ways people accomplish big things,” he said. “I have always been impressed by how much can be accomplished by a committed individual in a couple of hours per week over a long period of time.”

He also spoke of the great rewards that can come from the profession. “I am not talking about money,” he said, “but the privilege to be in a profession where what you will do will result in a patient saying ‘Thank you. I don't know what I would have done if you had not helped me.’”

“You can be assured that there are enough big needs and issues with medicine to keep all of us engaged in an important and meaningful way. The more perceptive you are of people's needs, and if you commit yourself to a life of learning, the better the health professional you will be.” □

Catherine Jelsing

# Spahn scholarship designed to help married students

No one wanted to be a pharmacist more than Mike Spahn. He was 14 years old and working for Dremmer Drug in St. Paul, Minn., when he told a friend that someday he'd be a pharmacist working behind his own drug store counter.

Throughout high school and later in college, Mike worked for local pharmacists until NDSU's College of Pharmacy admitted him to its program. He moved to Fargo, leaving his wife, Patty, behind so she could keep her teaching job in the Twin Cities.

The ink was barely dry on Spahn's 1978 diploma when he purchased Grandview Pharmacy in St. Paul. Over the course of his career, Mike would receive enticing offers from national chains, but he believed in the independent corner drug store. Providing personal, professional care to his customers made him feel like he was making a difference. He lived the advice he gave others: "Always do the right thing and what is in your heart."

Mike operated his own store for about nine years and then went to work for Mike Kelly at Pro Pharmacy in St. Paul. Life was good. Patty and Mike had three daughters, Lori, Molly and Kristy, who doted on their fun-loving father. When he wasn't spending time with his family or working at the pharmacy, Mike usually could be found golfing. He threw every inch of his 5-foot-4-inch frame into the game and was known for purchasing unique clubs from infomercials and the Internet.

Charismatic, quick-witted, the life of the party, "Spahnie" was all energy and enthusiasm for life. So it seemed inconceivable that in 1993 he should be diagnosed with non-Hodgkin's lymphoma. Physicians aggressively attacked the cancer, removing Mike's lymph nodes and treating him with chemotherapy. But three years later, the cancer returned. This time they fought it with stem cell therapy followed by an experimental drug. For several years the cancer remained in remission, but then one day the treatment stopped working.

Within eight weeks, Mike was gone, leaving a huge hole in his family, his circle of friends and the community he'd served as a pharmacist. Almost immediately, lifelong friend Chuck Gerber and others began planning a golf tournament to honor Mike's memory.

In September 2004, a year after Mike's death, 128 players teed off in the first annual Mike Spahn Memorial Golf Tournament at



**Patty and Mike Spahn wanted to create a scholarship that would support married pharmacy students. Pictured are, left to right, Krista, Patty, Mike, Molly and Lori Spahn.**

Keller Golf Course in St. Paul. Another 60 people or more joined the golfers at the end of the day for a silent auction and dance. They raised \$25,000 and gave the money to Mike's daughters to help them pay down their college loans.

In 2005, the golf tournament committee donated half the tournament proceeds to the University of Minnesota Medical Center's Fairview Oncology/Hematology Unit. With the other half they established the Mike Spahn Memorial Scholarship at NDSU.

The scholarship is something the Spahns had discussed over the years. "It was extremely difficult for them financially when Mike was going to school and Patty was working down here," Gerber said. "So, they decided if there was a way they could give back to the school and in some way support married students in the same situation they had been in, that's what they wanted to do."

The first \$10,000 will be awarded in 2006-07. "The Mike Spahn Memorial committee wanted to give enough so it would really help them," Gerber said.

Plans are underway for the third annual Mike Spahn Memorial Golf Tournament. For more about the tournament and the NDSU alum who inspired it, visit [www.mikespahnmemorial.com](http://www.mikespahnmemorial.com). □

Catherine Jelsing

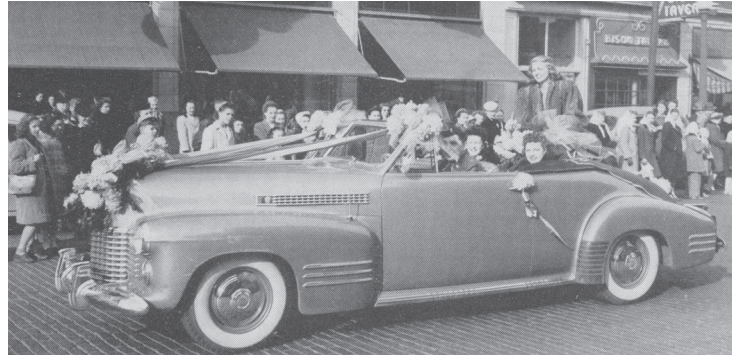
## ■ A LOOK BACK

by Muriel Vincent



The word “Homecoming” stimulates many diverse and vivid thoughts ... the parade, the marching band, the dance and the all-important football game. Well, would you believe that Homecoming hasn’t changed that much? There is still the parade (the floats are not the ones we spent hours manicuring, however, they are still cheered by students); the marching band is sharp and energetic as ever; the all-alumni dance is festive and even accommodates with music all can enjoy; and the football game continues on an even greater playing field as Division I.

While Homecoming was not an event high on my calendar, it was a highlight of most of our students as well as faculty during our 100-plus years of being a part of NDSU. Consider being associated with some of the activities this Oct. 13 and 14. It will



**This photo, from the 1946 Bison yearbook, shows 1945 Homecoming Queen Irene Gunvaldsen riding in style during the parade.** *Courtesy of University Archives.*

be a chance to visit with former or fellow students as well as former faculty and fellow teachers. Please see the calendar of events on the back cover to learn more.

Professor Emeritus Muriel Vincent retired from NDSU in 1987, after 31 years at NDSU. To share a memory of your time at NDSU, please contact Cynthia Hanson at (701) 231-6461, [Cynthia.Hanson@ndsu.edu](mailto:Cynthia.Hanson@ndsu.edu), NDSU College of Pharmacy, Nursing, and Allied Sciences, 123 Sudro Hall, Fargo, ND 58105-5055.

## ■ WHERE ARE THEY NOW?

### Ozbun keeps busy following retirement

Popular pharmacy instructor Judy Ozbun has enjoyed a full and active lifestyle since retiring in 1997 after 35 years at NDSU.

She still lives in Fargo, where she volunteers regularly at her church, the American Cancer Society and wherever else she may be needed. Her hobbies include painting and decorating birdhouses, miniature watering cans, baskets and pitchers. She also keeps healthy by visiting the gym three times a week.

Once a year, she outfits a dozen teddy bears with clothes she’s sewn for the State Bank of Fargo’s annual “Toys for Children”

Christmas giveaway. Summers, you’ll find her outside, planting, watering and tending flowers in her garden.

Ozbun says she also likes to take friends who no longer drive out on errands or for lunch. “It is great to get together with former students and classmates as I have been able to do on a regular basis,” she says. □



**Ozbun**

Cynthia Hanson

### NDPhA student auction held in Dickinson



**(LEFT) A SUCCESSFUL EVENT:** Jim Carlson works the auction. Thanks to our auctioneers Jim Carlson and Harvey Hanel, who entertained us to tears. Through the benevolent bidding of N.D. pharmacists and alumni, the auction raised a record-breaking \$16,578. You are the best!

**(RIGHT) AUCTION ACTION:** Auctioneer Harvey Hanel displays a historic ribbon hanging during the NDPhA Annual Convention Student Auction in Dickinson, N.D.

## ALUMNI NEWS

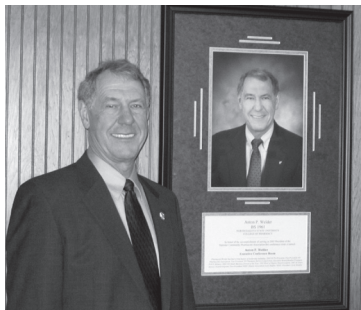
### Conference room named for former NCPA president

In honor of his service as 107th president of the National Community Pharmacists Association, the college has named its executive conference room for **Anton P. Welder, BS '61**.

Dedication ceremonies were held March 29. Speaking on behalf of students, **Phillip Breker, P3**, spoke of seeing Welder in action, both as a guest speaker on campus and at three national NCPA conventions.

"This dedication is fitting for a man who is devoted to his calling and loves his occupation," Breker said. "May this room serve as a reminder for generations to come of hard work, integrity and a gentleman who impacted the practice of pharmacy."

Welder completed his one-year term as NCPA president in October 2005.



**Tony Welder poses with the dedication plaque on display in the executive conference room named in his honor.**

### Johnson graduates top of her class

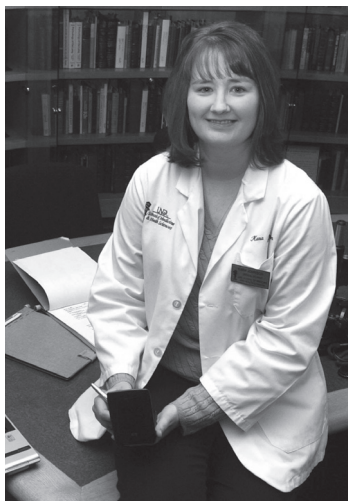
When **Kara (Brakke) Johnson, PharmD '98**, started medical school at the University of North Dakota, she was pregnant with her daughter, Elyse. In May, Johnson graduated at the top of her class. There to help her celebrate were husband **Garret Johnson, PharmD '99**; Elyse, now 3; and son, Aiden, not yet 1.

Med student, wife and mother of two: no wonder some call Johnson "superwoman." But Johnson didn't even realize she was leading her class until the summer of

2005, when she earned the most prestigious scholarship available to UND medical students: The Gustav Golseth, M.D., and Wesley Morrish Medical School Scholarship, worth \$12,000.

Johnson attributes her success to her supportive husband, consistent study habits and determination. She had worked as a clinical pharmacist for a few years, when she realized she was more interested in what the doctors were doing.

"I knew I had to follow my dream and apply to medical school," she said. Her pharmacy experience, she said, made achieving that dream just a little bit easier. She plans to go into internal medicine and hopes to practice in North Dakota.



**Kara Brakke Johnson was top of her med school class.** Photo courtesy of UND

### Lee touches base at alma mater

**Henry Lee, BS '79**, stopped by the college for a visit this summer with his son, Daniel. Since 1981, Henry has lived in Toronto, where he owns an independent pharmacy, 9-Eleven DrugMart. Henry works with two other pharmacists. His wife, who is also a pharmacist, manages the store. Henry had a message for a former classmate: "Hello Steve, without you I couldn't have graduated from the school of pharmacy. Thank you! Please call me. The number is 416-221-6444."



**Henry Lee visits campus.**

### Experience, maturity influence pharmacy students' attitudes

Non-pharmacy students at NDSU have more consumeristic ideas about education than pharmacy students. That's what recent graduates **Tricia Dissmore, PharmD '06** and **Erin Westby, PharmD '06**, found when they measured students' feelings of entitlement toward education.

Under the direction of Donald Miller, professor and chair of the Department of Pharmacy Practice, Dissmore surveyed P1s, P2s and P3s in their classrooms and did an online survey of her fellow P4s. Upon completion of her academic rotation with Miller, Dissmore passed her results on to Westby. Westby then presented the same survey to non-pharmacy students.

The researchers found pharmacy students were less consumeristic in their attitudes toward education as they progressed in the program. "By the time they were P4s, they felt they had to put effort into their work and earn their diplomas," Dissmore said.

Non-pharmacy students were more likely to view their education as a product. "Like buying a car, if they paid a lot of money, they expected a topnotch education," Dissmore said. Pharmacy students, by contrast had higher expectations of their professors, many expressing the belief that they should have a say in their instructors' hiring or firing.

Dissmore, Westby and Miller presented their results in a poster, titled "Would You Like a Degree With That? A Survey of Student Consumeristic Attitudes," at the American Association of Colleges of Pharmacy annual meeting in San Diego in July. While the recent grads were unable to attend, Miller said the poster was well received, noting that a faculty member at a private school would like to use the survey questions to compare student attitudes at private vs. public pharmacy schools, which could lead to a collaborative project. A paper on the research is planned.

## ALUMNI NEWS



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**1 APhA CONVENTION:** Left to right: Mark Gonitzke, BS '77; Dr. Pat Hill, Executive Vice President, N.D. Pharmacists Association; Paul Iverson, BS '82; Fred Ishizaki, PharmD '00; and Clint Dworshak, PharmD '00, enjoyed visiting at the APhA Annual Convention in San Francisco.

**2 APhA CONVENTION:** Kathy Seifert, BS '75, and Wanda Kearney, BS '75, smile for the camera at the Dakota Reception of the APhA Annual Convention, held March 19 in San Francisco.

**3 SCOTTSDALE RECEPTION:** A reception for alumni from 1980 to 2005 was held Feb. 16 at Fox Sports Grill in Scottsdale, Ariz. The hosts were Scott (BS '83) and Lisa Johnson and Doug (BS '87) and Kim Statler.

**4 THREE CLASSES; ONE REUNION:** Classes of 1946, 1951 and 1956 and their spouses gathered on the NDSU campus for a special 50-year reunion. They include (back row, left to right): Fred Baillie, BS '54; Glenn Brown, BS '50; Tom Pettinger, BS '56; Jon Holcombe, BS '56; Monte McAtee, BS '56; Ken Wedul, BS '56; Duane Vad, BS '56; Harvey Lillestol, BS '56; Kathleen Wedul; Ruth and Don Ljungren, BS '56; R.J. Ronholm, BS '56; Al, BS '56, and Audrey Schuhmacher; Gloria Irsfeld. Front row, left to right: Irene Baillie; Marge and John Lommel, BS '56; John Southam, BS '56; Roberta Southam, BS '58; Ruth and Jerry Johnson, BS '50; Dick Maves, BS '56; Paul Irsfeld, BS '56.



**Robert Moe, 76, BS '51**, died March 22 in Northwood, N.D. Moe began his career at Vold Drug Store in Grand Forks, where he later became the owner. In 1981, he sold the business to **Marvin Wall, BS '54**, who changed the name to Wall's Medicine Center. Wall later sold the business to current owner **Dennis Johnson, BS '67**. Moe and his wife, Ruth Ann, continued to work at Wall's after he sold the company. He was a former member and past president of the North Dakota Pharmaceutical Association.



Moe

Fellow pharmacy alumni remember Moe with fondness. "Bob was my 'pledge father' at Kappa Psi about 1950 ... I remember him as a scholar and a good friend," **Ray Stoltenow, BS '52**, wrote in Moe's guest book. **Jerome Saylor, BS '58**, and his wife JoAnn wrote: "Jerry and I had the privilege of working with Bob at Vold's Drug. Jerry learned to respect Bob's abilities and learned a lot from him."

**Jerome Dufault, BS '54**, and his wife Jane wrote: "Our memories of the good times (with Bob) at pharmacy gatherings will always be with us."

Moe is survived by his wife and three children.

**Jerome E. "Jerry" Neal, 83, BS '51**, died March 2 in Fairmont, Minn. He served as a Merchant Marine in the American, European and Asiatic Theaters from 1942 to 1946. After graduating from NDSU, he joined Jim Gardner at Gardner Pharmacy, Fairmont, where he remained until it was sold in 1970. Neal loved music and was an avid member of a barbershop group in Fairmont and also in Punta Gorda, Fla. He also played roles in the Fairmont Civic Summer Theatre's productions of "The Music Man," "Guys and Dolls," and "South Pacific." He is survived by his wife, Lois, and their three children.

**John Bergs, 80, BS '53**, died June 20 in Rochester, Minn. He served as a medic in the U.S. Army before attending NDSU. He and his wife Marion bought the Clarissa (Minn.) Drug Store in 1954. They sold the store in 1987, although Bergs continued to work at that store and many others until recently. He was involved in the National Community Pharmacists Association and the Minnesota Pharmacist Association. In 2004, he was honored for 50 years of pharmacy. He is survived by his wife and four children.

## NDSU Pharmacy Continuing Education Opportunities

For more information on the following opportunities, contact Tara Schmitz, director of continuing education, at 701-231-6733, [Tara.Schmitz@ndsu.edu](mailto:Tara.Schmitz@ndsu.edu) or Carol Jore at 701-231-7589, [Carol.Jore@ndsu.edu](mailto:Carol.Jore@ndsu.edu).

### Live presentations

#### September- date TBD

##### **Update on Medicare Part D via IVN sites**

#### October 13

##### **NDSU homecoming seminar**, Ramada Plaza, Fargo

Topics include new developments in diabetes, pain management, chronic kidney disease, influenza/pneumonia in the elderly and medication therapy management.

##### **(Gallipot) The art of compounding**

Monthly Sessions in St. Paul, Minn., and Newport Beach, Calif.  
Contact: Etta 1-800-423-6967 or [ecoughlan@gallipot.com](mailto:ecoughlan@gallipot.com)

### Other opportunities

#### **Vaccinating adults and adolescents**

Become certified to give immunizations through an on-line course and a four-hour live presentation. Contact Dr. Patricia Hill at 701-258-4968, [phill@nodakpharmacy.net](mailto:phill@nodakpharmacy.net)

#### **Single-theme and multi-theme homestudy courses** featuring four NDSU authors

##### **Hawaii travel seminar**

[www.ndsu.edu/pharmacy/alumni/travel.html](http://www.ndsu.edu/pharmacy/alumni/travel.html)

##### **Vacation seminars** [www.univlearn.com](http://www.univlearn.com)

##### **Bioterrorism** [www.bordersalertandready.com](http://www.bordersalertandready.com)

##### **Various topics** [www.nodakpharmacy.net](http://www.nodakpharmacy.net)

For more information, visit our Web site:

[www.ndsu.nodak.edu/pharmacy/alumni/continuinged.htm](http://www.ndsu.nodak.edu/pharmacy/alumni/continuinged.htm)

## ■ FOCUS ON RESEARCH

# My career path: From studying tigers to researching cancer

By Satadal “Satu” Chatterjee

Associate Professor of Pharmaceutical Sciences

My friends lovingly called me “Jungle Boy” in college, which might seem an odd nickname for a future physicist. But I began my journey as a scientist studying pheromones in wild tigers in the jungles of India.

During the course of my studies in college, I was blessed to come into contact with many world-renowned physicists, including Nobel laureates. These great minds inspired me to try to comprehend the riddle of life.

After completing my doctorate in physics at Saha Institute of Nuclear Physics at the University of Calcutta in 1986, I decided to devote myself to cancer research. I took a position at Ireland Comprehensive Cancer Center at Case Western Reserve University in Cleveland.

Case is where I became interested in understanding a molecule known as poly(adenosine diphosphate ribose) or p(ADPR). P(ADPR) is synthesized by an enzyme p(ADPR)polymerase (PARP) using its sole substrate, nicotinamide adenine dinucleotide (NAD). NAD is primarily synthesized in humans from vitamin B3 niacin/nicotinamide. Pellagra is a systemic disease of niacin deficiency, which became epidemic in the 1700s causing many deaths.

Although p(ADPR) was identified a long time ago, its function in cellular processes – in particular DNA repair – was controversial. I thought this dilemma could be resolved if I could generate a cell line that lacked either the enzyme PARP or its substrate NAD. Then these cells wouldn’t produce p(ADPR) and it would be much easier to decipher its role. For example, one can appreciate – with great respect – the function of one’s hands if they have been amputated.

But when I presented this idea to my esteemed colleagues, they advised me that life is not an equation like it is in physics. Further, they reminded me that scientists had unsuccessfully spent 30 years trying to discover cells without PARP. The literature showed cells cannot survive without NAD.

I listened to everybody, but turned a deaf ear and for three years pursued the equation from the standpoint of physics. I worked 18 to 20 hours a day and still had no results worth publishing. Finally, the hard work paid off in the detection of cells that help decipher the role of p(ADPR), which opened new avenues for research. I also found that interferences with PARP metabolism up-regulates a series of stress proteins and down-regulates tumor suppressor gene p53 and DNA topoisomerase II, an enzyme involved in DNA replication and repair.

These research results led to some public recognition, including a young investigator award from the American Cancer Society; a FIRST award from the National Cancer Institute/National



Chatterjee

Institutes of Health; and a Lung Cancer Prevention Award from the American Institute of Cancer Research.

Today my research focuses primarily in four areas. I’m investigating the role of glucose-regulated stress proteins GRP78 in enhancing cancer chemotherapy, using a molecular genetics and proteomics approach. I’m looking at the function of DNA topoisomerase II in DNA repair. I’m identifying the molecular mechanisms of breast and prostate cancer. And I’m looking at ways to prevent lung cancers induced by tobacco smoking.

Our department is developing a cancer focus. Some of my colleagues also are engaged in cancer research, striving to improve the efficacy of cancer chemotherapy by identifying molecular targets. And, under the leadership of our chair, Dr. Jagdish Singh, we are gradually developing what could become a cancer research center at NDSU.

This past year a resident from MeritCare’s Roger Maris Cancer Center worked in my lab and there is potential for more collaboration with MeritCare. By significantly upgrading our research infrastructure, we would have a good chance of attaining major funding from the NIH/ National Cancer Institute.

The biggest change for me, since joining the faculty in 2004, has been teaching pharmacy classes and supervising graduate students. Before I came here I trained only medical doctors and postdoctoral fellows. I try to keep my classes current, using no textbook, but scientific magazine and journal articles instead. And I like things informal. I tell everyone to call me “Satu,” which I much prefer over Dr. Chatterjee, and I address students as “my friends.” Last semester I surprised my Pharmacodynamics/Applied Therapeutics class with a “Late Morning Show.” I put on a Ray Charles CD, played “Hit the Road Jack,” and then told some pharmacy jokes along with some political jokes, which I tried very hard to keep balanced. They seemed to enjoy it.

## ■ FACULTY/STAFF NEWS

### Frenzel receives grant for new software

**Jeanne Frenzel, PharmD '03**, assistant professor of pharmacy practice, along with pharmacy faculty members **Kimberly Vess Halbur, Larry Patnaude, PharmD '01**, and **Ross Wilhelm, PharmD '98**, were awarded the 2006 District 5 study grant from the National Association of Boards of Pharmacy and American Association of Colleges of Pharmacy.

The \$3,000 grant will provide project support for the use of electronic medical records software and personal digital assistants in the Thrifty White Concept Pharmacy. While PDAs were introduced to pharmaceutical-care courses last year, this grant will help integrate EMR software, allowing students to access patient statistics, medical problems, allergy details and lab reports on their PDAs. This technology will help prepare students for the implementation of electronic prescribing established by the Medicare Modernization Act.

### ASP honors Wendy Brown

**Wendy Brown, PharmD '01**, assistant professor in pharmacy practice, was awarded the 2005/2006 Friend of ASP Award for her work and dedication to NDSU's Academy of Student Pharmacists.

Brown was instrumental in getting ASP involved in several patient care projects in Fargo including the Salvation Army, the Native American Center, Churches United for the Homeless and The New Life Center. As a result of her help, NDSU's ASP chapter received an award at the 2006 ASP National Convention in San Francisco for Operation Diabetes Regional Patient Care Project.

In addition to teaching and volunteering, Brown has a clinical pharmacy practice and works with asthma patients at the Family Health Center in Fargo.



Brown

### Halbur elected regional chair of group

**Kimberly Vess Halbur**, assistant dean of student affairs, was elected regional chair for the National Academic Advising Association (NACADA) North Central Region 6. She began the two-year position in October.

Halbur will represent and provide leadership to the region's membership, facilitate networking opportunities and member recruitment, identify needed membership services for the region, establish and maintain a regional governing structure and oversee regional conferences and professional development opportunities.



Halbur

### Guo reviews proposals for cancer research

**Bin Guo**, assistant professor of pharmaceutical sciences, was invited to participate as a peer review panel member at the 2006 Congressionally Directed Medical Research Program in Washington, D.C., in August. His panel reviewed research grant proposals submitted to the Department of Defense Breast Cancer Research Program.

Last summer Guo received a \$105,750 grant from BCRP for his proposed research titled, "A Novel Membrane-Permeable, Breast-Targeting, Pro-Apoptotic Peptide for Treatment of Breast Cancer."

### Research featured in national journal

**Justin Welch, PharmD '98**, assistant professor of pharmacy practice, had a research manuscript published as a feature article in the April 2006 issue of *Hospital Pharmacy*. Welch co-wrote "Association of Mortality Risk with High Serum Digoxin Concentrations (SDC)," with **Susanne (Denault) Rising, PharmD '03**, and **Ji Koo, PharmD '91**.

Their study compared the risk of mortality in patients with SDCs less than 1.2 ng/mL to patients with SDCs of 1.2 to 2 ng/mL. After studying 261 male patients, the results indicated that high SDC significantly increased the risk for mortality.

### Professors publish professional development modules

**Donald Miller**, professor and chair of pharmacy practice, and **Cindy Naughton, PharmD '96** assistant professor of pharmacy practice, both published continuing education modules for Pharmat, Inc., a non-profit corporation that produces educational material for schools of pharmacy and other health-related professions.

Miller's module, which pertained to osteoporosis, and Naughton's, which focused on chronic kidney disease, were published in March. Each module is certified for four hours of continuing education credit.



Miller

### Former chair dies at 74

**James Vacik, 74**, died April 17 at a family home. Vacik formerly was chair of the Department of Pharmaceutical Sciences. He also was the retired director of environmental safety at the University of South Alabama, Mobile. A native of North Judson, Ind., Vacik was a Korean War veteran. He and wife Dorothy lived in Mobile. Vacik is survived by his wife and six children.



Vacik

## ■ FACULTY AWARDS

Stephen O'Rourke, associate professor of pharmaceutical sciences, was named 2006 Teacher of the Year by students in the professional program. Each year, students write essays to nominate faculty members who demonstrate outstanding performance and commitment to teaching. Representatives from each class then review the essays and select the top teacher.

**Cynthia Naughton, PharmD '96**, assistant professor of pharmacy practice and clinical specialist at the Family Practice Health Center in Fargo, received the 2006 Faculty Preceptor of the Year Award. The honor represents outstanding performance and commitment by a full-time faculty member in instructing students on clinical rotation. It is selected by fourth-year students in the professional program.

**Steven D. Boehning, BS '91**, a community pharmacist practicing at Linson's Pharmacy in Fargo, was named 2006 Adjunct Preceptor of the Year by the graduating seniors. The award represents outstanding performance and commitment by a practicing pharmacist who instructs students on clinical rotations.



**Pictured (left to right): Marjorie McCullagh, Steven Boehning, Cynthia Naughton and Stephen O'Rourke were honored at the 2006 Hooding Ceremony.**

Marjorie McCullagh, associate professor of nursing, received the 2006 College of Pharmacy Researcher of the Year Award. This honor is presented to a faculty member for outstanding achievement and innovation in research.

## ■ NEW STAFF

Jean Trautmann is administrative secretary for the Department of Pharmaceutical Sciences. She provides support for graduate students and their research endeavors. She was previously the administrative secretary for the Office of International Programs at NDSU. Trautmann enjoys spending time with her family, which includes daughters, Jessica and Kari, and husband Clyde.



**Trautmann**

## ■ NEW FACULTY

Sanku Mallik is an associate professor of pharmaceutical sciences. He returns to NDSU after working as an associate professor in chemistry at the University of Central Florida, Orlando, for one year. He previously worked in NDSU's chemistry department from 1998 to 2005.



**Mallik**

Mallik earned his bachelor's in chemistry from Indian Institute of Technology in Kharagpur in 1987 and his doctorate in organic chemistry from Case Western Reserve University in Cleveland, Ohio, in 1992. He did postdoctoral work in medicinal chemistry at the California Institute of Technology in Pasadena from 1992 to 1994 and was a senior research fellow there from 1994 to 1995.

His research interests include design and synthesis for enzymes involved in pathological conditions, and development of liposomal drug delivery stems with built-in triggered release mechanisms. He has published 28 research articles and in 1997 he received the CAREER Development Award from the National Science Foundation.

## Students help seniors sign up for Medicare Part D

In January, only 8,000 to 9,000 North Dakota senior citizens had signed up for the government's new prescription drug benefit, Medicare Part D. Under the direction and support of the Fargo Senior Commission, NDSU pharmacy students helped numerous seniors become eligible for coverage.

During each semester, students in their professional years of pharmacy school work within the community on a service-learning project. During spring semester 2006, the second year pharmacy students participated in the Medicare Part D project.

Working with the commission, each student spent a total of 10 hours in the Cass County Annex computer cluster decoding the complex sign-up process for seniors and answering their

questions. Experimental program director and lecturer **Wanda Kearney, BS '75**, coordinated the volunteer effort and also trained the students. "As far as I'm concerned, there was no better way for our students to get involved in the community," said Kearney.

Today, out of the nearly 104,000 eligible seniors, more than 83,500 have Part D coverage. (Number includes seniors automatically enrolled.) North Dakota Insurance Commissioner Jim Poolman credits volunteer groups for the increase. "Our success is absolutely due to the outreach efforts and support of volunteers across the state. The pharmacy students at NDSU were critical to our success and I thank them for all their hard work," Poolman said. □

Linsey Hegvik

### By the numbers... Post-graduation employment statistics

#### Spring 2006

Graduates responding: 88.6%

#### Practice setting:

- Retail/community: 56.4%
- Hospital/clinic: 16.7%
- Residency: 17.9%
- Military/HIS: 1%
- Industry: 1%
- Graduate school: 0
- No position at this time: 7%

#### Salary averages:

- Retail: \$93,905
- Hospital/clinic: \$87,240
- Residency: \$38,250

#### States where practicing:

- North Dakota: 50%
- Minnesota: 28.6%

#### Other: 21.4%

- Tennessee(1);Montana (1);
- Colorado (2); South Dakota (2);
- Wyoming (1); Michigan (1);
- Iowa (1); Oregon (1); Nebraska (1);
- Arizona (2); Texas (1); Wisconsin (1);
- Kansas (2); Undecided (1)

#### Location of position:

- Rural: 24.7%
- Urban: 75.3%

Average student loan debt: \$47,500



James Stage celebrated his graduation with his daughter.

155 students applied for admission 2006-07 for 85 slots.

## NDSU hosting Kappa Psi conclave during Homecoming

Kappa Psi Pharmaceutical Fraternity will gather for its fall conclave Oct. 13 and 14 in the Ramada Plaza Suites and Conference Center, Fargo.

"We have a regional meeting twice a year and it just happens that the conclave we are hosting falls on NDSU's Homecoming," said **Jessina Moe, a P3** and co-new-member recruiter for NDSU's Beta Sigma chapter. She expects eight or nine chapters representing schools in North Dakota, South Dakota, Minnesota, Iowa and Nebraska will attend.

The conclave will open at 8 p.m. Oct. 13 with a social hour and theme dance. The business meeting will convene at 9 a.m. Oct. 14 and continue until around 1 p.m.

The evening's activities on Oct. 14 will include a social at 5:30 p.m., followed by a banquet at 6:30, and a second theme dance at 9 p.m.

Featured speaker at the banquet will be Dr. James Carlson, president and CEO of PRACS Institute. Cost of the banquet is \$20 per person. Reservations can be made by contacting Moe at 701-235-0162 or Jessina.Moe@ndsu.edu. All social events are open to members, invited guests and NDSU pharmacy alumni.

Kappa Psi furthers the pharmacy profession by supporting students as they go through pharmacy school, providing networking opportunities and encouraging pharmacy-related philanthropic projects.

## ■ STUDENT NEWS

# ASP wins two regional patient-care awards

By *Brianne Kent, ASP member*

In the 2005-06 academic year, the NDSU chapter of American Pharmacists Association Academy of Student Pharmacists launched a program to reduce prescription errors, won two awards and worked to bring patient-care initiatives to those populations that needed them most.

We continue to build our relationship with the state association. This year, in coordination with the association, we launched the Pharmacy Quality Commitment program. Our members were educated on this online program designed to help pharmacists reduce prescription errors and near misses in their daily operations. At the state convention, our members began selling the programs to North Dakota pharmacies.

Nationally, our chapter continues to participate in collaborative efforts to educate the public on health-related issues. The three national patient-care initiatives are Operation Diabetes, Operation Immunization and the Heartburn Awareness Challenge. This past year's focus was incorporating diversity into our patient-care initiatives. Through brainstorming and defining what diversity means to our chapter and the state, we defined our goals and targeted specific populations. Operation Diabetes focused on Native Americans, migrant farm workers and the homeless. Heartburn Awareness focused on expectant mothers and senior citizens. Operation Immunization targeted college students and the elderly.

We then formed community partnerships to reach these populations. Our partners include **Wendy Brown, PharmD '01**, Migrant Health Services, Inc., the NDSU Wellness Center, Osco Drug, the NDSU anthropology department and Mothers of Multiples. Through their support, we brought home two of the three Patient



ASP members toured the sights during the national convention.

Care Project Awards for Region 5 from the national convention in San Francisco: the Heartburn Awareness Challenge Award and the Operation Diabetes Award. The 15 students attending the national meeting returned to NDSU with the excitement, determination and ideas to work toward winning all three categories next year.

Our national goal for the next year is changing the perception of pharmacy. Our chapter has formed a media relations committee to help get the word out about the positive impact pharmacists can have on patients and the numerous services pharmacies have to offer.

## Christian pharmacists host many events

By *Krista Berge, CPFI member*

Christian Pharmacists Fellowship International had a great year in 2005-06. We had relevant and applicable Bible studies during many of our regular meetings. We also had fun carving pumpkins in the fall, making cookies for our Valentine's Day bake sale, hosting a Cinco de Mayo party, and working with PULSE (a local student-led evangelistic movement) to organize outreach events for area students in medical fields. In addition, we worked with both Eventide Nursing home and HERO to set up volunteer activities for the year.

Although we aren't sending anyone to the national convention this year, we did send three NDSU students to the convention in 2005. They spoke highly of the event, and they brought back great ideas for NDSU's chapter.

Finally, during the first week of fall semester, CPFI traditionally hosts a picnic outside of Sudro Hall. Everyone is welcome!

For more information about the picnic or our organization, contact [Krista.Berge@ndsu.edu](mailto:Krista.Berge@ndsu.edu) or (701) 361-7648. CPFI is growing, and we hope to see it continue to grow in the future.

## BUILDING TOGETHER

It is summer and the sounds and sights on campus have changed. The students milling about are now high school students sampling "campus life" during camps and conventions, as well as freshmen on their orientation pilgrimage. Inside the college, sounds of students shuffling in the hallways have been replaced with ringing hammers and squealing drills as workmen uproot the 1970s-era seats and carpet from three classrooms. They'll replace the outdated furnishings with theatre seating and state-of-the-art-equipment, which will enhance learning and accommodate the growing student population we expect for 2006-2007.

Looking back over spring and summer, we've enjoyed hearing from alumni and friends and catching up at gatherings in San Francisco, Arizona and Fargo. Several groups not only got together, but also gave funds for student scholarship support. The class of 1956 is halfway to its \$10,000 goal for a scholarship in its class name. (For more information, contact **Harvey Lillestol** at [hillestol@aol.com](mailto:hillestol@aol.com).) And a record-breaking \$16,578 was raised in scholarship support during the NDPhA convention! Many thanks to all who contributed.

The Pharmacy National Advisory Board, initiated in October of 2003, met this past spring and elected **Fred Paavola, BS '70**, as new chair and **John Wold, BS '66**, as vice-chair.



Hanson

Our thanks to **Ryn Pitts, BS '71**, for her excellent leadership while serving as chair. For further information on current board members, committees and bylaws, visit [www.ndsu.nodak.edu/pharmacy/advisoryboards/pharmacy/index.htm](http://www.ndsu.nodak.edu/pharmacy/advisoryboards/pharmacy/index.htm).

Our college not only has a new name, we have a new face by way of our Web site. Check out the latest alumni pages at [www.ndsu.edu/pharmacy/alumni/](http://www.ndsu.edu/pharmacy/alumni/). You'll find information about upcoming events, an alumni scrapbook with loads of pictures, Alumni News publications online, continuing education opportunities, a guide to giving, a place to keep us current with your contact information and more. Visit and send me your thoughts!

**Philip Haakenson** memorabilia is requested. The college plans to build a display cabinet in the Philip Haakenson Library, depicting his humor, hobbies and personal interests as well as his time as dean. Pictures or items you would like to donate would be appreciated. To avoid duplication, please contact me prior to sending items.

This fall and winter will bring opportunities to reconnect with former classmates and the college. Events are listed on the back page of this publication and on our Web site. I hope we will see you at one of them.

Cynthia Hanson  
Director of Advancement

## Dakota Club members January 1, 2005 - December 31, 2005

Members of the Dakota Club build professional excellence in pharmacy by supporting the NDSU Pharmacy Program. Join by making a minimum annual gift of \$100. Contributions fund a range of projects within the pharmacy program. To become a member, contact Cynthia Hanson at [Cynthia.Hanson@ndsu.edu](mailto:Cynthia.Hanson@ndsu.edu) or call (701) 231-6461.

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## DEVELOPMENT

### Thank you to our generous donors.

Our tradition of excellence in sustaining the highest-quality teaching, research and outreach programs is made possible through the generosity of alumni and friends listed. This honor roll lists all contributions to the college received during calendar year 2005 (January 1, 2005 - December 31, 2005).

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 Cynthia Hanson, Director of Advancement, by phone at 701-231-6461 or by e-mail at [Cynthia.Hanson@ndsu.edu](mailto:Cynthia.Hanson@ndsu.edu).

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## ■ IN MEMORY

# Malmberg known for generosity, support of NDSU

Charles D. Peterson was just getting started as dean of the College of Pharmacy when **Marvin Malmberg** stopped by for a visit. A member of the **class of '56**, Malmberg had a reputation for being a stalwart supporter of his alma mater.

As the two exchanged pleasantries, Malmberg said he'd heard Peterson was trying to raise some funds for the college. As the dean acknowledged that was one of his goals, Malmberg pulled out his checkbook. He scribbled in the blanks, ripped the check from the book, handed it to Peterson and said, "I wanted to do something for you and the college. I know how hard it can be to get something started. I hope this helps you in some way." The check was for \$25,000.

"I will never forget what he did for me that day," Peterson said. "I can't express how much that meant to me at the time and what a huge encouragement he was to me personally during my early days as dean."

On April 26 the generous, likeable, always professional Malmberg passed away in Tulsa, Okla., leaving a legacy of love for family, for pharmacy and for NDSU.

Malmberg took over as chief pharmacist for St. Ansgar Hospital in Moorhead in 1958, the same year he completed his master's in pharmacy administration at NDSU. In 1970, he went into business for himself, operating Medical Pharmacy Inc., in Fargo, until 1997. Even after his official retirement, he remained active in pharmacy, serving as a pharmacy inspector until June 2005, when he and his wife, Barbara, moved to Broken Arrow, Okla. His pharmacy license was valid until the day he died.

"The first memories I have of my father are of him getting called in by St. Ansgar's on weekends and his taking me along to the hospital," says daughter Peggy Rodenburg.



**Malmberg**

"He was always very patient in explaining things and from the time I was 8 told me what a great job pharmacy was for women, how flexible it was, how you could set your own hours." Of the six Malmberg children, Rodenburg came the closest to becoming a pharmacist, working alongside her father for 27 years as a pharmacy tech, delivery person and whatever other jobs came along.

"He was kind and generous with patients. He always took time to explain drugs and procedures to them," Rodenburg said. "He still had a few customers who were sending him a dollar a month to settle old bills."

Malmberg volunteered his time on the North Dakota State Board of Pharmacy, serving as compliance officer and as president in 1993 and 1999. He also served on the NDSU Pharmacy Advisory Board. For fun, one of Malmberg's favorite things was going to Bison football games. That practice started early, when wife Joanne and five kids were all living together in Bison Court. "We had a triple bunk bed, a baby bed and the new baby slept in a bassinette in the bathtub," Rodenburg says, "and he would take us all to the games."

A family man in a big way, in addition to his own children and their families, Malmberg was stepfather to wife Geri Schmit's seven children (they were married in 1986 and she predeceased him in death in April 2001); and stepfather to Barbara's four children (they were married in July 2002).

Several organizations and individuals have contributed memorials in Malmberg's honor. □

Catherine Jelsing

## ■ MEMORIAL GIFTS

### *In memory of Marvin Malmberg*

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# Pharmacy

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Fargo, ND 58105

## NDSU

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## 2006 Calendar of Events

### HOMECOMING SCHEDULE

#### FRIDAY, OCT. 13

**8 A.M.-5 P.M.** Pharmacy National  
Advisory Board Meeting  
*Sudro Hall*

**7:15 A.M.-5 P.M.** Continuing Education  
Seminar

Topics: Diabetes, pain management, chronic  
kidney disease, influenza/pneumonia in the  
elderly, medication therapy management

*Ramada Plaza Suites, Fargo*

Contact: Tara Schmitz, 701-231-6733,  
Tara.Schmitz@ndsu.edu.

**BEGINS AT 9 P.M.** All NDSU Alumni Social  
and Dance

*Playmakers, Fargo*

#### FRIDAY AND SATURDAY, OCT. 13-14

**Kappa Psi Pharmaceutical Fraternity  
'06 Fall Conclave (regional meeting)**

*Ramada Plaza Suites, Fargo*

Contact: Jessina Moe, 701-235-0162,  
Jessina.Moe@ndsu.edu.



#### SATURDAY, OCT. 14

**9:30 A.M.** Open House  
*Alumni Center*

**10 A.M.** Homecoming Parade

**11 A.M.** Alumni Tailgate Party  
*Near Fargodome (tickets available on site)*

**1 P.M.** Football Game  
NDSU vs. Mississippi Valley State  
*Fargodome (tickets, 701-231-6378)*

**5:30 P.M.** NDSU Bison Bidders Bowl  
*Holiday Inn, Fargo*  
(reservations required, 701-231-6841)

#### SATURDAY, OCT. 21

NDSU vs. University of Minnesota  
Pre-Game Party with Dean Charles Peterson  
*Metrodome West Plaza*  
(Game tickets, \$25, 701-231-6378,  
ask for NDSU block)  
Questions: Sara Tanke, 701-231-6800

#### SUNDAY, DEC. 3-THURSDAY, DEC. 7

ASHP Midyear Meeting  
Dakota reception  
*Anaheim, Calif.*

#### WEDNESDAY, FEB. 7- WEDNESDAY, FEB. 14, 2007

Hawaii Pharmacy Continuing Education  
Contact: Tara Schmitz, 701-231-6733,  
Tara.Schmitz@ndsu.edu

For more information on any of these events, contact Cynthia Hanson, 701-231-6461, Cynthia.Hanson@ndsu.edu

Visit [www.ndsu.edu/pharmacy/alumni](http://www.ndsu.edu/pharmacy/alumni) for additional information on these and other events.