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Symposium founders pleased with third gathering

Glenn and Duane Engebretson look as if the buttons could pop off their crisp dress shirts at any moment. Brimming with pride, the 82-year-old twin brothers tell how their plan to support collaborative pharmaceutical research has come to fruition through the Engebretson Symposium on Drug Discovery and Development.

The first symposium was held in 2000. The NDSU College of Pharmacy hosted the third one in May at Ramada Plaza Suites and Conference Center in Fargo. The Engebretsons have attended each event, mingling with pharmacy faculty and students from NDSU, the University of Minnesota-Twin Cities and the Mayo Clinic, Rochester, Minn.

The Engebretsons knew decades ago that they wanted to financially support cooperative

pharmaceutical research at the three institutions. North Dakota natives, the U of M graduates practiced pharmacy for 25 years in their hometown of Devils Lake, where they still spend summers. As for the Mayo Clinic, its relationship with the U of M made it a logical third in the research triad.

What pleases the brothers is that the symposium is only a foretaste of what they hope will be great things to come. A trust they established in honor of their parents, Elmer and Ethel Engebretson, funds the symposium. When the Duane and Glenn Engebretson Trusts are included at their passing, there will be enough money for the three institutions to do serious research, with much more money developing in the years ahead.

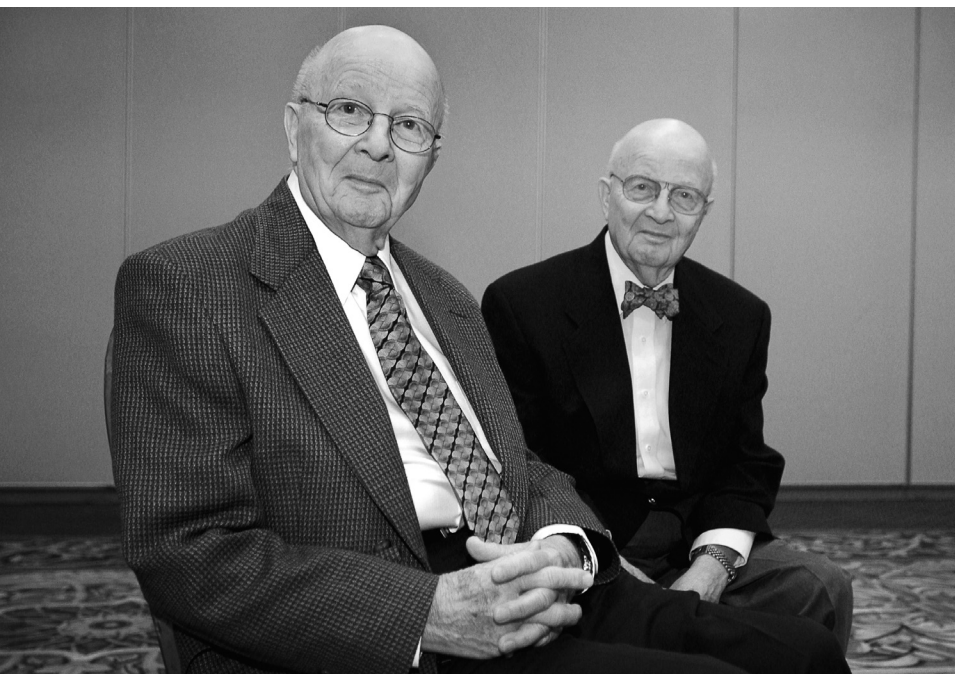
The NDSU symposium “turned out to be fabulous,” said Glenn. As evidence, he points to a man setting up a PowerPoint presentation at the other end of the great hall. “Dr. Horvitz was a Nobel Prize winner in 2002; he won for physiology and medicine; he’s with MIT.” When Robert Horvitz begins his remarks, he acknowledges the Engebretsons and again they beam with pleasure.

What excites the Engebretsons most, however, is hearing the symposium is working as a catalyst for action. “The head scientist at Mayo had to leave early, but he’s already had several inquiries from people who want to collaborate,” Duane said. “Ten heads are better than one you know.” And the brothers hope the symposium’s success will inspire others to follow suit “in some way or another.”

In the meantime, they are delighted with the idea of putting their life’s assets toward the future health of all people. In Duane’s words, “We are in great hopes it will be remarkable.”



Duane Engebretson, NDSU President Joseph A. Chapman, Pharmacy Dean Charles Peterson, and Glenn Engebretson were pleased with attendance at the NDSU-hosted symposium.



Duane (left) and Glenn Engebretson are proud sponsors of the Engebretson Symposium.

Engebretson Symposium one for the history books

NDSU has hosted two Nobel Prize winners in its 114 years, most recently as part of the Engebretson Symposium on Drug Discovery and Development at the Ramada Plaza Suites Fargo.

Hosting the symposium itself was a history-making event, as it was the first time the College of Pharmacy organized the gathering of scientists and students from its own campus as well as the University of Minnesota and the Mayo Clinic in Rochester, Minn. Dean Charles Peterson said, “I think we put together an exciting program which caught the eye of everyone who attended. Dr. Jagdish Singh is to be commended for his efforts in putting together an outstanding symposium and for bringing it this year to a whole new level of excellence.”

Founded three years ago by North Dakota natives and retired pharmacists Glenn and Duane Engebretson, the daylong symposium featured 10 formal platform presentations and 56 poster presentations. Approximately 200 people attended the event organized by Jagdish Singh, chair of pharmaceutical sciences.

Now that the symposium has made the rounds to all three institutions, Singh would like future symposiums to focus more tightly on specific topics and spotlight exceptional researchers. “Nobel laureate-caliber scientists always should be our aim for plenary lectures,” Singh said. “Bringing in great scientists for

plenary lectures provides our faculty and students greater enthusiasm and motivation to excel in science.”

Singh also thinks interaction between faculty and students at the three institutions could lead to collaborative research, “which would result in a strong grant writing ability and bringing more dollars to support research.”

This year’s featured speaker, H. Robert Horvitz, won the 2002 Nobel Prize for Physiology and Medicine for his discoveries concerning genetic regulation of organ development and programmed cell death.

Horvitz began his presentation by sharing a brief history of his research and concluded with his most recent, unpublished results. “There is a biology to cell death,” he explained, “and there is a pathology. Human disease is biology gone wrong.” Excessive cell death has been connected with diseases such as AIDS and stroke. Reduction in cell death has been associated with autoimmune conditions and cancer.

“Have I ever done cancer research? No,” Horvitz said. “But has the work I’ve been involved with had an impact on the understanding of cancer and even on therapy, absolutely yes.”

Interview with a Nobel laureate: Research paved the way

Unassuming in academic tweed, his dry sense of humor fully engaged, H. Robert Horvitz took time before his formal presentation at the Engebretson Symposium to talk about becoming a Nobel Prize winner and how the award has changed his life.

Growing up in Chicago, Horvitz dreamed of being many things, including a great baseball player, but not once did he pine for the Nobel Prize. He was expected to attend the University of Illinois, “like everyone else,” but the day of his Champaign-Urbana campus tour, Lee Harvey Oswald shot President John F. Kennedy. The tragedy derailed the visit and Horvitz ended up at MIT.

Horvitz was a senior, completing degrees in theoretical mathematics and economics, when he took his first college biology class. He’d thought about careers in law and medicine. “It was the late ’60s and I wanted to do something that seemed in some way relevant.” He craved the rigor of hard science, so — as “an experiment” — he began his graduate work at Harvard in biology.

The experiment had exceptionally positive results. Horvitz graduated with his doctorate in 1974. He went to England to do his postdoctoral work and met John Sulston and Sydney Brenner, with whom he now co-shares the Nobel Prize. He joined the faculty at MIT in 1978; became an investigator in MIT’s Howard Hughes Medical Institute in 1988; and was named the David Koch Professor of Biology in 2000.



Horvitz

It was Sulston and Brenner who introduced Horvitz to *Caenorhabditis elegans*, the microscopic worm Horvitz still studies today. In the words of Time magazine, Horvitz first captured the attention of the scientific world by using the *C. elegans* “to show death is so integral to the development of complex organisms that it’s programmed into each and every cell’s genes.” Even the cells of humans.

Exactly when or how many times Horvitz was nominated for the Nobel Prize, he doesn’t know. The entire process is conducted in secret, from the sending of some 2,000 letters soliciting nominations to the announcement of the nominees on the first Monday in October. “Only at that point are recipients informed that they’ve even been nominated,” Horvitz said.

The actual prize presentation on Dec. 10 was surrounded by a week of toasts, events and parties. And the afterglow remains strong. “It (being a Nobel laureate) has sort of an air of mysticism and star quality to it for people who don’t know you. People who knew me before know I’m the same person,” Horvitz said.

He now gets asked for autographs and autographed pictures (mostly by people from Germany). He makes appearances at fund-raising events; he’s visited two cancer centers in the past three weeks.

The Nobel Prize, however, won’t change the way Horvitz approaches his work. “The revolution we live in today in terms of biomedical research — genetic engineering, recombinant DNA — didn’t come out of people trying to make a revolution,” he said, “it came out of people doing exactly what I did in graduate school, working on viruses that affect bacteria, with no notion that there was a technology that was going to make a revolution both commercially and medically in the whole world.” □

■ A MESSAGE FROM THE DEAN

It has been yet another busy and productive year for the College of Pharmacy. Among some of our latest developments:

- The North Dakota Telepharmacy Project will receive its third year of federal funding for fall 2004. So far, NDSU has received \$1.7 million in federal grant support for this project, which uses pharmacy technicians and technology to provide pharmacy services to medically underserved communities in rural North Dakota. An article describing the project also was published in the 2004 January/February issue of the *Journal of Pharmacy Technology*.
- Thrifty White Drug recently gave \$500,000 to the college's revolutionary Concept Pharmacy to gain naming rights to the lab. To read more about this generous gift and the naming ceremony, please turn to page 4.
- The college continues to grow at an unprecedented rate. Three or four years ago, our total enrollment (pre-professional and professional students, including nursing and pharmacy) was about 650 students. In fall 2003, our total enrollment was 1,156 – almost double that of previous years. The college also received a record-high 221 applications to the pharmacy professional program for fall 2004 admission, compared to just 76 four years ago.

These progressively increasing numbers have presented a challenge for the college in dealing with issues such as student advising, student admission to the professional program and higher demands on college resources. A great concern to us is the lack of volunteer preceptors and sites to accommodate the increased number of students during the experiential program. If you are interested in being a preceptor or site for experiential rotations, please contact Wanda Kearney, director of experiential programs, at (701) 231-5178 or wanda.kearney@ndsu.nodak.edu.

Friend to pharmacy steps down

On behalf of our college, I would like to congratulate and thank Galen Jordre, who recently retired as the North Dakota Pharmacists Association's executive vice president – a position he held for seven years.

Galen has been a tremendous advocate for our college and a great supporter of our students. He helped us establish North Dakota Opportunities Night, designed to help keep NDSU pharmacy graduates in North Dakota to practice pharmacy. The annual event has been a great success, and has been responsible for attracting and retaining numerous bright, young, highly motivated pharmacists in the state.

Galen also provided major association support for our student scholarship program by developing the North Dakota Pharmacist Memorial Scholarship Fund and the student auction at the state convention. These programs have provided thousands of dollars in scholarships every year to pharmacy students in need.



Charles D. Peterson

I want to personally thank Galen for all he has done for the profession of pharmacy in the state, and also for his support of NDSU College of Pharmacy. I wish him the very best in his retirement.

I would also like to extend a warm welcome to Dr. Patricia Hill, the NDPhA's new executive vice president. We welcome you, Pat, to the profession of pharmacy and we wish you the best in your new position. Our college looks forward to working with you on issues that concern our profession.



Hill

Harrington retires

At the completion of the 2003-04 academic year, Agnes Harrington stepped down from her full-time position as assistant dean for student affairs. She will spend more time with her family and husband, who recently retired as a neurologist from the MeritCare Health System.

Assistant Dean Harrington has been with the college since 1979, when she began as associate professor and chair of the nursing program. In 1982, she accepted her current position as assistant dean, responsible for coordinating student recruitment activities, orientation and informational sessions for prospective students, academic advising, classroom scheduling, academic standards, admissions, orientation of new faculty, student transfers, and issues related to student conduct.

In addition to her administrative duties, Agnes has been involved in advising professional students and teaching in the pharmacy curriculum in areas such as ethics, health-care systems and physical assessment. She also has served on the Dean's Administrative Leadership Council. In fact, she has probably served on nearly every university and college committee that ever existed at NDSU!

Through the years, she has demonstrated a genuine caring concern for students both inside and outside of the classroom. Students in the professional program call her "Grandma," which pretty much says it all regarding the commitment and compassion she shows. She will be dearly missed; however, she plans to continue working at the college part time. Please join our college in extending Assistant Dean Harrington our warmest congratulations and thank you for a job well done.

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 our college, its people and the programs, visit our Web site at www.ndsu.edu/pharmacy. □



Dr. Peterson acknowledges Agnes Harrington, assistant dean.

Charles D. Peterson

BUILDING TOGETHER

In October 2003, a group of distinguished alumni and representatives from major areas of pharmacy were invited to assist in providing input, guidance and evaluation of college programs as they relate to local, state and national policies and priorities.

The major purpose of this newly established board is to broaden, enhance and complement the sources of information and expertise available to the college so students, faculty and administration are better equipped to seize opportunities for the future.

Ryn Pitts, BS '71, founder of ryn*genuity for Health Care Solutions, Fargo, was selected to chair the board, which will meet bi-annually.

Other board members are:

Gary Boehler, BS '70, *Vice president of pharmacy and health care services, Thrifty White*

Larry Ellingson, BS '69, *Retired, Eli Lilly, Chair of the board elect, American Diabetes Association*

Jerry Finken, *President and CEO, CSM, Fargo*

John Friend, BS '68, *Retired, Johnson & Johnson*

William Grosz, BS '51, *Past executive director, N.D. Board of Pharmacy; Past executive secretary/treasurer, N.D. Pharmacists Association; Former owner, Wahpeton Drug Co.*

Michael Hanson, BS '70, *Retired, Eli Lilly*

Michael Jones, BS '69, *President, Gallipot Inc., St. Paul, Minn.*

Barbara Jones, BS '70, *CEO, Gallipot Inc., St. Paul, Minn.*

Terrance Kristensen, BS '77, *Owner and pharmacist, Heritage Pharmacy, Bismarck, N.D.*

Fred Paavola, BS '70, *Retired Rear Admiral, U.S. Public Health Service*

Kathy Seifert, BS '75, *Executive director of regulatory affairs, Cardinal Health Nuclear Pharmacy Services, Woodland Hills, Calif.*



Thomas Tharaldson, BS '67, *Past director of pharmacy, MeritCare Health Systems; Pharmacist, Walker, Minn.*

Bradley Trom, BS '72, *Vice president of pharmacy operations, Albertson's/Osco Drug/Sav-on Drugs, Fullerton, Calif.*

John Wold, BS '66, *Retired, Eli Lilly*

Spring brought many occasions – from conventions to reunions – to connect with our alumni. One of those occurred while Dean Charles Peterson, his wife Connie and I attended meetings in Scottsdale, Ariz. Mike (BS '69) and Barb (BS '70) Jones hosted a gathering of 1979 and earlier grads in their home, while Scott (BS '83) and Lisa (AD '81, nursing) Johnson hosted grads from 1980 and more recent years at the Fox Sports Grill. It was great to see previous friends and make new ones.

This year's Homecoming will be a great time to be on campus and gather with friends. We have a pharmacy-reserved section for the first Division I Homecoming football game. Also join us for a special North Dakota reception honoring one of our own, Tony Welder, BS '61, celebrating his achievement as president-elect, NCPA, (see back cover).

Please consider joining us for the fun!

On behalf of all here at SU, we want to express our gratitude to our alumni and friends who have given so generously – whether it be through financial gifts, donated services or their personal expertise and time – to continue the tradition of excellence in the College of Pharmacy.

□

Cynthia Hanson
Director of Pharmacy Advancement

One-of-a-kind Concept Pharmacy to bear Thrifty White name

NDSU's state-of-the art Concept Pharmacy learning laboratory will soon carry the name of Thrifty White Pharmacy. The Maple Grove, Minn., company recently presented a \$500,000 gift to the university to gain the naming rights to the lab.

A dedication ceremony to honor Thrifty White Pharmacy's gift and to showcase the laboratory begins at 9:30 a.m. Nov. 4 at Sudro Hall. President Joseph A. Chapman will address the attendees.

Thrifty White's generosity continues its long-standing support of the College of Pharmacy, according to Charles Peterson, dean of pharmacy. "It's hard to express in words the magnitude of Thrifty White's gift and what it will do for our college and our students," he said. "The Concept Pharmacy, which is the only laboratory of its kind in the country, is really the foundation of our entire curriculum. It is the crown jewel of what we have built in the college."

Gary W. Boehler, a 1970 NDSU graduate and Thrifty White Pharmacy executive vice president of pharmacy, said,

"The additional financial gift was made to the NDSU College of Pharmacy because of the vision it shares and promotes within the pharmacy community, in the end creating a graduate better prepared to enter the practice of pharmacy."

Each year, an estimated 250-300 students are trained in the Concept Pharmacy, where they study all the elements and techniques of contemporary pharmacy practice. It's a hands-on learning environment where students learn about automated dispensing systems, patient counseling, nursing home practice, compounding IV admixture preparation, personnel management, telepharmacy operations and teamwork.

An important element of the college's Building Excellence campaign, the Concept Pharmacy was opened in August 2002.

For more details on the ceremony, contact Cynthia Hanson at (701) 231-6461; Cynthia.hanson@ndsu.nodak.edu. □

Steve Bergeson

Pitts shares story of diverse career during Master's Week

Had things worked out differently, Ryn Pitts might have been a concert pianist instead of a pharmacist and health care administrator. She began her undergraduate career as a piano major at Concordia College in Moorhead, Minn. "That lasted about two weeks," she told pharmacy students gathered for her Master's Week presentation April 1 in Sudro Hall.

Pitts switched her major to chemistry; decided she wanted to transfer to NDSU; and telephoned Pharmacy Dean Clifton Miller to ask if he'd admit her and find her a campus job. Miller told her to enroll and arranged for her to manage the rat lab in the Department of Veterinary Science.

Pitts learned valuable lessons from those rats. While senior vice president of health care and member services for Blue Cross Blue Shield of North Dakota, her job was deciding how insurance dollars should be allocated among hospitals, physicians and pharmacists and other providers. The rats taught her: "Everyone needs to be fed. There's never enough. Everyone wants more. And they don't care if someone else gets less."

After nearly a decade with BCBSND, in November 2003 Pitts resigned and started a health care management consulting business she calls ryn-genuity. In addition to her insurance industry expertise, Pitts has worked as a clinic and hospital executive, pharmacy manager and a staff pharmacist. "If you look for it, in all times of great change there is opportunity," she told the students. "If you are curious, pay attention and find a way to apply your knowledge, you'll find opportunity."

In addition to telling her own story, Pitts' PowerPoint presentation showcased famous folks with pharmacy connections, including mystery-writer Agatha Christie, whom Pitts is actively emulating by writing a medical mystery.

"Certainly after working with patients and in the

environments I have during my career, I have a head full of stories. It's just time to put them down on paper," she explained in a separate interview.

Until now, Pitts' professional life hasn't allowed time for such personal pursuits. After earning her bachelor's degree in 1971, Pitts went to work in the Fargo Clinic Pharmacy and eventually became manager. As the profession became more complex, she felt the need to build more knowledge and in 1982 completed her master's in pharmacy at NDSU. Eventually she began work as an administrator in what would become the MeritCare Health Care System. "It was a heady time in the 1980s, when we were building something so big, so new and so complex," she said.

Seeing projects like the Roger Maris Cancer Center become available to patients was extremely rewarding, she said. Conversely, after spending years in health-care financing, she

said, "to see the health care economic situation get worse, is discouraging. There are plenty of reasons why it's gotten worse — I don't see it as a personal failure or corporate failure — but I would have liked to have seen the cost escalation mitigated more than it has. It is a major societal problem."

Pitts told the students she was planning a trip to Sweden in June to study its health-care system. Scandinavians in general pay "very high" taxes, she said, but in turn they receive liberal health benefits from the government. "It's not necessarily a model I completely advocate," she said, "but I admire that the Swedish government has addressed the fundamental issue that health care is a fundamental right of every citizen."

That's why she started ryn-genuity: "I want to devote my time to shaping social policy." □

Catherine Jelsing



Ryn Pitts (pictured above) gives her master's week presentation. She was also the honored guest at a student leaders luncheon attended by (left to right) Teryn Ebert, Jessica Havelka, Megan Axtman, Jackie Boike, Pitts, Jeff Wilson, Regina Blevins, Ole Olson and Michael Johnson.

■ A LOOK BACK
with Muriel Vincent

Tornado of '57 wreaked havoc on NDSU campus

Sometimes Mother Nature gives us a surprise, as it did with the devastating tornado that hit our area on June 20, 1957.

For some reason on that hot, humid evening, I happened to look out the north-west window of my home and saw a black funnel cloud coming down. A tornado, maybe? Not being one who has to have the radio on constantly, I had to investigate what was going on and, sure enough, it was a tornado.

Since I lived in south Moorhead and the tornado hit north Fargo, I was quite safe. But trying to inform family and friends in Oregon and Washington was another matter. The twister left nearly 3,900 phones out in Fargo – and 100 or so in Moorhead. When phone service was re-established, the lines were constantly busy.

Summer session had just started, so the next day I was off to campus. The streets were fairly well cleared of debris – hundreds of downed trees, broken branches and telephone wires – so I managed to get to Francis Hall without a flat tire.

A few dedicated students and Dean Sudro had just arrived, too. We decided that the students – most of them married and living in on-campus housing – had better take care of their homes, particularly the roofs. The storm was followed, as many tornadoes are, by a heavy rain, which prevented many efforts to salvage furniture and other personal property.

Francis Hall, the old home of pharmacy, fared pretty well beyond a few broken windows. But plenty of damage had occurred along the tornado's path.

In the end, the tornado killed 13 (including six children from one family), injured more than 100 and destroyed or damaged 1,364 dwellings, displacing as many as 2,000 people. The Golden Ridge area, a neighborhood southwest of NDSU, was one of the hardest hit.

The tornado skirted the south and east borders of campus; if it had moved a few hundred feet farther west, it could have demolished Old Main and Ceres Hall. It still caused an estimated \$300,000 in damage to NDSU, according to the August 1957 edition of the North Dakota Agricultural College Alumni Review.

Among the damages reported by the NDAC Review:

- Destroyed the old college YMCA, located at the corner of 12th Avenue and University Drive. The Y also housed a popular campus restaurant known as The Dug-Out.
- Ripped the roof off the Hasty-Tasty Cafe (now the Bison Turf), just north of the YMCA.
- Destroyed 20 of the 24 dwellings in Silver City, an on-campus community for faculty.
- Did significant damage to the Alpha Tau Omega and Kappa Psi fraternities.



- Uprooted many campus trees, including 200 elms that had been planted by the late C.B. Waldron, former dean of agriculture and namesake for Waldron Hall.
- Blew the roof off the old Nelson Health Center and a large portion of the old Festival Hall.
- Broke windows out of many buildings, including much of the glass in the then-three-year-old Dinan Hall.
- Mangled the front gate into NDSU.

In addition, most of the houses and buildings for a block-and-a-half south of campus were wrecked or left roofless. Sixty members of the college staff had homes that were heavily or totally damaged.

Needless to say, one tornado in a lifetime was quite enough for me.



The tornado of 1957 demolished the NDSU YMCA (upper left), damaged the front gate (right) and destroyed most of the homes in Silver City (lower left).

Professor's wife recalls twister

The tornado of 1957 was particularly frightening for Betty Schermeister, wife of pharmacy Professor Emeritus Leo Schermeister.

Her husband was in Chicago with their three children. That left Betty alone – and very pregnant – in their south Fargo home.

She recalls hearing warnings about the slow-moving storm, but wasn't concerned enough to decline a dinner invitation at a friend's house, also in south Fargo, that evening.

"Right after dinner, it got awful dark; it was bad," she recalls. "I was glad I wasn't alone."

Betty and her friend were in the basement, although her friend's husband – "being the man in the house – had to go outside and look at it."

The aftermath was chaotic. "The wires were down on the north side, there were mattresses in the trees by the Red River, many of the roofs were off," Betty recalls.

The good news was that the baby didn't arrive amid the disaster. Instead, the newest Schermeister son arrived June 24 – four days after the worst tornado in Fargo history.

ALUMNI NEWS

Classmates of '54 happy to help with 50-year reunion

Sometimes old-time friendships are the best kind of friendships.

That's what 1954 College of Pharmacy graduates discovered when they gathered May 18-19 for their 50-year reunion.

Class member Fred Baillie, a retired pharmacist in Rugby, N.D., credits personal contact for a good turnout. Baillie and classmate Odell Krohn personally contacted classmates via e-mail or phone. They recommend a similar personal touch for anybody planning a reunion and hoping to encourage a robust turnout.

Thirty of the classes' 40 members are living. Krohn and Baillie split the list.

"Our contact rate was almost 100 percent," Baillie said. "That success generated an enthusiasm for attending the reunion. It's a refreshing experience to renew these friendships."

Krohn and Baillie made notes from each phone or Internet conversation they had with classmates, and, at the reunion read aloud comments from those who could not attend for health, family or business reasons.

Class members were delighted that NDSU President Joseph Chapman took time to personally meet with them and award each a new diploma. "When we graduated it was NDAC (North Dakota Agricultural College)," Baillie said. "So President Chapman gave us new diplomas that said NDSU."

After the "official" reunion events, which included campus tours (including a visit to the new Research and Technology Park), and dinner, classmates gathered in colleague Dean Long's suite at Ramada Plaza Suites.

"The after-dinner get-together in Long's suite with the pharmacy gang was like old times," Baillie said, "except it broke up at 10:30 p.m. instead of 3 a.m."



Dean Long, Fred Baillie and their spouses at the reunion.



Ed and Sandy Magarian, Betty and Leo Schermeister and Shoukry Khalil (left to right) at the reunion.



ALUMNI NOTES

Douglas Babitzke, BS '50, and his wife, Theresa, celebrated their 50th wedding anniversary. Babitzke played football with the Bison while attending NDSU. Most of his professional career was spent with Geigy/Ciba Pharmaceuticals. Now retired, he and Theresa have four grown children and live in Burr Ridge, Ill.

Mary J. Berg, BS '74, has retired after 24 years of service to the University of Iowa, Iowa City. In 1995, she was the first woman in the College of Pharmacy to become a full professor. Berg is an expert on gender analysis of medications.

John Bergs, BS '53, purchased the Clarissa (Minn.) Drug Store in 1954. He sold it in 1987, but worked for the new owner until 1991. Bergs still does several weeks of relief work a year. He and wife Marion celebrated their 55th wedding anniversary in February. Bergs writes: "I did not realize it at the time as much as I should have but Dean Sudro was a great fella."

Brian Fingerson, BS '73, retired from the Kentucky Department of Corrections as pharmacy supervisor in July 2003 after 22 years of service. He also was the Bowl of Hygeia Award winner for Kentucky in 2003. Fingerson is now recovery program administrator for the Kentucky Boards of Pharmacy, Dentistry and Physical Therapy. His position involves working with pharmacists and other health professionals with substance abuse problems. He and wife, LaVonne (Peterson), AD '73, have three sons.

David Goudge, BS '69, had his first job in a drug store at age 10. He later worked for 19 years in the Twin Cities; Rochester, Minn.; and Twin Valley, Minn. He now lives in Bemidji, Minn., where he's worked for nine years at RPh on the Go as a relief pharmacist. He has worked in 102 Minnesota pharmacies, including 15 Kmart, five Thrifty Whites and four Snyder's Drug stores. "I am very proud to have attended NDSU Pharmacy," he writes. "At the 102 pharmacies, I have met many NDSU College of Pharmacy graduates – most of us have had the same teachers."

Jake Morris, PharmD '02, is district manager for WalMart pharmacies in northwestern Wisconsin. Morris' first job after college was as a WalMart pharmacy manager in Menomonie, Wis. He is the only College of Pharmacy graduate who was a four-year starter for Bison football. An all-time leading rusher, he was an Academic All-American.

Larry Patnaude, PharmD '01, is chief pharmacist for Fond du Lac Human Services in Minnesota. Patnaude is a lieutenant in the Commission Corps of the Public Health Service and is a member of the Turtle Mountain Band of Chippewa. The Belcourt, N.D., native was an Army helicopter pilot for seven years before coming to NDSU to study pharmacy. While attending NDSU, he spent six years with the North Dakota National Guard, later joining the Commission Corps. He and wife, Tyia, have two children and live in Duluth.

One of pharmacy's oldest grads recalls drug breakthroughs

A half century ago, Cyril Zweber gave his Kappa Psi fraternity pin to his sweetheart, Pauline.

After World War II they married and the pin was all but forgotten as Cy and Pauline busied themselves operating a pharmacy and raising children.

Four years ago, Pauline Zweber passed the pin to the next generation, their daughter, Mary, also a pharmacist. Little did Pauline know then she would need the pin back for two big evenings on the town with her best beau.

Recently, 91-year-old Cy – now the 10th oldest surviving pharmacy grad from NDSU – told his children he wanted to visit his alma mater, the College of Pharmacy at NDSU, for what he supposed could be the last time. The dates were May 10-11; the event, the annual 50-Year Pharmacy Club Reunion. Although Cy graduated in 1933, the class of 1954 graciously invited the Zwebers to their event.

Pauline knows when a girl goes to a pharmacy party, she needs to wear her guy's pharmacy pin. So she borrowed it back from her daughter.

Mary, BS '75, and her husband, Roger Miller, of Stillwater, Minn., escorted Cy and Pauline to the reunion.

Of course, the 50-year alumni had stories to tell. However, Cy shared tales that stretched back to the days when medicines were mixed like potions.

Zweber's career spans six decades of a century that produced the greatest pharmaceutical advances that humankind has known. The timeline reads something like this:

1928-33, summer intern at Denk's Drug Store, Elgin, N.D.

Cy grew up in New Leipzig, N.D., a town largely settled by Germans. Hugo Denk, a pharmacist in nearby Elgin, N.D., became Cy's first mentor. Denk had been chief chemist at the Castle of Lichtenstein in Germany. Cy remembers Denk handwriting prescription labels in German because there were no typewriters.

Cy recalls his mentor first holding up a bottle of a breakthrough drug. "Cy, this will change the practice of medicine," said Denk, displaying a vial of insulin. "But it's a pity that it's so expensive."

A vial of insulin at the time cost 85 cents, or about 10 cents per dose. Before insulin was introduced, diabetics typically died young.

1933, pharmacist's helper at Kennedy's Drug Store, Sentinel Butte, N.D.

After graduating in from NDSU, Cy wasn't old enough to take his pharmacy board exams. He went to work in western North Dakota's rugged Badlands. The main draw to Kennedy's Drug Store was a sign along Main Street proclaiming "Ice Cold Water Served Here." In western North Dakota, where summers can be Sahara-like, cold water was welcome relief for travelers. The water was drawn from a tank in the store's basement. Cy says he hauled more buckets of water from the basement than he filled prescriptions.

1934, B&B CutRate Drug, Williston, N.D.

Cy was recruited to work for B&B CutRate Drug. Up to this point, pricing standardization was the norm in the pharmacy industry. However, B&B CutRate executives decided to sell a tin of aspirin for 30 percent less. Cy needed to be convinced that patient safety would not be compromised. Once assured, Cy agreed to open a B&B CutRate Drug store in Williston. The price competition proved to be hugely popular. He earned \$95 a month. The owner, a non-pharmacist, made \$50 per month.

1936, Rolla, N.D.

Cy took a job in Rolla, working for a non-pharmacist who owned a store. The Rolla Drug Store was a hub for local residents, Canadians, and the Turtle Mountain Band of Chippewa. Cy remembers accepting Canadian money at par for all transactions.

In his free time, Cy invented the "Seltzer Crusher" and was granted a patent for it. Back then, it was customary for a druggist to accommodate an "office headache" by offering an Alka Seltzer tablet to a businessman. But, unless the tablet was smashed first – by a hand-cranked crusher by the soda fountain – it took forever to dissolve. Cy invented his "Seltzer Crusher" to fit into the cover of each Alka Seltzer bottle. But time passed, World War II disrupted lives, and after the war Alka Seltzer was packaged in aluminum foil – eliminating the need for a crusher.

1938, Zweber Drug in Farmington, Minn.

The Depression and Dust Bowl days in North Dakota made for rough times. Through his father, Cy heard of a family physician in Farmington who was desperate for a pharmacist to open a store alongside the hospital and clinic. Cy took the job. He had saved \$300 and, with help from his dad, bought fixtures and enough inventory to open a store.

Cy recalls that during the late 1930s, sulfonamide drugs were making their impact in medicine. Sulfa drugs, as they are known, preceded antibiotics by several years.

1942, U.S. Coast Guard/U.S. Navy

As World War II intensified, Cy was drafted into the Coast Guard. He sold the store in three days and was off to boot camp. He hoped to be a pharmacist's mate but was made a chemical warfare specialist. He spent 36 months in San Juan, Puerto Rico, with the U.S. Public Health Service, passing people and ships through quarantine.

When Cy returned to America, he married his wartime pen pal, Pauline Logan, a teacher he'd met on a blind date in Farmington.

Soon, Cy was looking to buy another drugstore. A friend, Les Oliver, a charter member of the NDSU Kappa Psi chapter, pointed him toward Rice Lake, Wis.



Dean Charles Peterson shows Zweber the Concept Pharmacy.

1946, Zweber Drug in Rice Lake, Wis.

Cy bought the store, an established Walgreen agency. During the warm months, powerful executives from Chicago and Detroit vacationed in the lakes area and were among his customers. The family worked long, hard hours.

During this era, antibiotics were introduced: penicillin, tetracycline, streptomycin, chloromycetin. In fact, they saved the life of their younger son, Robert, who was stricken with meningitis in 1949.

Also during the late '40s, Cy concocted another invention, Chlorinol™, a prescription product for eczema. Cy compounded the ingredients and filled the ointment jars in the family kitchen. Mary, the youngest, screwed on the lids and son Richard affixed the labels. Rightly so, Mary says, federal legislation in the late '50s put an end to extemporaneous compounding for wide distribution and sale.

Zweber Drug grew so successful that it consumed much of the Zwebers' time. Careful reflection upon life led them to sell the store in 1953.

1954, Walgreen Co., St. Paul, Minn.

Cy was offered a job at Walgreens on the corner of Wabasha and Seventh Street in St. Paul. Near two clinics, four hospitals, a bus terminal and the city's movie theatre district, the store was a hectic place. However, Cy finally had regular days off.

Cy is most proud of the interns he mentored during his career. The first bits of advice he gave each new intern were first, do more listening than talking and take time for the patient. Second, don't flaunt what you know.

During the last years of Cy's career he spent a lot of time mentoring Mary while she attended NDSU's College of Pharmacy from 1970-75. They enjoyed vigorous discussions, comparing and contrasting old and new. Father and daughter noted that no matter how much things change, they remain very much the same. Cy, who retired in 1977, and Mary believe good health standards, good science, honesty and integrity will always hold the profession together. □

Deneen Gilmour

Dakota 100 Club does great things for college

The Dakota 100 Club's treasury is like mom's cookie jar. Not the one with the cookies in it; the one with the extra change saved for emergencies and special purchases.

In the past six years, Dakota 100 Club members have provided more than \$80,000 for College of Pharmacy projects that otherwise might not have been funded by NDSU. "We've used Dakota 100 Club contributions for projects as varied as staff recruitment and student convention fees to purchasing high-tech equipment," said Dean Charles Peterson. "It's a tremendous asset to have these discretionary funds available to us."

Club membership is open to NDSU pharmacy alums, pharmacists licensed in North Dakota, pharmacists who have retired in the state and — at a special rate — NDSU pharmacy students. "It's about pharmacists contributing to the future of the profession by supporting NDSU students, faculty and staff," Peterson said.

Sue Schnase, BS '88, outpatient pharmacy manager for MeritCare Health System, has been president of the Dakota

100 Club since its inception. One of the club's most enthusiastic supporters, Schnase often can be found recruiting and re-upping members at the North Dakota Pharmaceutical Association's annual convention. "This is a tremendous opportunity to make a valuable contribution to the future of pharmacy practice," Schnase said. "These funds provide critical monies for our college."

The minimum annual contribution for club members is \$100; \$25 for students (who can build up to a free membership their first year of practice). "Founding Member" contributions start at \$1,000. All contributions are tax deductible and receive credit in the NDSU Development Foundation's President's Circle, clubs and societies.

For more information, contact Cynthia Hanson, Dakota 100 Club secretary and director of pharmacy advancement. She can be reached at (701) 231-6461 or by e-mail at cynthia.hanson@ndsu.nodak.edu.

Become a Dakota 100 Club member

Membership is credited on a fiscal year basis, July 1 to June 30. Contributions are tax deductible as allowed by law.

Founding member

- \$1,500
- \$1,000 (minimum giving level)
- Other \$ _____

Member

- \$500
- \$250
- \$100 (minimum giving level)
- Other \$ _____

Student member

- \$25

Payment options

- Check (Make checks payable to NDSU Development Foundation.)
- MasterCard VISA Discover

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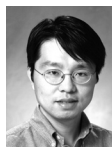
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FACULTY NEWS

New faculty members join pharmacy in 2003-04

Bin Guo is an assistant professor in pharmaceutical sciences. He has a bachelor's degree in cell biology from the University of Science and Technology of China, Hefei, People's Republic of China, and a doctorate in pharmacology from State University of New York at Buffalo.



Guo's research involves the use of molecular and cell biology to study genes involved in cancer cell apoptosis (programmed cell disintegration) induced by chemotherapeutic drugs. Guo hopes the investigation and study of the fundamental mechanisms of cell death regulation in cancer cells may provide insight into future drug discovery.

Guo currently teaches two sections of pharmacodynamics. Before coming to NDSU, he worked with the Burnham Institute, La Jolla, Calif.

David Scott is an associate professor of pharmacy practice. His duties include being director of the North Dakota Institute for Pharmaceutical Care, participating as co-project investigator in the state telepharmacy project; and teaching pharmacy administration courses to students in the professional program. He earned his doctorate from the Social and Administration Pharmacy Program, University of Minnesota. He came to NDSU from the University of Nebraska Medical Center, Omaha. His research interests include the development and assessment of clinical pharmacy services in community health centers.



Satadal Chatterjee is an associate professor in pharmaceutical sciences. Chatterjee has a doctorate in physics from Saha Institute of Nuclear Physics, University of Calcutta, India, a master's degree in physics from the University of Calcutta and a bachelor's degree in physics with minors in chemistry and mathematics from the Ramakrishna Mission Boys Home, Calcutta.

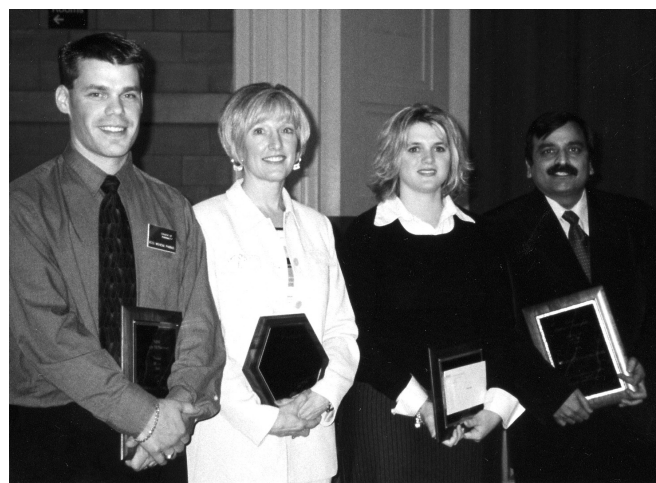


A member of the American Association of Cancer Research, the Ireland Comprehensive Cancer Center of the University Hospitals of Cleveland and the American Association for the Advancement of Science, Chatterjee's research interests include chemotherapy, chemoprevention of cancer and developmental therapeutics pertaining to cancer research.

Before coming to NDSU, Chatterjee was an assistant professor at Case Western Reserve University, Cleveland, Ohio.

Chatterjee received a gold medal as first of more than 10,000 physics honors students in the University of Calcutta's physics honors practical projects. The researcher/educator also received the Young Investigator Award from the American Cancer Society, the FIRST Award from the National Institutes of Health/National Cancer Institute, and was selected as a research scholar by the Indian government's Atomic and Nuclear Energy Commission.

College faculty honored for outstanding service



Honorees are (left to right): Wilhelm, Naughton, Schmidt and Sharma.

During the annual College of Pharmacy hazing ceremony May 14, four faculty members were honored for professional excellence.

- **Ross Wilhelm, PharmD '98**, clinical assistant professor in pharmacy practice, received the college's teacher of the year

award. Wilhelm has expertise in pharmaceutical care and retail pharmacy practice. He also is a pharmacist/manager at The Medicine Shoppe, Fargo.

- **Cynthia Naughton, MS '86, PharmD '95**, is the faculty preceptor of the year. Naughton is a clinical pharmacy specialist and a preceptor of ambulatory care with NDSU's Family HealthCare Center. Her areas of expertise are ambulatory care and renal pharmacotherapy.
- **Tanya Schmidt, PharmD '95**, lecturer in pharmacy practice, is the adjunct preceptor of the year. As a pharmacist at Thrifty Drug Ltd. on University Drive in Fargo, Schmidt is the preceptor of a pharmaceutical care rotation which focuses on cholesterol and glucose screening with enhanced patient consultation.
- **Avadhesh Sharma**, assistant professor in pharmaceutical sciences, is the researcher of the year. Sharma has 19 years of research experience. His research interest areas are in Systemic Inflammatory Response Syndrome, diabetes, hemorrhagic shock and prostate cancer. He has developed a laboratory (www.cardionome.com) to promote industrial and academic collaboration for pre-clinical animal studies.

Students honor Clarens for teaching

Richard “Rick” Clarens, BS ’76, received the Golden Apple Award for outstanding teaching from second-year medical students at the University of North Dakota, Grand Forks.



Clarens received the award May 20 from medical student Mike

Clarens is a lecturer and preceptor at NDSU. He also is an associate professor of family medicine and pharmacology, physiology and therapeutics at UND Medical School.

He holds a Pharm.D. from the University of Minnesota and a postdoctoral fellowship in clinical pharmacy from the U of M and St. Paul (Minn.) Ramsey Medical Center. His areas of expertise are family medicine, cardiovascular and infectious diseases.

O'Rourke receives NIH grant

Stephen T. O'Rourke, associate professor in pharmaceutical sciences, has received a three-year grant from the National Institutes



of Health for his research on “Hormonal Regulation of Coronary Vasomotor Tone.”

O'Rourke teaches autonomic, cardiovascular, renal and pulmonary pharmacology. He holds a doctoral degree in pharmacology from the University of Wisconsin-Madison, where he also had a postdoctoral fellowship. He did additional postdoctoral work in physiology and biophysics at Mayo Clinic, Rochester, Minn.

Miller publishes two articles

Don Miller, chair of pharmacy practice, had two articles on critical thinking among pharmacy students published in the American Journal of Pharmaceutical Education.

The first, “Longitudinal assessment of critical thinking skills in pharmacy students,” examines changes over time, and shows that students’ ability on the California Critical Thinking Test increases steadily over the curriculum.

The second, “An assessment of critical thinking: Can pharmacy students evaluate clinical studies like experts?” The hypothesis is that students must first develop complex knowledge networks, called schemata, before they can solve problems like experts do.

The American College of Physicians also has appointed Miller as an editorial consultant for the fibromyalgia module in its Physicians Information and Education Resource program.

Retired professor thought NDSU students were tops

Seventeen years after retiring from the College of Pharmacy faculty, Leo Schermeister still misses research work. He misses those “gung-ho” days of using National Science Foundation grants to delve into new and improved drugs.



Schermeister

On second thought, Schermeister says he misses teaching more than research. “I really miss the students,” he says. “They were a good bunch. I enjoyed having them very much, every single one of them.”

Research work or classroom instruction? Schermeister can't choose a favorite. It's clear, though, that his years at NDSU were some of the best years of his life.

Now 81, Schermeister was a pharmacy professor from 1955 to 1987.

He taught an array of classes, ranging from entry-level to advanced pharmacy, and he particularly enjoyed researching natural products from plants, allergy drugs and cancer drugs. He also taught a class about narcotics for addiction counselors and law enforcement officers.

“The students at NDSU were very interested in studying,” Schermeister says. “They came from mostly farm areas and they had a burning desire to make some money in pharmacy and

they stayed close to their studies. When I taught in Chicago, it was different.”

Schermeister earned his doctorate from the University of Illinois in Chicago, taught there briefly, and met his wife, Betty, there. Also a pharmacist, Betty worked in retail and hospital pharmacies while Leo taught up-and-coming pharmacists. The couple raised six children.

Fargo is home base these days, but much of summer is spent at their lake home near Park Rapids, Minn., and winter is spent in Florida. Immediately after retiring, Schermeister built an addition onto their lake home that doubled its size. The couple also traveled to Spain, Morocco, Ireland, Germany, France and England. One summer they visited Costa Rica with all six of their children.

Schermeister is struggling with kidney problems that may necessitate dialysis in the near future. He had a heart attack and bypass surgery in 1998. He's glad he and Betty traveled to Europe before his health began to falter.

He also still enjoys his contact with NDSU, attending reunions – such as last year's 50-year reunion – whenever possible. □

Deneen Gilmour

White coats usher in professional program for students

They entered the auditorium as students, but they exited as professionals.

Eighty-three pharmacy students filed into Bentson-Bunker Fieldhouse Sunday, Jan. 11 to receive the official white lab coats that marked their transition from pre-pharmacy into the college's professional program. Nearly 500 friends and family members snapped pictures and craned necks to watch the students – many smiling proudly and standing a bit taller after donning their coats.

The event had the atmosphere of a commencement. But instead of marking the beginning of a new career, it signaled the beginning of the demands of the rigorous four-year program.

As speakers throughout the ceremony reminded them, their crisp, white garments represented much more than articles of clothing. At the close of the event, the students read aloud "The Oath of the Pharmacist" – a reminder of the professional responsibilities they would bear.

"This white coat can symbolize many things," said Wendy Allex, the Academy of Students of Pharmacy representative. "To an expectant mother, it could mean the news of a healthy baby. To an ill patient, aid and comfort while striving toward health. ... To us, the white coat symbolizes hours of dedication and hard work and the living out of our dreams of becoming a professional pharmacist. Ultimately, the white coat symbolizes professionalism."



Charles D. Peterson, dean of the College of Pharmacy, told the group: "You will notice that these coats you will be receiving today are white in color, which in my mind also symbolizes cleanliness and purity, so my message to students is 'Keep 'em clean.' Just remember, your actions and behaviors are now not only representing yourselves, but are also representing NDSU, the College of Pharmacy and now the profession of pharmacy in North Dakota."

The ceremony also was a way to congratulate the students who had made it into the highly competitive program. Only 85 of the 202 qualifying applicants were selected for the professional phase.

Professional excellence in pharmacy has never been more important. The keynote speaker was Gerald Finken, founder and CEO of CSM, a Fargo company that provides expertise and material-dispensing services to companies performing clinical drug trials.

Finken's largely upbeat speech was tempered by mention of issues facing the profession – including a nationwide pharmacy shortage. In the year 2000, there were 200,000 pharmacists to fill 2.1 billion prescriptions – a yearly average of 10,500 prescriptions per pharmacist.

By 2010, there will be 300,000 pharmacists, Finken said. But there also will be 4.2 billion prescriptions to fill – an average of 14,000 "scripts" per pharmacist.

"How will we be able to maintain our quality of care at this level of volume?" he asked. "You have those common strengths that I spoke of earlier – intelligence, a strong work ethic, an interest in the welfare of our communities – and you must use these strengths in common as students, and then as pharmacists, to help us mold our future."

The White Coat Ceremony, sponsored by Walgreens, was organized by the college and Academy of Students of Pharmacy. □

Class of 2007 statistics

Males: 37

Females: 48

Average GPA: 3.79

with previous degrees:

Associate: 4

Bachelor: 15

Residency:

N.D.: 49 (all but 5 attended NDSU for some Pre-Ph.)

Minn.: 26 (all but 4 attended NDSU for some Pre-Ph.)

Other U.S.: 6 (all attended NDSU for some Pre-Ph.)

International: 2 (all attended NDSU for some Pre-Ph.)

Mean age: 23

of applicants: 202 qualified

Age range: 19-40

Total accepted: 85

Source: Agnes Harrington, former assistant dean

Tammy Swift

Jordre urges grads to stay attuned to health-care trends

This year's Hooding and Honors Convocation, held May 14 as the traditional prelude to commencement, was especially bittersweet.

It was a happy event, because 66 graduates received their doctor of pharmacy hoods. But it also was poignant, because keynote speaker Galen Jordre, a long-time supporter of NDSU's pharmacy program, was retiring as executive vice president of the North Dakota Pharmaceutical Association.

Like the young pharmacists he encouraged in a cautiously optimistic speech, Jordre is transitioning to a different world. After seven years with the NDPhA, the South Dakota native wants to practice pharmacy again before he retires.

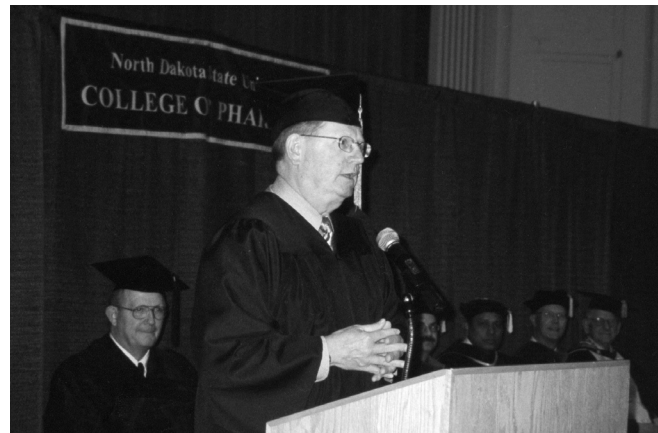
Despite the changes ahead, Jordre proved his sense of humor was intact. "I have been to many hooding exercises and have listened to a variety of influential pharmacy leaders speak to the graduating class," he told the crowd of 450 in the Bentson/Bunker Fieldhouse. "The dean must have decided to break with tradition this year because you may be the first class to have an unemployed pharmacist as a speaker."

Jordre went on to address the current, vigorous demand for pharmacists. He cited the Pharmacy Manpower Project, which estimates a shortage of 157,000 pharmacists by the year 2020.

At the same time, he cautioned graduates to not be fooled by the numbers. Jordre indicated the projected shortage is based on expanded clinical services by pharmacists with a decreased need for pharmacists involved in order fulfillment. "I truly believe that economic forces and advances in technology will diminish the role of the pharmacist in the order fulfillment process."

Jordre pointed out that individual pharmacists must be advocates for their expanded clinical role if they want the profession to grow and meet societal health-care needs. He shared specific steps on how to accomplish this:

- "Resist the temptation to measure success through your hourly wage and the financial resources it brings you."



Jordre advised graduates to stay current with their profession.

- Remember that "the world owes you nothing. You owe it to everyone who has gotten you to this point to become the professionals you have been trained to be."
- "Make yourself indispensable and visible. Let your patients know when you have performed an action that improves their medication outcome."
- "Find mentors who are innovators and model your practice on theirs while looking for ways to improve and organize what they have done."
- "Do not sacrifice your professional standards for the sake of a job."
- "Participate in some type of professional association to serve as an advocate for pharmacists."

He concluded by suggesting graduates pattern their successes after the words of Ralph Waldo Emerson: "To know even one life has breathed easier because you have lived – this is to have succeeded." □

Tammy Swift

Class of 2004 Career Planning Reports as of May 3, 2004

(49 of 59 graduates responded)

States where practicing:

North Dakota -16
Minnesota - 18
Wisconsin - 3
Arizona - 2
Colorado - 2
Illinois - 1
Montana - 1
Nevada - 1
Ohio - 1

Salary ranges:

Retail - \$58,240 - 98,000
Hospital - \$72,000 - \$75,000
Residency - \$30,000 - \$40,000

- 221 students applied for admission in 2004-2005 for 80 available slots.
- 301 pre-pharmacy students applied as freshmen and transfer students as of May 2004.

Area of practice:

Retail - 30
Residency - 9
Clinics/hospitals - 6
No position at this time - 4



Christian Pharmacists Fellowship International retreat 1st row: Molly Westom, Joan Viets, Ole Olson, Allison Bergman. 2nd row: Laura Dehn, Megan Axtman, Lisa Cordes, Rachel Knecht, Ben Richards. 3rd row: Ros Hemmer and Kurt Lysne.



Dean Charles Peterson is pictured with NDSU students during the North Dakota State Pharmaceutical Convention April 23-25 in Minot. Students (from left to right) are: Rachel Gilles, Jeff Shorten, Justin Heiser, Heidi Fritz, Wendy Alex, Nicole Johnson and Michelle Gail.

NDSU hosting regional ASP meeting

NDSU College of Pharmacy's Academy of Student Pharmacists is hosting the 2004 American Pharmacists Association-ASP Midyear Regional Meeting in Moorhead. The conference will be held Nov. 5-7 in the Moorhead Area Conference Center at the Courtyard by Marriott. For more information, contact student coordinator Teryn Ebert at Teryn.Ebert@ndsu.nodak.edu.

Mark calendars for career fair, scholarship event

The fourth annual Career Fair and Scholarship Honors Program will be held Sept. 23 at the Fargodome.

The career fair will be held from 10 a.m. to 3 p.m. It is open to:

- Students and adults interested in a pharmacy or nursing career
- Students seeking employment or internships
- Professional program students
- Parents

There will be more than 40 pharmacy and nursing exhibits, featuring representatives from retail pharmacy chains, manufacturers and local/regional healthcare facilities.

This also is the ideal opportunity to visit with pharmacy and nursing faculty, staff and students.

The annual scholarship program will follow at 3 p.m.

For more information, contact Cynthia Hanson at (701) 231-6461 or Cynthia.hanson@ndsu.nodak.edu.

Need CE credits? Return to NDSU

Homecoming isn't just a time to get together with old friends. It's also the perfect chance to rack up those continuing education credits you need during our annual Homecoming seminar.

This year's seminar: Women's Health Update, 8 a.m.-5 p.m., Friday, Oct. 15, Ramada Plaza Suites

Registration deadline: Oct. 11

Who it's for: Professionals seeking ACPE, CME or ANCC credits.

Topics covered: Hormone replacement therapy, options to HRT, female sexual dysfunction, issues related to nutrition, contraception and infertility

To register or get further information:

www.ndsu.nodak.edu/pharmacy/alumni

Tara Schmitz, (701) 231-6733 or Carol Jore, (701) 231-7589



Among those attending the Dakota Territory Breakfast at the APHA's annual meeting were (from left): Bob Niebert, BS '66, Anchorage, Alaska; Cynthia Hanson, director of pharmacy advancement; Mark Gonitzke, BS '77, Rockville, Md.



The American Pharmacists Association annual meeting, held March 26-30 in Seattle, was well represented by NDSU students past and present. Here, NDSU students enjoy the view from the Space Needle.

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 fiscal year 2004 (July 1, 2003-June 30, 2004).

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Harold and Harriet Hovland
Kenneth and Mildred Kroll
Deborah Schranz

1940s

Leonard and Corrine Astrup
Lorraine Brevik Johnson
Mark and Lucille Call
Alden and Helen Foss
Eddie and Opal Gudmundson
Stanley and Ellen Halonen
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Tupper Howden
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Burnice Pristash
Lyle and Kathleen Severson
Donald Spoonheim
Clifford and Marcine Thomas
Ted Tiegen
Vernon Wagner

1950s

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Douglas and Theresa Babitzke
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Henry and Lois Berg
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Terry and Mary Bolding
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Dean and Joyce Long
Rodger and Kate Magnuson
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Richard and Audrey McElmury
Seymour and Sharon Milavitz
Harold and Elaine Nilles
Herman and Gloria Olig
Richard and Jacqueline Olness
Kent and Claudia Olson
James Parkin
Milo and Lorraine Peterson
Thomas and Joyce Pettinger
Ervin and Sandra Reuther
Bruce and La Velda Rodenhizer
Laverne and Anna Russell
Jerome and Jo Ann Saylor
William and Marilyn Schalker
Erwin and Della Snustead
John and Roberta Southam
Jerome and Carolyn Staska
Donald and Muriel Stilwell
Vernon R. Strong
David Tower
Donald and Donna Tucker
Lowell and Leanne VanBerkom
Charles and Agnes Wasem
Kenneth and Kathleen Wedul
Charles and Terry Wilharm

1960s

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William and Sandra Abbott
Ronald Albertson
Howard and Joan Anderson
Rodney and Lyla Anderson
Al and Geri Arneson
Larry and Twilia Arthaud
Ronald and Diane Bader
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David and Jan Swanson
Stanley and Patricia Sweet
Myron and Beverly Sylvester
Alice and Thomas Thompson
Robert and Sheryl Treitline
Gary Triebold
Bob and Marti Tuchscherer
Paul and Donna Tunell
Terrel Turnquist
Darven and Meryce Unruh
Mary L. Wacek

James and Laura Wahl
Lawrence and Ellen Walz
Marvin and Patricia Walz
David and Judith Wein Kauf
Tony Welder
Virginia D. Wells
Charles and Judith West
Bruce Wexler
Robert and Carol Wilhelm
John S. and Susan Wild
Robert and Ann Wolters
Frank and Sarah Yetter

1970s

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Harold and Diane Alexander
Daniel and Elaine Almlade
Marleen Q. Alvig
Douglas and Janette Anderson
Gregory and Jean Anderson
Lowell and Jean Anderson
Larry and Jolinda Arnold
Edward and LeeAnn Asker
Mark and Susan Aurit
Steven and Joyce Bakkum
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 Charles R. Walgreen, Jr.
 Wal-Mart Foundation
 Walgreen Co.
 Lawrence and Ellen Walz
 Michael and Joanne Warner
 William Watson
 Timothy and Shari Weippert
 Tony Welder
 Robert and Carol Wilhelm
 John S. and Susan Wild
 Dale and Gayle Ziegler
 Roger Miller and Mary Zweber

■ SHARE YOUR MEMORIES OR TELL US ABOUT YOURSELF

We like to know what our alumni are up to, so please take a moment to tell us about yourself. Feel free to also share a story or memory of your time spent at the college. Send or fax this form to: Cynthia Hanson, NDSU College of Pharmacy, 123 Sudro Hall, Fargo, ND 58105-5055, Fax: (701) 231-7606

Name Class of

Address

E-mail address (Spouse's name)

Phone (home) (work)

Employer Title

Include the following information in the newsletter.

Moves, career changes, promotions, publications, honors, additions/changes in the family:

Memories:

Photos and news articles are welcome. We appreciate your story ideas, submissions and suggestions for future issues of the NDSU College of Pharmacy Alumni News.

NDSU

NDSU College of Pharmacy
Office of the Dean
123 Sudro Hall
Fargo, ND 58105

**Don't forget to visit our Web site at
www.ndsu.edu/pharmacy.**

Alumni News

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This publication is available in alternative
formats by calling (701) 231-6469.
NDSU is an equal opportunity institution.

Homecoming events, Oct. 11-

Hotel accommodations: A block of rooms has been reserved at the Ramada Plaza Suites at \$79 for a conventional room or suite on a first-come, first-served basis. For reservations, call (701) 277-9000 and request the NDSU College of Pharmacy room block. Deadline is Sept. 30.

Friday, Oct. 15

Pharmacy Advisory Board meeting, 11 a.m. - 1:30 p.m., Alumni Center.

Reception honoring Tony Welder, BS '61, president-elect, NCPA, 4 - 6 p.m. (5 p.m. program), Avalon Events Center, 613 1st Ave. N., Fargo. No reservations needed.

Alumni and friends dinner, outstanding alumni of 2004 honored, social hour 6 p.m., dinner follows, Fargo Holiday Inn. Reservations: (800) 279-8971.

"The Party Is On," live music and dancing featuring "Front Fenders" and Betty and Veronica, 9 p.m., Avalon Events Center. Cover charge: \$5.

Saturday, Oct. 16

NDSU Alumni Center open house, 9 a.m. - 3 p.m., 1241 N. University Drive.

Homecoming Parade/Bison tailgate party. Parade 10 a.m., followed by party near Fargodome. Tickets available online.

Division I football game. Bison vs. Southern Utah University, kickoff 1 p.m., Fargodome. Reserve tickets (ask for pharmacy reserved block): (701) 231-6378; www.gobison.com.

Bison Bidders Bowl, gala fund-raiser, 5:30 p.m., Fargo Holiday Inn. Advance tickets required: (701) 231-6843.

Go to www.ndsualumni.com for more information, or contact Cynthia Hanson at (701) 231-6461; cynthia.hanson@ndsu.nodak.edu.

Other important events

Thursday, Nov. 4

Thrifty White Concept Pharmacy dedication/lab tours, 10 a.m., Sudro Hall, refreshments at 9:30 a.m.

Nov. 5-7

APhA/ASP mid-regional meeting, Moorhead Conference Center in the Courtyard by Marriott. (See page 14 for details.)