



5-1984

## May 1984

University of North Dakota Alumni Association

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# UND grad feels elation, pride as head of coal gasification effort

## It's the first lignite-to-natural gas project in North America

By DARLENE STROMSTAD-BOE

The first coal gasifier in North America to turn lignite coal into natural gas was operational for the first time Wednesday, March 28. The day culminated years of planning and hard work at the Great Plains Coal Gasification Project.

The day had special meaning to University of North Dakota graduate Al Lukes, '67. As operations manager of Great Plains, he's dedicated most of his waking hours during the past couple years to making this project work.

"We were walking on water that day," Lukes said with a smile, leaning forward in his office chair in the administration building. "We were elated... something like the Kennedy Space Center people must feel. I was proud. All of us feel like pioneers. It's a bit of a thrill, actually."

"It was fun."  
Fun. Again and again Lukes uses "fun" to describe his job — a job with special requirements few people could fill, a job with what could be overwhelming pressures. That says a lot about this man.

The Great Plains Coal Gasification Project, just north of Beulah in central North Dakota, is America's first commercial-scale synthetic natural gas plant. Lukes calls it "a huge pilot project." It's designed to convert 14,000 tons of North Dakota lignite coal into 125 million cubic feet of substitute natural gas daily. It's expected the plant annually will produce 45 billion cubic feet of gas from 5 million tons of lignite.

This requires dismantling the molecular structure of the coal and reassembling the resultant hydrogen and carbon as methane, which is the basic flammable ingredient in natural gas.

The operations division is the focal point of the plant — and of this process. Lukes makes the operation sound simple, but a tour of the massive plant site, which on this day has 3,000 workers including the construction crew, verifies what one expects: It is not nearly so simple.

Lukes' manner changes as soon as he leaves his desk and steps onto the site itself. His laughter is less frequent, his delivery becomes more serious. He

recites facts and figures and points out the huge equipment, what it does, how it all fits together. He knows this place as well as the layout of his home. You suspect this plant — this project — has become his home.

He points out the huge coal storage and the crushing facilities. The first step in this complicated process is to crush, on site, 22,000 tons of lignite daily into chunks about two inches in diameter.

About 8,000 tons of that lignite will be too fine for use in gasification, so it's shipped to Basin Electric, adjacent to Great Plains, which uses the lignite to generate electricity. In return, Basin sup-

plies electric power to the gasification plant.

The remaining 14,000 tons of coal goes into the gasifiers. The plant, with all 14 gasifiers operating, should be totally on line by December.

It's in the gasifiers that the molecular bonds break down, resulting in carbon, hydrogen, sulfur, nitrogen and other substances which are released to form the raw gas.

As it exits chambers in the gasifiers, the gas is cooled. The next step is hydrogen enrichment. The raw gas is

(see GASIFICATION, page 4)



Al Lukes, '67, is the operations manager of the Great Plains Coal Gasification Project near Beulah, N.D.

May 1984

University of North Dakota

## ALUMNI REVIEW

### Centennial Campaign local drive exceeds goal, nears \$3 million

The Grand Forks/East Grand Forks Centennial Campaign drive has exceeded its goal and is approaching \$3 million, according to chairman Walt Swingen, '53.

At last count, \$2,795,190 has been recorded in direct gifts, pledges and deferred gift arrangements, easily exceeding the \$2.5 million Grand Forks/East Grand Forks community goal. "The drive is not over yet," Swingen said. "We still have a few calls to finalize."

Swingen and a group of 158 volunteers kicked off their campaign last spring with the stated objective of "leading the way" in the UND Foundation's drive to raise \$25 million as a lasting 100th anniversary gift to the University of North Dakota.

They succeeded magnificently in achieving this goal, with their effort in-

spiring the dozen other campaigns now under way in communities around the state and nation with concentrations of UND alumni. According to Earl Strinden, executive vice president of the UND Foundation, the total national centennial drive, which will end on June 30, 1985, has topped \$19 million in dividends, pledges and deferred gifts.

An examination of the Grand Forks/East Grand Forks campaign statistics show that \$1,495,190 has been raised in direct gifts and pledges from business and individuals. Another \$1,300,000 has been raised in the form of life estates, insurance gifts and bequests.

So far, Swingen reported, the campaign has produced five members of the UND Benefactors (gifts of \$100,000 and higher), 78 members of the UND Presidents Club (\$10,000 and higher), 18 members of the Old Main Society

(\$5,000 and higher), and 110 members of the UND "83" Society (\$1,000 and higher).

Working closely with Swingen was a steering committee consisting of Dick Wold, Gordon Caddis, Winston "Cash" Register, Dave Vaaler, Dick Fiala, Stan Hoistad, Pete Nielsen, Don C. Miller, John Marshall, Ed Gillig, Tom McElroy, Sam Silverman, Richard Smith, Jerry Dunlevy Jr., Marv Devig, Don Bohlman, UND President Tom Clifford and Strinden.

The drive was organized into five major divisions.

Working as area captains under Gordon Caddis in the "professional" division were Alan Warcup, George Unruh Sr., Jim Odegard, Rudy Kuchar, Stan Hoistad and John Gray.

Area captains in the "business" division, headed by Dave Vaaler, were Bing Larson, Andy Swanson, Clarence Peterson, Dick Geigle, Ray Fladland, Pat Keeley, Don Healy, James Hansen, Richard Norgart, Darrell Robideaux, Al Nipstad, George Newton and John Odegard.

Cash Register's "retail and wholesale" division included captains Sam Silverman, Curt Magnuson, Bruce Rupp, Marv Devig, Dean Jelsing, Roger Kieffer, Jim and Joanne McKay, Jack and Yvonne Cronquist, and Bill Graveline.

Providing leadership in the "major gifts" division, headed by Dick Wold, were Don Miller, Pete Nielsen, Ed Christenson, Fritz Mikkelsen, John Marshall, Ed Gillig, Don Lindgren, Don Bohlman, Jim Powers, Curt Olsson, Bernard McDermott, Larry Brown, Clarence Sande, George Unruh Jr., Dale Youngern, Randy Nehring, Ed Olson and Jerry Dunlevy Jr.

Dick Fiala headed the "health and special" division, with captains including Dave Molmen, John Lambie, M.D., Casey Ryan, M.D., Jim Brousseau, M.D., Ralph Campbell, Paul Gillespie, D.D.S., Dave Sande, D.D.S., William Morris, D.O., Ken Svedjan, Bob Jacobson, A. C. Moore, and Olie Dahlen.



It's a sure sign of spring at UND. Much as the swallows return each year to Capistrano, so, too, do medical students flock back to their appointed places in the sun on the steps of the Medical Science Building.



## Report from campus

By Earl Strinden Alumni Assoc. Executive V-P

### UND is developing leaders

In early April as I was enjoying the UND Aviation Department's annual banquet, I thought of a national TV program a couple years ago that included an interview with the U.S. Navy officer who was most senior in length of active duty. She was asked what she considered were the most important changes during her military service. She quickly replied that the quantity and quality of leadership in our country has diminished.

As I observed the banquet audience, which included students, parents and aviation industry executives, and the students who organized the event, I felt proud and confident that the University of North Dakota still is producing leaders. My contacts with our alumni family across this nation reinforce this. We have a proud tradition of UND alumni achievement. We have produced leaders in virtually every field of endeavor as well as in public service. This tradition is continuing at UND. Our society is making a substantial in-

vestment in institutions of higher learning. These institutions have a primary role of producing leaders for our nation. I am confident the University of North Dakota is doing its part.

### Alumni are most important in UND Foundation's success

This Alumni Review issue includes a report about the UND Foundation. It truly is a success story of growth and accomplishment. Our alumni family can feel good about what is happening at UND and to know they are participating in an exciting, noble and worthy endeavor — the building of a great University. We, the alumni staff, are proud of the accomplishments of the UND Foundation and its increasing impact on important happenings for the benefit of UND. We always are aware, however, of the most important part of this success story — you, the loyal and dedicated members of our UND alumni family. We won't ever forget or cease to appreciate you.

### Research and service — the other two parts of the University triad

The other day I read a report about research projects underway at UND. I was impressed and somewhat amazed at the scope of research conducted by UND personnel on campus or in the field. There isn't time or space in this column to list all the projects, but I will mention a few.

UND's role in energy research goes back to the turn of the century when Earle J. Babcock looked into the future and saw a time when the state's vast lignite resource would be important to our state and nation. Lignite research has been conducted at UND ever since. Projects in progress include lignite seam sampling and inventorying, liquifaction and gasification, and waste water treatment for the Great Plains Gasification plant, the subject of a story in this issue.

The University School of Medicine, among other research projects in biochemistry, nutrition and cancer, is exploring early intervention of chronic pulmonary disease. Aerospace Sciences is involved in a number of weather modification research projects and is participating with NASA in remote sensing of flights over thunderstorms. The Engineering Experiment Station is researching the production of fuel-grade methyl ester. The Biology Department is researching partridge ecology in North Dakota.

The government and industry organizations that sponsor and fund research at UND are diverse, and include the National Institute of Health, the National Science Foundation, the

Great Plains Gasification Association, the North Dakota Game and Fish Department, the Small Business Administration, the Bureau of Reclamation, the Department of Energy, CENEX and many others.

Although UND usually is not recognized nationally as a major research center, many important projects are underway on campus. The results will benefit not only North Dakota, but those who live well beyond the state's boundaries.

### The Alumni Center's welcome mat is always out

The summer vacation season always brings alumni and friends back to North Dakota and the UND campus. Whenever you are in the area, please stop by for a visit and a tour of the Alumni Center, the beautifully restored campus landmark.

## Reunions & tours

### Calendar

May 23-25, 1984 — Alumni Days 1984, UND campus.  
May 24, 1984 — Noon dedication of the Elton Ringsak Memorial Display, UND campus, Memorial Union ballroom.  
July 11-26, 1984 — Ireland and Great Britain Tour.  
July 12-14, 1984 — Athletic Department's second annual Jarrett/Sioux Rendezvous, UND campus.  
July 15-29, 1984 — Danube Passage.  
Oct. 12-13, 1984 — Homecoming 1984, UND campus (see details in June issue).

### North Dakota Celebrations

June 14-17, 1984 — Napoleon Centennial  
June 21-24, 1984 — Northwood Centennial  
June 21-24, 1984 — Wells County Centennial and the 75th Anniversary of the Wells County Fair  
June 22-24, 1984 — Forman City Celebration  
June 23-24, 1984 — McIntosh County Centennial  
June 28-July 1, 1984 — Bottineau City-Centennial Celebration  
June 29-July 1, 1984 — Braddock Centennial  
July 3-4, 1984 — Oberon Centennial  
July 1-4, 1984 — Hatton Centennial  
July 1-4, 1984 — Park River Centennial  
July 12-14, 1984 — Cando Centennial  
July 12-15, 1984 — Beach Diamond Jubilee  
Sept. 1-3, 1984 — Mooreton Centennial

### Bismarck, N.D., Reunion March 22, 1984

Attending from MINNESOTA was: Minneapolis — Michael Keim, '82. Those attending from NORTH DAKOTA were:

Beulah — Herbert Messner, '51; Neal Preble; Richard H. Ward, '80;  
Bismarck — Guy Abernathy, '77; Mr. and Mrs. Terry Adkins, '76 (Rawla Busche, '77); Dr. Kent Alm, '51, '63; Clara Anderson (Hultberg), '28; Tobyn Anderson, '80; Mr. and Mrs. Robert Bain (Gladys), '79, '82; David Bakken, '80; Lee J. Balerud, '83; Roland Bateman, '47; Marion Bateman (Linfort), '47; Ronald Becker, '76; Mr. and Mrs. Ed Behrendt (Audrey); Sidney Bender, '80; Claudia Berg, '74; Dr. and Mrs. Clarence Bina, '75 (Leila Tvinnereim, '70); Steve Boettler, '76; Myron "Mike" Bothum, '55, '57; Mr. and Mrs. Arne Boyum, '40 (Cecile); Dr. William Buckingham, '48, '49; John W. Cameron, '59; Mike Conley; Corey Dahl, '80; David Davis, '34; Richard Davison, '60, '65; Mr. and Mrs. Ron Dietz, '67 (Pat Bettschen, '60); Dennis Docter, '79, '82; Wade Dokken, '83; Warren Dotseth; Al Duffey; John Duffey; Mr. and Mrs. Adrian Dunn, '42, '51 (Lu); Dr. Ralph Dunnigan, '53; Louise Edwards (Reed), '27; Blake Evert, '81; Bernard Feland, '71; Dr. Marcus Fiechter, '61, '63; Kevin Finneman, '81; Daniel Fredericksen, '81; Rodney Gilmore, '80; Steven Glinberg, '77, '79; Scott Graham, '78, '83; Jerome Greff; Arland Grunstedt, '54; Dean Haas, '80, '83; Albert Hard, '32; Bruce Haskell, '80; Donald Heavilrand, '69; Robert Hendrickson, '49; Dean Hermanson, '76, '83; Sidney J. Hertz, '83; John Holland, '83; Mr. and Mrs. Duane Houdek, '71, '74 (Deb); David C. Hvinden, '82; Joe Ibach, '83; Carla Jorgenson, '76; V. Frank Kadlic, '58; Robert Kallberg, '68; Bruce Kessel, '81; Mike Kienzie, '76; Bruce Klootwyk, '78; Charles Koch, '58; Roger Kolsrud, '77; Edward Kouba, '66, '83; Bill Lamont; Charles Lang, '76; Milton Lindvie, '61; Evan E. Lips, '41; Douglas Loos, '59; Keith Magnusson, '68; Curtis Maki, '77; James Martin, '77; Robert Matz, '76, '78; Mr. and Mrs. John "Jack" McDonald, '62 (Connie Schanlec, '64);

(See REUNIONS, TOURS, page 3)

### Alumni Review

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### ALUMNI ASSOCIATION BOARD OF DIRECTORS

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UND IS AN EQUAL OPPORTUNITY INSTITUTION

## LOST ALUMNI

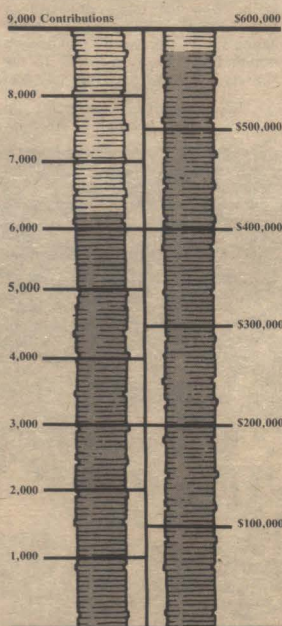
### Can you help us find them?

We are trying to get our address records in the best shape possible. We've lost contact with the people listed below. Some have not been heard from since graduation, some have moved and not sent us a forwarding address, some have married and changed their names, some may have died. We need your help. If you know where any of these people are, or if they are deceased, drop a note with address or date of death to Alumni Records Supervisor, UND Alumni Association, P.O. Box 8157, University Station, Grand Forks, ND 58202.

Persons are listed by last known name, year graduated and hometown.

- \*M. Camillus Galvin, '32, Fargo, N.D.
- \*James Filibeck, '38, Glen Ullin, N.D.
- \*Elaine Hemming Flem, '48, Perth, N.D.
- \*Robert Lewis Allen, '49, Jamestown, N.D.
- \*Paris Guy, '49, Grand Forks
- \*Leroy Goodrich, '51, Grand Forks
- \*Robert Armstrong, '52, Duluth, Minn.
- \*Henry Stacey, '52, Meadville, Pa.
- \*Mildred Fredlund Vorachek, '64, Williston, N.D.
- \*Loren Ard, '65, Winnipeg, Manitoba
- \*Dennis Russell, '69, Valley City, N.D.
- \*Ralph Hallquist, '69, Litchfield, Minn.
- \*James Hale, '70, Bottineau, N.D.
- \*Eric Christensen, '70, Grand Forks
- \*David Rheubottom, '73, Grand Forks
- \*Michael Cadreau, '74, East Grand Forks, Minn.
- \*Kelly Rouse, '75, Marshfield, Wis.
- \*Donald Richardson, '77, Grand Forks
- \*Derald Halverson, '79, Sioux Falls, S.D.
- \*Keith Urban, '80, Melvindale, Mich.

## 1983-1984 SUSTAINING FUND GOALS



As of April 30, the annual UND Sustaining Fund Drive had received \$582,501.59 from 6,277 contributors, compared to \$471,994.38 from 5,932 contributors by the same time last year.

# Student alumni group reports on programs

(Editor's note: This is the second of periodic reports from Telesis, the Student Alumni Association, about its programs and plans. Telesis member Jean Bye wrote this article.)

## 24 students participate in Career Exploration Program

Telesis' Career Exploration Program was a success this year. Telesis was able to match 24 of the 40 students who applied for the "mini-externships," which were held during Christmas break. The students had a chance to observe and gain practical work experience under the guidance of UND alumni and friends. It also gives the alumni an opportunity to share their knowledge with the students.

We extend a sincere thank you to the alumni who participated in the Career Exploration Program: Dr. Bill Powers, Morrie Schwinden, David Watters, James Manly, Joe Strinden, Dwight Thompson, Barry Feller, Gary Valeske, Tom Shorma, Don Hulbert, Bruce Bork, Curt Hallstrom, Judge James Carrigan, Marv Heinert, Cordell Dick, John Marshall, Guy Otteson, Don Youngren, Jamie Little, Robert Hollenbeck, Greg Casemen and Carmelle Schulte.

If you would like to participate in future Career Exploration Programs, please contact the Alumni Center, 701-777-2611.

## Phon-o-thon reaches 1,300 alumni

The Telesis Phon-o-thon also was a success. Telesis members and other volunteer UND students made 1,345 calls, capping the goal of 1,000 calls, during two, four-hour sessions. We had a lot of fun exchanging stories with alumni about the campus. It was interesting to compare tales; some things change and some don't.

## Telesis welcomes new members

Telesis has just completed new member selections for 1984-85. The ten new members are: Bill Altringer, Beth Beiers, Mary Beth Bye, Randy Gershman, Dhru Girard, Randy Halvorson, Dan Ketelle, Reidar Larsen, Lisa Novacek and Ann Olson. Congratulations to these excellent representatives of the UND student body.

## Telesis says goodbye to seniors

For Telesis members, May is a busy month with officer elections, planning for a Telesis summer weekend retreat, studying for final examinations while coping with spring fever and the excitement of graduation for nine seniors. They are Laura Altringer, Jean Bye, Dan Carlisle, Mark Jones, Matthew McGauley, Renee Nowacki, Russ Reinbold, Jim Traynor and David Walsh.

Those of us who will be in town on May 23-25 are looking forward to helping the Alumni Center with Alumni Days. We hope to meet more of you alumni then.

## Homecoming, 1984 set for Oct. 12-13

Homecoming 1984 is scheduled for October 12 and 13. Special reunions, "Get Reacquainted" luncheons, the Sioux Award Banquet and an All-Alumni Party will be announced in the June issue of the Alumni Review. Watch for it!



## Telesis

UND STUDENT ALUMNI ASSOCIATION

Telesis members for the coming school year are pictured with the 1983-84 group. Standing on the staircase in the J. Lloyd Stone Alumni Center are, from left, front row, Randy Gershman, Marianne Anderson, Mike Mohn; row 2, Bill Altringer, Reidar Larsen; row 3, Dan Ketelle, Jim Traynor, Laura Altringer; row 4, Randy Halvorson, Jill Goodall, Michelle Keel, Melanie McGregor, Roxy Miller; row 5, Beth Beiers, Ann Olson, Lisa Novacek, Mary Beth Bye, Kevin Novacek, Mark Isaacson, Dhru Girard; row 6, Jean Bye, David Walsh, Dan Carlisle, Bruce McKay, Matt McGauley and Nathan Ellegard. Not pictured are Steve Baenen, Gail Friedt, Connie Frisby, Ken Halliday, Pete Knoll, Renee Nowacki, Steve Pederson, Russ Reinbold, Joe Stockman, Jim Sweeney and Leslie Willson.

# Contribution to aid Business College

## First National Bank of Grand Forks establishes endowment

The First National Bank in Grand Forks has established an endowment within the University of North Dakota

Foundation to support the College of Business and Public Administration, according to Earl Strinden, UND Foundation executive vice president.

The First National Bank in Grand Forks Endowment will total \$50,000 through an initial contribution of \$10,000 and a commitment for future contributions, according to Richard Wold, president and chairman of the board of the First National Bank.

"The board of directors and the staff of the First National Bank have a strong desire to invest in the ongoing growth and development of the University of North Dakota and to be involved in the historic Centennial Endowment Campaign," Wold said. "The endowment income will support projects that strengthen and develop the College of Business and Public Administration, with a special preference being given to finance and banking and public administration."

Clair Rowe, dean of the College of Business and Public Administration, said, "We are very appreciative of the First National Bank in Grand Forks. They have always been a loyal and generous friend and neighbor for the University of North Dakota. This type of support will help the University of North Dakota to provide quality educational programs within the University of North Dakota College of Business."

## More leaders named for Campaign

The names of the following Centennial Campaign leaders have been added to the list of chairmen previously announced. The Centennial Endowment Campaign will have a corps of volunteer leaders assisting alumni campaign workers in every population center across the nation. The target date for completion of the campaign is June 30, 1985. At press time for this issue of the Alumni Review, the campaign had topped \$19 million in direct pledges and deferred gifts.

## UND Centennial Campaign — Local

Red Lake Falls, Minn. — Mr. and Mrs. William Muldoon, '71 (Janet Goodman, '66); Bottineau, N.D. — Robert Henry, '62; Larimore, N.D. — Dr. Charles Gillespie, '64; Minnewauken, N.D. — Mr. and Mrs. Bill Weber, '73 (Janie Norman, '74); Mohall, N.D. — Mr. and Mrs. James Dignan, '59 (Diane Page, '56); Rolette, N.D. — Dr. and Mrs. Lyle Best, '70 (Susan Tang, '70); Rolla, N.D. — Mr. and Mrs. Arne Boyum, '69 (Janie Theel, '68); Velva, N.D. — Mr. and Mrs. Richard Beall, '73 (Linda Haugen, '74); and Watford City, N.D. — Oscar Knudsen Jr., '74.

## UND Centennial Campaign — National

Atlanta — Walt Ketterling, '49; Chicago — Robert "Bob" Dorsher, '51; Connecticut — Jim Peterson, '41; Eastern Missouri — Jim Robertson, '49; Milwaukee — Allan Huseh, '59; New York — Jim Olson, '50, and Frank Stinchfield, '32; Phoenix/Scottsdale, Ariz. — Jon Elyands, '56; and Palm Springs, Calif. — Graham Lund, '38.

## REUNIONS, TOURS

(continued from page 2)

Scott M. McQuay, '83; Mr. and Mrs. Ben Meier (Jackie); Kevin Midstokke, '79; Mr. and Mrs. Jon Mielke, '74 (Carol Polivka, '77); Dr. and Mrs. Douglas Miller, '58, '59, '60 (June); Scott Modin, '82; Sandy Morgan, '82; Kent Morris; Tom Nelson; Pastor and Mrs. John Nicolai (Lorraine); Morgan Olsen, '80; Gilbert Olson, '48 (Marlys Olson, '56; Mr. and Mrs. Loyd Orser, '48 (Marlys Scott, '50); Robert Orthmeyer, '72; Guy Otteson, '76; Carter Pendergast, '49; John Pendergast; William G. Peterson, '75; Audrey Petz (Larson), '59; Jacqueline Pierce, '83; Mr. and Mrs. Sidney Praska, '73 (Ruth); Mr. and Mrs. Ulrich R. Reichenbach, '74 (Mary Jane Putschler, '73); Lowell J. Ridgeway, '68; Charles Rydell, '71; Don Ryssy, '78, '81; Mr. and Mrs. Howard Sage, '76 (Susan Keller, '76); Mr. and Mrs. Harold Schafer (Sheila); Todd Schimke, '75; Lynn Schloesser, '79; James Schlosser, '62; Mr. and Mrs. Orrell Schmitz, '73 (Ann Harris, '71); Dr. and Mrs. Stacy Schulz, '81 (Carol); George Seaworth, '35; H. Pat Seaworth, '72; Evan Shark; James Simon, '83; George Snider, '79; Denise Steinbach, '83; George Stelmiller, '58; Wayne Stoppler; Patrick Sweeney, '78; Randy Traynor, '81; Morris Tschider, '54; Gerald Vande Walle, '55; John Verwey, '71; Dr. and Mrs. Charles Volk, '52 (Joyce Hanson, '74); John VonKueden, '55; Harold "Hal" Vorseck, '79; Mr. and Mrs. Ray Walton, '54 (Bernice); Ronald "Bert" Wheeler, '48; Mike Zainhofsky, '76; Stanley Zimmerman, '68; Center — Mr. and Mrs. Tom Fryslie, '77 (Judith Keller, '74); Mr. and Mrs. Clyde Howe (Julie); James Marynik, '79;

Fargo — Keith Willy; Grand Forks — Mr. and Mrs. Dale Moquist, '69, '71 (Carol Froelich, '72); Mandan — John Brammell, '66; James Buck, '81; Arnold Fleck, '83; Martin Gronvold, '27; Robin Haaland, '82; Scott Johs, '82; Janice Pratt (Linfoot), '73; James Sullivan; Venturia — Donavon Bender, '79, '82; and Washburn — David Nordquist, '78.

## Lake Placid, N.Y., Reunion March 24, 1984

Attending from BRITISH COLUMBIA was: Salmon Arm — Lois Jensen. Attending from CONNECTICUT was: Portland — Jon Bartlett, '81. Those attending from ILLINOIS were: Des Plaines — Mr. and Mrs. Bob Zombo (Carole); Winnetka — Andy Loughnans and David Loughnans. Those attending from MASSACHUSETTS were: Boston — Tom K. Kenville, '63; and Stan Sawyer. Those attending from MINNESOTA were: Duluth — Jon Gerths; East Grand Forks — Mr. and Mrs. Dale Debertin, '82 (Marge); Vicki Dupont; Minneapolis — Mr. and Mrs. Whitsitt; New Brighton — Mr. and Mrs. Kent Bergene, '81 (Margo Naismith, '83); Park Rapids — Jay D. Mondry, '64; (see REUNIONS, TOURS, page 4)

# Coal Gasification Project Manager Lukes sees need for American-made product

(continued from page 1)

about 2 1/2 parts hydrogen to one part carbon. To increase that ratio to 3 to 1, part of the gas is passed through catalytic reactors, which convert the remaining water in the gas stream into hydrogen and oxygen. The oxygen joins with carbon to create carbon dioxide, leaving the hydrogen free for methanation.

The gas then is sent through a wash of cold methanol for further purification before methanation. The clean gas is passed over beds of nickel catalyst, which causes the carbon monoxide and remaining carbon dioxide to react with the free hydrogen to form methane.

Finally, the gas is cleaned further before it's compressed into a pipeline.

Pipelines leading from the Great Plains plant eventually join with the Northern Border pipeline in North Dakota, which will transport the gas to the country's midsection — the Great Plains states.

Great Plains is owned by a five-member consortium of American energy companies, including subsidiaries of American Natural Resources, MidCon Corp., Pacific Lighting Corp., Tenneco and Transco Energy Corp.

It's no secret that the Great Plains project has been controversial, in part because of the expense — a final pricetag of \$2 billion. Because it involves public funding, during the past couple years Lukes' operations staff of 250 may have wondered if the project would be completed because of political ramifications.

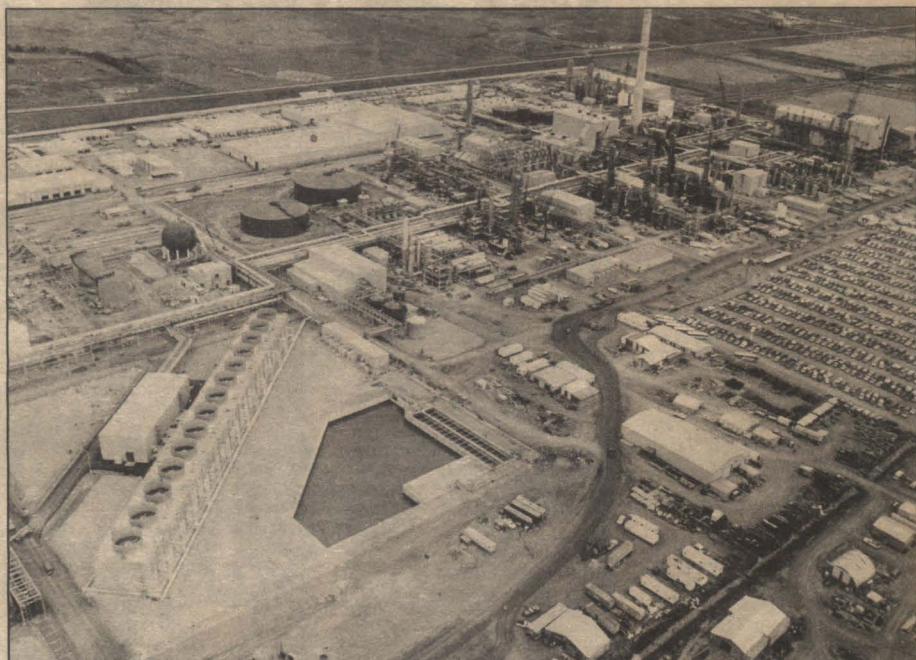
Those doubts can be tough on morale. Lukes works hard to ensure they're not. "My job is to keep this department motivated. I do a lot of P.R. for this staff. Late last year we had a 'fold scare' and it took a lot of salesmanship. My job consists of being optimistic.

"We have the opportunity to be pioneers here. I'm confident if we do our job, because this is a good investment, it will be completed."

Lukes is sold on the economic benefits of the project. Any tour or discussion of the plant comes with a sales job on the project itself.

"Could I do my job if I didn't believe in this project?" he asked. "No, I couldn't. I'm a nationalistic nut. If I felt it was doing an ill to the economy, I wouldn't be here. When we look at what we pay for foreign oil..."

He proudly mentions the numerous byproducts resulting from what's known as the Lurgi process of converting coal to natural gas. Anhydrous ammonia, sulphur, carbon dioxide, creosote, raffinated gases and phenols, a



The Great Plains Coal Gasification Project near Beulah, N.D., is America's first commercial-scale synthetic natural gas plant.

crystalline acidic compound, will be produced for commercial sales.

He jumps into his spiel on the importance of producing domestic natural gas, decreasing America's reliance on foreign gas and oil.

He catches himself and laughs. "I know I can come across too obvious but you can't have fun if you don't believe in it."

Lukes, a native of Fordville, N.D., also is sold on his home state, which provided him — after years of waiting — a job opportunity he couldn't find in many other places in the world. He's studied the Lurgi gasification process in South Africa, which uses it to provide most of the country's fuel, but he's much more comfortable with the modern facility in North Dakota.

After receiving his chemical engineering degree from UND, Lukes took the "big jump" and left the state. He went to Cornell University to get a master's degree.

From there he worked for Dow Chemical and for a small company in Louisiana that produced the propellant used in NASA's space shuttle program.

He spent those years enjoying his work, honing his skills and pining for

his home state. Then he received the opportunity to be involved in the pioneer Great Plains project.

"It's kind of funny... we went from farm to city and back to the farm," Lukes said. He and his wife Ellen (Bernard), '68, formerly of Grafton, N.D., have a home near Hazen, N.D. Ellen also is a chemical engineering graduate of UND.

Their home is not a typical farm, although it is "rural living." And both Beulah and Hazen, small towns by any other state's standards, have become — well, not cities — but certainly big towns.

Both more than doubled their populations due to coal development in western North Dakota. Additionally, Beulah has housed what's been called the "Man Camp," a dorm-like settlement for 1,000 construction workers.

But as the project becomes complete, more and more of the thousands of construction workers are leaving for work elsewhere.

But Lukes' crew will remain. He said it's been difficult to find people who are interested in both the "gearing up" and the operations phases of the plant.

When on line, the plant will have a work force of about 750.

For Lukes himself, he said it should take about 10 more years before all the bugs have been worked out and the plant is no longer a challenge to him. At that point, he expects there will be additional challenges in North Dakota or at least in this country.

He said his work before Great Plains contained most of the elements required for his present job. "Until March 28, there was not the opportunity in this country to start up a coal gasifier. But it is unique. Ethylene, benzene, styrene..." he names off more, "all these I was involved with before fit together for what's required here.

"This may sound corny, but it's predestination."

Lukes said he found that he's more inclined to on-the-spot applied research than clinical research. And where better to do that, he said, than where he's at right now.

However, he's really out of that hands-on engineering. "Unfortunately, my skill is as a manager — but it's as one who uses chemical engineering to understand what needs to be done."

And it's those management skills and understanding of chemical processes that Lukes depended on to get that first gasifier on line in March. And it's those skills he'll rely on before all 14 gasifiers are on line by the end of the year.

He also depends on his staff — many UND grads — and gets results. "UND gave us a good basis. They're doing a good job."

He noted, ending a tour of the Great Plains project, that UND is doing research for the plant on alternative processing schemes should another system be required.

"This took a lot of planning," he said, surveying the project.

It's late in the day and he's in a hurry to finish some work. "I never leave 'til tomorrow what I can do today," he said with a laugh. And, for Al Lukes, that's fun.

## REUNIONS, TOURS (continued from page 3)

**Thief River Falls** — Gayle Kenville (Kielty), '65; and

**Warroad** — Mr. and Mrs. Bill Christian (Carol).

Attending from **NEBRASKA** was:

**Omaha** — Richard Lugert, '70.

Attending from **NEW HAMPSHIRE** were: **Amherst** — Mr. and Mrs. Tom Rodgers, '50 (Sandy).

Attending from **NEW YORK** was:

**Geneseo** — Joe Bartlett, '74.

Those attending from **NORTH DAKOTA** were:

**Bismarck** — Charles Lugert, '72;

**Cando** — Mr. and Mrs. Richard Lord, '56 (Myrna); Mr. and Mrs. Roger Miller, '62 (Katherine);

**Drayton** — Julie Norman; Lee Norman, '39;

**Fargo** — Robyn Williams;

**Gilby** — Mr. and Mrs. Jack Cronquist, '47 (Yvonne Smith); Kent Cronquist, '78; Mr. and Mrs. Kim Cronquist, '78 (Marie); Jeff Dickson, '73;

**Grand Forks** — Joyce Axelsen; Mr. and Mrs.

Leroy Barsness; Lori Barsness, '82; Pat Barsness; Mr. and Mrs. Lee Bohnet, '51 (Elaine LeTournau, '51); Bruce Bork, '72; Jim Botnen, '79; Bob Bustin, '51; Brenda Casey; Mr. and Mrs. Al Clement (Cathy Eccles, '53); Mr. and Mrs. Don Drees (Diana); Mr. and Mrs. Loren Dusterhoft (Dorette Kerian, '69); Linda Flom (Gray), '62; Lori Ford; Sandy Gallagher; Mr. and Mrs. John "Gino" Gasparini, '68 (Kathleen Nelson, '70); Mike Gielen; Harold Grabanski; Mr. and Mrs. Jack Gray, '40 (Ellen); Gerald Hamerlik, '58; Mr. and Mrs. Al Hoffarth, '69 (Mary Rylance, '69); Mr. and Mrs. Stan Hoistad, '50 (Dorothy); Jerry Humble; Virginia Kaloupek (Cox), '60; Mr. and Mrs. Roger Kieffer, '59 (Joan); Dave Kolander; Jerry Kvidt, '76; Dr. and Mrs. Joe Lipp, '66 (Dorothy); Mr. and Mrs. Duane Loven, '63 (Arlene Prosser, '62); Wendy Lunski (Kielty), '69; Mr. and Mrs. John Marks, '70 (Cathy Buen, '70); Dr. and Mrs. Carl Miller (Caralee); Sandra Modisetti; Rita Monson (Bel), '82; Mr. and Mrs. Randy Nehring, '73; Mr. and Mrs. Ken Nelson; Janet Noss; Mr. and Mrs. Dominic Palmisano (Betty); Mr. and Mrs. Donald Palmisano, '71 (Linda); Rick Palmisano, '78;

Scott Palmisano; Al Pearson; Greg Powers, '74; Mr. and Mrs. Dan Quandt, '77 (Kyle Knutson, '77); Rose Raymond; Linda Rohde; Gary Sagstuen; Curt Sandberg, '69; Mr. and Mrs. George Schubert (Arlene Short, '67); Dean Severson; Gail Severson, '80; John Smith, '63; Mr. and Mrs. Neil Smith, '59 (Marion); Dave Washdahl; Mr. and Mrs. Rodney Wilson, '68 (Arlene Christensen, '68);

**Hamilton** — Mr. and Mrs. Don Parnell (Ruth Flett, '42);

**Jamesstown** — John Barger;

**Manvel** — Dave Kinney; Mr. and Mrs. Gordon Kuklok, '75 (Colleen Ryan, '72); Tom Ronan, '72;

**Tolna** — Sandy Engen;

**Valley City** — R. Jon Fitzner, '62; and Dave Malsam.

Those attending from **OHIO** were:

**Orville** — Jeremy Sander; and Mr. and Mrs. Larry Sander, '70 (Margaret Parnell, '69).

Attending from **RHODE ISLAND** was:

**Providence** — Dr. Brad Quamme, '79.

**No Address Available** — Dorothy and John Luney.

# U aviation program is soaring to even loftier heights

## Aerospace Sciences Center is dedicated

The nation's only university facility exclusively for aviation, meteorology, atmospheric research and computer sciences was dedicated Saturday afternoon, April 7, at the University of North Dakota. Under a slate blue sky, UND officials, visiting dignitaries — including NASA astronaut Buzz Aldrin — and friends gathered to officially open the new Center for Aerospace Sciences on the west edge of campus. About 850 people attended the activities scheduled throughout the day.

"This magnificent building dramatically symbolizes the University's commitment to be in the forefront of developments in science, technology and business," UND President Thomas J. Clifford said. "The center's teaching, research and public service... have brought international recognition to the state of North Dakota."

The contemporary, even futuristic, style of the brick and concrete structure reflects the progressive UND aviation department and aerospace industry. The three-story \$4.3 million building occupies more than 55,000 square feet of space.

Sen. Mark Andrews, R-N.D., who was at the dedication, helped procure \$4 million in federal funds for the facility. The other \$300,000 came from the estate of the late Arthur P. Andersen.

Other special guests were leaders from the aviation industry and North Dakota, including Joseph Lapenski, president of Northwest Airlines; Federal Aviation Administrator Donald Engen, who delivered the main dedication address; Russ Meyer, chief executive officer of Cessna Aircraft, the parents' night banquet speaker; North Dakota Gov. Allen Olson; Sen. Bryce Streibel of Fessenden, N.D.; and John Richardson, state commissioner of higher education.

"We are grateful for the opportunities now available to our students, faculty and the nation," John D. Odegard, dean of the UND Center for Aerospace Sciences, said. "We dedicate this facility as a symbol of our commitment to excellence and pledge to continue to push forward frontiers in this creation of knowledge for the advancement of our technological society."

## Jet helicopter acquisition is Olympic spinoff for U



This spring, University of North Dakota aviation students are training in the Olympiad, one of the four jet-powered helicopters that Hughes Aircraft built for transporting Summer Olympic officials around Los Angeles this summer.

by SUE BERG

The University of North Dakota will be bringing home some of the Olympic gold for its Army ROTC students who are majoring in aviation.

The treasure is a red, white and blue

jet-powered helicopter, which is one of only four that Hughes Aircraft built for transporting Summer Olympic officials around Los Angeles this summer.

UND is getting "a heck of a deal" on the helicopter, which is UND's first of this kind, John Odegard, dean of the UND Center for Aerospace Sciences, said. The Center for Aerospace Sciences borrowed \$460,000 from a Denver bank to buy the helicopter on a lease-back arrangement.

UND should not have any trouble making the payments for the Olympiad. Most of the students will learn to fly the helicopter at the Army's expense. UND (see HELICOPTER, page 12)

## Astronaut speaks of space plans

By SUE BERG

The enormous expense of mounting a rocket, sending it to space and retrieving it is one reason space development hasn't taken off. One of the first astronauts to land on the moon suggests that a lottery with a chance to win a trip to space would be one way to gain both financial and public support for space ventures.

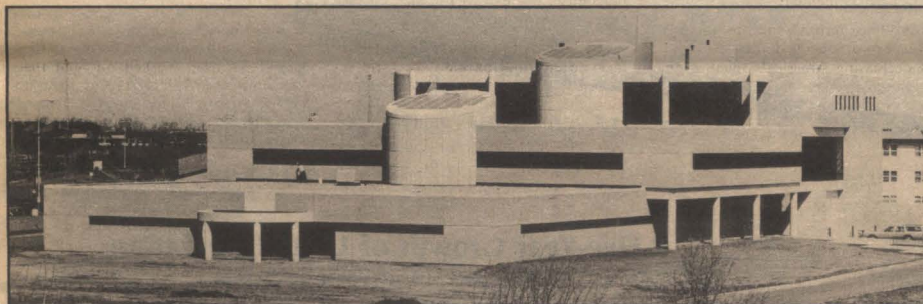
Known to most of the world as Buzz Aldrin, Dr. Edward E. Aldrin recently outlined several ideas to overcome the expense of further space development. He was at the University of North Dakota in early April for the dedication of the Center for Aerospace Sciences.

Plans for the space program should be more long range, "a counter-attack of the short-term, immediate gratification way we approach it now," Aldrin said. "We should plan for 20 or 50 years ahead."

Just as the government subsidized the railroads 100 years ago, it continues to be the only major investor in the space program today. But, Aldrin said, private industry would benefit by bringing the moon's resources down to earth.

"The moon is a definite source of industry," he said. "The three major areas to develop on the moon are electrical power, chemical processing and mining industry."

(see ASTRONAUT, page 12)



ABOVE: The view from the southeast of the new Center for Aerospace Sciences building. BELOW, LEFT: The dedication included open house before and after the official ceremony. Here people mill in one of the building's two atriums, or light wells, which provide illumination and solar heat. BELOW, RIGHT TOP: Sen. Mark Andrews, R-N.D., was one of the featured speakers April 7 at the dedication. BELOW, RIGHT BOTTOM: Former astronaut Dr. Edward E. "Buzz" Aldrin was at UND for the dedication.



Dear friends,

A very pleasant part of the University of North Dakota Foundation's semiannual meeting during Alumni Days will be a review of the latest outside annual audit of the organization's books.

The news from Brady, Martz and Associates, P.C., certified public accountants, will be very good. Consider:

—Nearly \$1.4 million was allocated by the UND Foundation to faculty, students and departments between July 1, 1982, and June 30, 1983.

—The assets of the UND Alumni and Foundation had reached \$17.8 million as of June 30, 1983, an amazing growth of 805 percent over the past five years. The biggest part of this expansion, of course, occurred in 1980 when W. Kenneth Hyslop presented \$5.2 million in land to the UND Foundation. Still, as the chart on this page indicates, the growth has been continuous — up 33.5 percent in 1981-82 and 31.2 percent in 1982-83.

—Revenues to the UND Foundation in 1982-83 totaled more than \$6.5 million, with 61 percent of the total in the form of new gifts and bequests. The board's astute management of the Foundation's portfolio, together with improved economic conditions, resulted in handsome gains in dividends, interest, rents and other income, as well as in the market value of most assets.

This two-page report is intended to give UND Alumni Association members an overview of the stewardship they have delegated to the board of directors and to the Foundation's professional staff. Members of your board are listed on page 12.

A special thank you to all of the loyal and dedicated alumni and friends who are investing in the growth and development of the University of North Dakota. We can all be very proud of what this support is making happen at UND. We are engaged in a very exciting and gratifying effort.

Sincerely,

*James F. Seifert*

James Seifert, '50, President  
UND Foundation

# Reporting on the stewardship of the 1982 and 1983 assets and revenues of the University of North Dakota Foundation

## Management and Trustee Responsibility

The UND Foundation board of directors is very active in the management of the Foundation's investment portfolio, which had exceeded \$18 million at the time this issue of the Alumni Review was published. The board's stated investment policy is to assure preservation and growth of assets while providing sufficient income to fund priority projects which add a "margin of excellence" to the quality of education at UND. On June 30, 1983, the pooled investment portion of the Foundation's total asset mix had a market value of \$5,933,611. This included an unrealized market value increase during the year of \$1,010,318 over the cost value of \$4,923,293. Also, in 1982-83, the net realized gain from the sale of securities totaled \$200,951. Interest and dividend income totaled \$363,502.

The growth of named memorial endowment accounts continues at a rapid rate, increasing in number during the past five years from 35 to 109, up 211 percent. In total, the Foundation manages more than 500 separate accounts.

The Foundation board has also considered the University's needs in making investment decisions. Funds over and beyond endowment income have been "loaned" to UND to allow the financing of important projects. The repayment of these advances earn sufficient interest to cover endowment income needs. Recent examples of this type of arrangement include \$150,000 to remodel the Medical School Family Practice Center, \$65,000 to purchase real estate adjoining the UND campus to accommodate future expansion plans (the University since reimbursed the Foundation from state appropriations), and \$285,000 to construct a steam line from the campus to Medical Science North (the former St. Michael's Hospital), resulting in thousands of dollars per year saved in energy costs.

## Life Annuity Contracts

The UND Foundation acts as trustee for a number of life income arrangements, including gift annuities and charitable remainder unitrusts in which the Foundation is the remainder beneficiary. These assets represent "deferred gifts," which eventually will produce income to benefit UND according to the donor's wishes. At the close of the 1983 fiscal year, the Foundation managed assets in excess of \$3.5 million dollars in this category, with more than \$350,000 being distributed annually to annuity recipients. An additional \$975,000 in assets were held in life estate arrangements.

## Foundation Funded Projects

The following breakdown highlights some of the projects benefiting the University of North Dakota that have been made possible through contributions to the UND Foundation.

### Scholarships and Loans

In 1979, the Foundation managed 77 named scholarship accounts with an annual scholarship outlay of approximately \$34,000. In 1983, more than 150 named scholarship accounts provided \$153,450 to benefit more than 300 students. These figures do not include athletic grants-in-aid. They do represent scholarship allocations from 151 named scholarship accounts as well as the board's substantial commitment to support student scholarships from unrestricted endowments which are designated for priority needs at UND. Additionally, \$110,000 was available in 1982-83 through Foundation supported short-term emergency loan funds. Almost 400 students were assisted.

### Faculty Enhancement and Departmental Support

A large number of donations are received each year to support colleges and departments, either for a specific purpose related to the programs or to be used where the need is greatest within the programs. Often these funds are used to recruit new faculty members, to assist faculty members on leave to earn higher degrees, and to provide summer research funding. The money also allows the departments to supplement state appropriations in order to purchase instructional equipment and to provide travel funds for faculty members to attend professional meetings. Several funds provide resources for visiting lecturers and outstanding teacher awards. This past year \$484,218 was allocated for faculty enhancement and departmental support. Endowments for this purpose have grown to \$818,972.

### Priority Needs

The Foundation has had a longstanding goal of building endowments that allow the Foundation board of directors, in consultation with the president and other top University administrators, to determine how endowment income can be expended for the greatest benefit of UND. Many of these endowments bear the names of the donors and, unless the donor has requested anonymity, the projects funded by the endowment each year are publicized. Endowments for priority needs as of June 30, 1983, exceeded \$6.6 million and allocations for priority projects from income reached \$720,170 during the 1982-83 fiscal year.



Here are examples of priority projects supported by the Foundation since 1979 from unrestricted funds.

Capital Improvements: \$750,000 to build an addition to the Winter Sports Center in time to host the 1983 NCAA Tournament (the addition consists of a foyer, coaches' offices, a large multipurpose meeting room, equipment room and dressing rooms); \$500,000 to remodel the second floor of the Memorial Student Union; \$200,000 to complete renovation of the J. Lloyd Stone Alumni Center, the former president's residence which is now a national historic site; and \$312,000 to build an airport facility which is utilized by the UND Aviation Department under a lease arrangement.

Other priority projects funded over the past five years by the UND Foundation included: \$150,000 towards UND's Centennial observance activities, including \$50,000 to produce the Centennial film; \$15,000 to establish the Carrington, N.D., Life-Long Learning Center; and almost \$50,000 to various departmental, student and faculty priority projects.

Assets from unrestricted endowments have been used on a temporary basis to supplement direct student support in the form of scholarships and loans, over and beyond endowment income generated for these purposes. As a result, the University was able to meet emergency demands for student financial aid caused by recent cutbacks and delays in federal grant and loan programs. Since 1979, \$74,200 has been committed from this source to student scholarships and an additional \$175,000 was advanced to the Student Financial Aids Office to cover short-term emergency loan needs. These advances were subsequently repaid to the endowments.

## Service to Alumni

The board of directors and the executive vice president and his staff have organized the programming and activities of the Alumni Association and the UND Foundation to maximize cooperation, coordination and efficiency. This careful-

ly crafted plan of coordinated alumni relations, record keeping and development has increasingly captured the attention of other similar organizations, which have begun to study and emulate it.

The budget for conducting the activities of the Alumni Association and the UND Foundation are identified by function and programs. This includes allocation of salaries by areas of responsibility. This method of program budgeting allows the staff and board of directors to evaluate performance and results.

For the 1982-83 fiscal year the budget was allocated in the following manner: Alumni Review production, printing and mailing, \$81,059; general office (includes investment and asset management, and professional fees including audit and legal), \$124,722; alumni records and mailing operation, \$104,084; alumni events (on- and off-campus reunion activities), \$23,372; UND Foundation (Annual Sustaining Drive, UND Foundation Giving Clubs, UND Centennial Endowment Campaign, Deferred Giving Programs), \$243,136. The total for the 1982-83 fiscal year for all UND Foundation and UND Alumni Association operating expenses was \$576,363.

These costs are covered in part by income reimbursements for certain services provided by the UND Alumni Association. The remainder of the operating expenses were covered by restricted contributions for the Alumni Review and allocations from designated property and investment income and from unrestricted contributions to the Annual Sustaining Drive.

The UND Alumni Association has a long-standing policy of being a "non dues" organization. All graduates and former students are members of the UND Alumni Association. The Alumni Association and the UND Foundation Board of Directors serve as a volunteer board without compensation or reimbursement. This year's board is featured on page 12 of this issue.

## University of North Dakota Alumni Association and University of North Dakota Foundation Balance Sheet As At June 30, 1983 and 1982

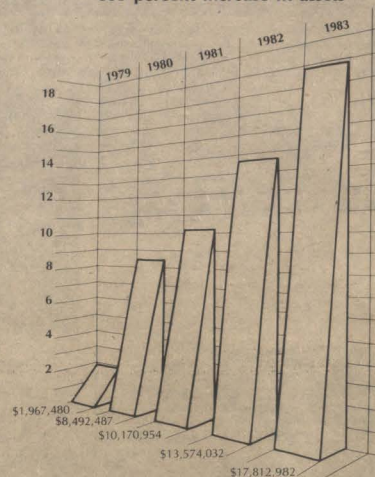
	Total June 30,	
	1983	1982
<b>ASSETS</b>		
Cash	(\$8,734)	\$25,118
Investments (at Market or Appraised Values)		
Securities	\$ 5,933,611	\$ 3,799,618
Assets Held in Trust Accounts	3,198,213	2,922,287
Land	6,694,733	5,358,295
Mineral Rights	456,033	24
Buildings and Fixed Assets	777,230	537,714
Total	\$17,059,820	\$12,617,938
Receivables		
Accounts	\$ 20,435	
Revolving Loan Fund	47,855	\$ 45,025
Notes	676,003	868,819
Accrued Interest	17,603	17,132
Total	\$ 761,896	\$ 930,976
<b>TOTAL</b>	<b>\$17,812,982</b>	<b>\$13,574,032</b>

## LIABILITIES AND FUND BALANCES

<b>LIABILITIES</b>		
Payables	\$68,902	\$15,153
<b>FUND BALANCES</b>		
Restricted	\$ 996,026	\$ 1,298,122
Annuity and Life Income (Irrevocable)	4,511,759	3,228,776
Endowment		
Restricted as to Use of Income	1,857,317	1,599,722
Unrestricted as to Use of Income	178,552	155,975
Quasi-Endowment		
Unrestricted as to Use	6,428,523	6,308,598
Unrestricted	3,771,903	967,686
Total	\$17,744,080	\$13,558,879
<b>TOTAL</b>	<b>\$17,812,982</b>	<b>\$13,574,032</b>

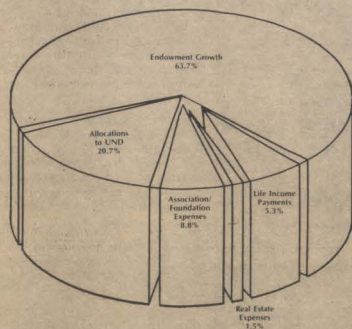
Continued from the Annual Independent Audit performed by Brady, Martz & Associates, P.C., Grand Forks, N.D.

## Five-Year Growth of UND Foundation 805 percent increase in assets



## Income Distribution

1982-83 gifts and earned income of \$6,567,934



Income from gifts and earned income in 1982-1983 was distributed as follows: \$4,185,201 to endowment growth, \$1,357,838 to allocations to priority UND needs and projects, \$576,363 to budgeted expenses of the UND Foundation and Alumni Association, \$96,986 to restricted real estate expenses, and \$351,536 to life income payments.

## Status of Assets June 30, 1983

Endowment	\$ 2,040,852
Quasi-Endowment	6,428,523
Annuity & Life Income	4,511,759
Restricted	1,005,770
Unrestricted	3,826,078
<b>Total</b>	<b>\$17,812,982</b>

Endowment funds are assets that are required to be permanently invested and only the income used. Quasi-endowment funds are assets that the board has designated will be retained and invested, with only the income used. Annuity and life income funds are assets from which the Foundation has agreed to make periodic stipulated payments to the donor which terminate at a specified time with the UND Foundation being the remainder beneficiary. Restricted funds are funds in which the use has been restricted by the donor. Unrestricted funds have no donor restriction.

## Where It Came From Revenues 1982-83

New Gifts and Bequests	\$ 4,286,693
Market Value Growth	1,316,159
Investment Income	805,750
Operations Income	159,332
<b>Total</b>	<b>\$6,567,934</b>

## Benefiting UND 1982-83 Foundation Allocations

Scholarships	\$ 153,450
Faculty Enhancement & Department Support	484,218
Other Priority Projects	720,170
<b>Total</b>	<b>\$1,357,838</b>

# U language learning program extends into high schools, across campus, overseas

## Computer plays role in revitalized instruction efforts

By SUE BERG

Linda Westby now can imagine herself strolling along the Seine River to the Eiffel Tower in Paris, but it once was only a dream for her. Last summer, the University of North Dakota student traveled to France on an Arneberg Scholarship from UND.

UND students have many opportunities to get out of the classroom and into a foreign culture to learn. For the past 25 years, the UND Language Department has awarded foreign travel scholarships. This year, the department awarded \$50,000 to 36 students to travel and study abroad. When all the sources of the funds were added, the amount even impressed some language professors.

"I've never added the various foreign travel scholarships we offer," Paul Schwartz, chairman of the department, said.

The late John G. Arneberg, a Grand Forks physician, and the late Paul W. Larsen, a Grand Forks businessman, provided endowments for foreign travel scholarships that are awarded annually to 30 UND undergraduate students. (Each estate provided \$250,000 to UND.) The Max Kade Foundation in New York provides \$16,000 annually for four UND graduate students majoring in German to study abroad. In addition,



UND language professors Lucy McCallum Schwartz and Paul Schwartz say the computer has an increasingly important role in language education. The Language Department plans to hold a computer workshop for high school language teachers June 4-8 on campus and to acquire computer programs for learning the grammar, practical phrases and vocabulary of foreign languages.

But enrollment is up again to about 1,100 students per semester, Schwartz said, and noted that every entry-level language class usually is filled. Spanish, then French and German, are the most popular among students. Russian, Norwegian, Italian, Latin, Greek, and Mandarin Chinese are also offered.

French professors Schwartz and his wife, Lucy McCallum Schwartz, deserve some of the credit for revitalizing the UND Language Department. They met in 1964 on a ship en route to the Sweet Briar Junior Year Abroad program in Paris. They married in 1969.

With doctorates from Harvard (Lucy's) and Yale (Paul's) in hand, they found few jobs for one French professor, let alone two in 1971. Then Paul heard from UND Arts and Sciences Dean Bernard O'Kelly and Norwegian professor Arne Brekke, then chairman of the Language Department.

"Can you imagine how a name like Arne Brekke sounded to someone from Connecticut?" Paul said with a laugh. The Schwartz's flew to North Dakota in June 1971 to meet Dean O'Kelly and members of the Language Department.

"The weather was beautiful in Grand Forks," Paul said. "In Connecticut, we had a late, wet spring, and it wasn't as green as Grand Forks."

The warm weather and even warmer reception from Language Department faculty influenced Paul's decision to accept a position at UND. After teaching humanities without pay, Lucy joined the French faculty in 1972.

At UND, Paul Schwartz initiated an innovative method to teach language to beginning students. Patterned after a program at Dartmouth College in New Hampshire, the professor presents new material to his class three days a week. On the other two days, the class is divided into smaller groups and student assistants drill the beginners, concentrating on speaking ability.

A unique feature of UND's French program is the summer program at Arcachon, France, which began in 1977 under the direction of Guy Daney, a former UND faculty member. While students study during the month-long program, they live with French families in Arcachon, a beach resort on the Atlantic coast near the French and Spanish border.

UND's three-year graduate program in German requires students to spend the second year studying German at a European university. So far, the Kade Foundation has helped 49 graduate students complete their studies abroad.

The Language Department also is promoting better language instruction in high schools. Lucy is a founder of the Grand Forks Language Task Force, a cooperative effort with area high schools. The group is working for a program that will require Grand Forks students to take a language survey class in the eighth grade. In early May the Language Department held a high school foreign language olympics to test student skills, and it plans to conduct a workshop for language teachers to update their skills and teach them to use the computer in their classes.

Schwartz also plans to acquire computer programs for learning grammar, practical phrases and vocabulary. Eventually, students will check out computer programs from libraries to help them learn languages, he said.

Another goal for Schwartz is to establish a joint degree program with the UND College of Business and Public Administration. Students would study language, marketing and management, and an international internship would be required to earn a degree.

Schwartz goes out of his way to find, develop or modify ideas that will improve language instruction at UND. In 1978-79, he had a leave of absence from UND to direct the Sweet Briar program in Paris. Lucy used the opportunity to study author George Sand. They hope to spend next year on leave in France again. Lucy will exchange teaching positions with Daney, who now teaches high school at Arcachon. Paul will research contemporary authors Samuel Beckett and Georges Perec, and develop audio-visual instructional material.

"Languages should be re-emphasized," Schwartz said, "especially when we realize that the world isn't as big as it used to be."



UND nursing senior Linda Westby leans on a lamppost in front of the Eiffel Tower in Paris. Westby, of Erhard, Minn., attended the UND French program in Arcachon, France, last summer. She was awarded an Arneberg Foreign Travel Scholarship for her trip.

several other scholarships attract high school students to study language at UND and encourage current students to continue their studies.

Such incentive, in part, is why one out of every 10 UND student studies languages. Another reason is a graduation requirement. Foreign language is required for 14 of the 82 undergraduate degrees offered at UND.

However, fewer students study foreign language at UND and other American colleges than they did a few decades ago. Twenty years ago, one out of four UND students was enrolled in languages. Then in 1967, the College of Arts and Sciences dropped its language requirement, and enrollment in foreign language courses declined from 1,800 students each semester to 900 by 1978-79.

## Budge Hall

is just a memory, but it was home for hundreds of UND men (and a few women)



Hundreds of students lived in Budge Hall during its eight decades on the UND campus. During most of that time it served as a men's dormitory (although women briefly lived there during World War II). It came down in 1981.

Here's your chance to obtain a memento of Budge Hall. A limited number of paperweights have been created from Budge Hall brick. Each measures 4 1/4" x 2 1/4" x 1 1/4" in size and is topped with an engraved photograph of the building. The price is \$5.00, postpaid.



Please send \_\_\_\_\_ Budge Hall paperweights at \$5.00 each.

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Mail to: UND Alumni Association / Box 8157, University Station / Grand Forks, ND 58202

# Indian Time-Out is annual occasion for celebrating, learning

Native Americans celebrate their heritage and future, while others learn about the Indian culture during the annual Time-Out and Wacipi on the University of North Dakota campus. "Seek the dreams of your spirit" was the theme of the UND Indian Association's 15th annual Time-Out and Wacipi in early April.

That theme well reflects the life of this year's keynote speaker, Billy Mills. The 1964 Olympic gold medalist in the 10,000 meter run is the only American to achieve that goal. Mills overcame both personal and racial obstacles to realize his dream.

"Our ancestors were defeated but they didn't accept failure," Mills said. "That is why we are here. We need to step back ... analyze, adjust and adapt. You accept failure when you do nothing."

Mills also hosted the annual Omnicity run. Other Time-Out activities included an awards banquet, the traditional Pow Wow, a basketball tournament and conferences about issues of concern to Native Americans, such as bilingual education.

Time-Out began as a campus event even before Art Raymond, an Oglala

Sioux, established the first program for Indians in 1971. Raymond, director of UND Indian Program Development and a member of the president's administrative staff, has played a major role in creating programs that both support Native Americans pursuing a university education and teach them about their heritage.

"Through the 1960s, Indian students who attended and graduated from a college or university often returned to their reservations fully acculturated," Raymond said. "That is to say, they were red-skinned men unable to relate to their own people."

"I vowed early on that we would not make that mistake here. Thus, our students are given background in values, tradition, religion — in a word, culture — and often are 'more Indian,' if such a term is possible, when they leave than when they arrive."

Today, the 325 Indian students at UND have access to many, varied programs, including the Office of Native American Programs, the UND Indian Association, an academic department of Indian studies, Indians Into Medicine (INMED), Indians Developing as Educational Administration Leaders (Project IDEAL) and Upward Bound.



Traditional Indian dance has been a part of each annual Time-Out and Wacipi on the University of North Dakota campus. "Seek the dreams of your spirit" was the theme of the UND Indian Association's 15th annual Time-Out in early April. These men are standing in a circle for a warrior dance. The circle, which is infinite, is a symbol of the Great Spirit. The dance and music are a form of communication with the Great Spirit.

As a result of these efforts, according to the Federal Bureau of Indian Affairs, more Indian students have graduated from UND in the past five years than any other public college or university in the country.

Raymond and his colleagues in other Indian programs at UND feel the special

services for Indians are justified.

"Several things happened to the Native American race in this country that stymied their growth," Dr. Leigh Jeanotte, assistant to the vice president for student affairs, Native American Programs, said. "The increase in the number of students attending UND, the high retention rate and the number who graduate indicates the need for programs of this nature."

Jeanotte, '72, '74, '81, is a Turtle Mountain Chippewa from Rolla, N.D.

Keeping Indian students in school is a major effort of most programs for them. A study done at UND in the ear-

## Giving clubs

Loyal alumni and friend support is an important part of the great University of North Dakota tradition. The UND Foundation Giving Club designation honors those who, by reaching a level of giving, are investing in the ongoing growth and development of UND.

As the UND Centennial Campaign progresses, the Alumni Review will list new members of the UND Giving Clubs. Below are the names of members who have joined since the lists were last published.

### Presidents Club

Sarah H. Allen, Edina, Minn.; Basin Electric Power Cooperative, Bismarck, N.D.; Mrs.

Cameron Blewend (Lillian), Ogunquit, Maine; Gary Gene Bridgeford, Crookston, Minn.; Margaret Carter (deceased), Seattle; Bill and Jane Marcell, Fargo, N.D.; Floyd (deceased) and Ann Marshall, Bismarck, N.D.; Robert and Terri Medhus, Fargo, N.D.; Robert H. Meyers, Geraldton, Ontario; Minnesota Mining and Manufacturing Inc., St. Paul, Minn.; Rodney Nelson, Melissa and Kelley (In memory of Paula Grawe Nelson), Crookston, Minn.; Ruth A. Noren, Jamestown, N.D.; North American Coal Corp., Bismarck, N.D.; and Ed and Mary Ann Odland, Crookston, Minn.

### Old Main Society

Helen Crawford, Madison, Wis.; Jon and Barbara Elyands, Paradise Valley, Ariz.; First Bank of East Grand Forks, East Grand Forks, Minn.; Sherman Hoganson, West Hyattsville, Md.; Dr. Donald and Joann McIntyre, Rugby, N.D.; and Radiology Consultants, P.C., Minot, N.D.

### '83' Society

Don and Kathryn Berg, Alma, Mich.; Dr. Robert (deceased) and Mrs. Annabelle Blatherwick, Parshall, N.D.; Robert Burbidge, Mesa, Ariz.; Bob and Dayle Dietz, Wahpeton, N.D.; Judge Douglas B. and Helene M. Heen, Devils Lake, N.D.; Alberto Iturralde and Nancy Fraser Iturralde, La Paz, Bolivia; Bud and Betty Jacobi, Bemidji, Minn.; Col. Vern E. Johnson, Alexandria, Va.; Sheldon and Kay Joppru, Bismarck, N.D.; Don and Caroleene Jorgensen, Dickinson, N.D.; Darrell W. Kvasager and An M. Curry, Anchorage, Alaska; Robert and Janice Lipsica, Portland, Ore.; John and Eunice MacFarlane, Fergus Falls, Minn.; Randy and Sharon Mann, Fargo, Minn.; Dan and Mary Martinsen, Fargo, N.D.; James and Carol McKay, Palos Verdes Estates, Calif.; Lt. Gen. Donn J. and Elaine Swiggum Robertson, Falls Church, Va.; M. James Robertson, Warson Woods, Mo.; and Florian and Sharon Stafford, APO New York.

## News briefs

The University of North Dakota has retained an architect to prepare plans for a new residence hall to be constructed adjacent to UND's Memorial Union.

UND Vice President for Operations Al Hoffarth said the State Board of Higher Education recently approved the selection of Johnson-Hallvorson-Anderson Architects of Grand Forks to design the five-floor residence hall, the first built at UND since 1968 when UND enrollment was 7,398. Today, 11,050 students attend UND, of whom 37 percent live in University-owned housing.

Hoffarth noted there has been a residence hall shortage of between 250 and 450 beds on opening day at UND since 1976, even though the institution has tripled some rooms normally used as doubles and has pressed into service temporary rooms in such places as Medical Science North (the former St. Michael's Hospital).

In addition to meeting immediate demand, the new residence hall is intended as the eventual replacement of the wood-frame East Hall, now nearing the end of its useful life, Hoffarth said.

Construction on the residence hall should begin late this summer, he said, and should be completed in the 1985-86 school year. It will be funded with \$3 million in revenue bonds approved by the 1983 Legislature. The structure will accommodate 200 students primarily in double rooms, with six single rooms on the ground floor that will be accessible

to disabled students.

Students living in the new residence hall will eat their meals in the UND Memorial Union's Terrace Cafeteria. The nearness of the Union should also make the residence hall popular among summer conference, institute and workshop participants, many of whom now must stay in more distant UND housing west of the English Coulee.

Tuition at the University of North Dakota remains a bargain compared to the rates of its sister members of the National Association of State Universities and Land-Grant Colleges, according to a recent survey. UND's tuition and required fees for undergraduate residents of the state were \$1,020 for the 1983-84 year, compared with a national average of \$1,217. (Minnesota residents qualify for tuition reciprocity).

And UND is an even better buy for nonresident students, with UND's 1983-84 rate of \$1,866 compared with the national average of \$2,968 at 146 peer institutions.

UND's combined charge of \$1,738 for room and board in 1983-84 compares with the national average of \$2,214.

The University of North Dakota chapter of the Delta Upsilon social fraternity joined the Grand Forks Chamber of Commerce in April. It is the

first local fraternity to become a member.

"We hope that through this interaction we may improve our community relations and gain more insight into the workings of the business community," Dan Ketelle, Delta Upsilon vice president for chapter relations, said. "We would also like to learn more about the needs of the city so that we may work closely with the Chamber in developing our community service projects."

Delta Upsilon has been a leader in educational and campus activities since its founding in 1959. For 47 of 48 semesters, the chapter has been first scholastically among UND fraternities and has earned national recognition for its efforts.

Sen. Mark Andrews, R-N.D., is sponsoring two fellowships this semester for the University of North Dakota School of Law. Professor William E. Thoms and Bill Joyce, a second-year student, are serving on Andrews' staff.

Thoms is assigned to the Subcommittee on Transportation of the Senate Appropriations Committee. Andrews chairs the subcommittee. Thoms also will track pending legislation dealing with housing, the judiciary and banking.

Thoms has excellent qualifications for transportation work. He has researched and taught transportation law, and is director of the UND Aviation Law Program.



ly 1970s showed that most Indian high school graduates performed at only the fifth or sixth grade level when they came to UND.

"This is why we had such a dropout rate for so many years," Raymond said. "There's just no way you can compete with someone who is intellectually a college freshman when you're at the fifth grade level."

The special programs, however, don't mean that the University lowers its standards for Indian students, Raymond said. Rather, these programs are designed to give Indian students the same shot at a better life that most people in this country take for granted.

"The first two years here, many of our students need a lot of help," Raymond said. "But when they leave, they have to be qualified in their fields. An engineer has to build bridges that don't collapse, and doctors have to perform appendectomies so that their patients don't die. If we don't do that, we're doing a disservice to them and to the people they serve."

# News notes

## 1920s

**William F. McDonald, '22**, wrote that he is healthy and busy, and added, "UND is still much in my thoughts." He is living in Sacramento, Calif.

**Karleen Rosaen (Home), '27**, recently toasted UND and reminisced about the University during the 1920s with **Alfred "Rocky," '25**, and **Norma Texley (Hanson), '23**, and **Cora May Minear (Hanson), '29**. They met at Cora May's in Walnut Creek, Calif. Karleen lives in Tucson, Ariz.

**Frieda A. Bair (Migge), '28**, has completed "Weathered Years," her fourth book of poetry. It will be released this summer. She resides in Tonawanda, N.Y.

## 1930s

**Roy A. Hanson, '30**, now retired, lives in Palm Springs, Calif., during the winter and Miles City, Mont., in the summer. He was in business in Miles City for about 40 years.

**Robert L. Burke, '32**, a retired attorney, has been the president of several civic groups in Grafton, N.D., including the Eagles, the Chamber of Commerce and the country club. He and his wife, Madelyn, live in Grafton.

**Genevieve M. Taylor, '32**, has traveled to Scotland, Ireland and Egypt since retirement. She lives in Washington, D.C.

**Nelle Hudson (Olson), '33**, and her husband, Dr. I. F., a retired physician, spend their summers in the mountains west of Denver, Colo. They live in Stamford, Texas.

**E. Maine Shafer, '36**, recently formed a financial services company. He was the New Mexico district director of the Small Business Administration from 1979-82, and previously held that post in North Dakota for 10 years. He lives in Albuquerque, N.M.

**Dr. Leigh Gardine, '38**, is president of Webster University in St. Louis, Mo. He founded the Opera Theatre of St. Louis, serving as its first board chairman. A recent newspaper article referred to him as a "catalyst" in the community. He and his wife, Alice, live in St. Louis.

**Ruth G. (Davies), '39**, recently retired from the Employee Development Office of the Veterans Administration in St. Paul, Minn. Her husband, **Erling J. Morkrid, '39**, retired in 1974. They live in Hardy, Ark.

## 1940s

**Arne S. Boyum, '40**, plans to retire in early May as executive director of the North Dakota League of Cities, a position he held for 12 years. He was a legislator for three terms. He and his wife, **Cecile J. (Henry), '40**, live in Bismarck, N.D.

**Vernon "Stan" S. Sorenson, '40**, now semi-retired, is a part-time engineering consultant in the firm SS Composite Engineering Inc. He had worked for 30 years at Lockheed Aircraft Corp. in Burbank, Calif. He and his wife, Gail, live in Leucadia, Calif. They have three sons.

**Vernon L. Dalbey, '41**, recently retired after 41 years in engine service for Burlington Northern and Northern Pacific railroads. He and his wife, Doris, live in Fargo.

**Raymond "Bill" W. Swartz, '41**, retired in 1979 from high school teaching and coaching. He also is a retired Army captain. He and his wife, Jane, reside in Biwabik, Minn.

**Francis W. Olson, '43**, recently retired after 32 years with the IBM Corp. He was an electronics-computer engineer at the firm's federal systems division in Owego, N.Y. He and his wife, Alma, live in Endwell, N.Y.

**Patricia "Pat" M. Von Rueden, '46**, is the NU alumnae province president of the Pi Beta Phi social sorority. She and her husband, Murray, reside in St. Paul, Minn.

**Mary A. Thal (Keck), '49**, owns and manages Mary Ann's Glad Rags, a fashion boutique in Wheat Ridge, Colo. She lives in Lakewood, Colo.

**Eleanor M. Maguren (Frey), '49**, is curator of The Bear's Den, a teddy bear museum. She lives in Monmouth, Ore.

**C. Warren Lindgren, '49, '50**, plans to retire in June as instrumental music supervisor at the Rosemead, Calif., School District. His wife, **Marie J. (Nelson), '47**, will retire from the Mount San Antonio College Library. They live in West Covina, Calif.

## 1951

**Paul W. Buchler, '51**, and his wife, Harriet, own and operate a custom window treatment business. He is a retired U.S. Air Force colonel. They live in Fairfax, Va.

## 1955

**Patricia K. Coffel (Hart), '55**, was recently married to Mitchel Coffel. They live in Pontiac, Mich.

## 1957

**Bradley P. Charnholm, '57**, president of Ellis Agency Inc., was elected to the Norwest Bank, Mandan (N.D.) board of directors. He also is president of the Mandan Hospital Association and the Mandan Planning Commission and a board member of the Heartview Foundation. He and his wife, Judy, and their two children live in Mandan.

**Dr. Henry J. Weyers, '57**, was named medical director of the Crossroads Center at St. John's Hospital in Fargo, N.D. The center treats chemically dependent people. He and his wife, Elvira, live in Fargo.

## 1958

**Hilbert M. Hanson, '58**, plans to retire at the end of the school year after 24 years as Kindred school superintendent. He and his wife, Marian, live in Kindred, N.D.

## 1959

**Sidney F. Bateman, '59**, has been elected vice president and cashier of the First Bank of Sparta (Wis.). He began his banking career with the First National Bank in Grand Forks. He and his wife, Mary, reside in Onalaska, Wis.

**Franklin A. Borchardt, '59**, recently was named national program manager for the technical services division of Henningson, Durham & Richardson Inc. in Omaha, Neb. He will manage the division's marketing activities nationwide. He lives in Valley, Neb.

**Jim E. Dignan, '59**, owns Page Brothers Inc., an implement dealership in Mohall, N.D. He lives in Mohall.

**Terry L. Donnan, '59**, is associated with Fridlund Securities Co. in Wahpeton, N.D. He is a registered representative with the National Association of Security Dealers. His wife, **Miriam A. (Johnson), '59**, is a math teacher at Central Middle School. They have three children and live in Wahpeton.

**James E. Pede, '59**, recently became the administrator of the Jacobson Memorial Hospital and Care Center in Elgin, N.D. He and his wife, Genevieve, have four children and live in Elgin.

**Col. Robert F. Soule, '59**, was elected an Ottawa County commissioner. He resides in Spring Lake, Mich.

## 1961

**Gary A. Flaa, '61**, recently was elected chief executive officer and president of Norwest Bank Mandan (N.D.), National Association. He is past president of the Mandan Hospital Association and the Mandan Industrial Association. He and his wife, Darlene, live in Mandan, N.D.

**Robert E. Nelson-Kortland, '61, '64**, is the general counsel of Charter International, a financial consulting corporation in Reno, Nev. He recently organized the firm's new office in London. His wife, **Louise C. (Crockett), '64**, started a seasonal color analysis service Color You True. Robert, Louise and their two sons model for Eve-Lyn Productions. They live in Reno.

**Chester Van Raden, '61**, is a senior quality engineer in the source assurance department of the Westinghouse Electric Corp. He recently completed a trip around the world. He and his wife, Betty, live in Orlando, Fla.

**John "Jack" O. Leavy, '61**, is the inspector general for auditing of the southwest region of the U.S. Department of Agriculture. He and his wife, Linda, have a son and live in Temple, Texas.

**Ralph E. Mahowald Jr., '61**, is a shareholder in the 95-person law firm of O'Connor, Cavanagh, Anderson, Westover, Killingsworth and Beshears in Phoenix, Ariz. He lives in Scottsdale, Ariz.

## 1962

**Linda A. Smith (Stefanson), '62**, recently became a staff reporter for the New Salem (N.D.) Journal. She also writes the weekly column "Out of My Head" for the Journal. She and her husband, Fred, have three children and live in New Salem.

**E. Will Vatnsdal, '62**, administers the risk and insurance management programs of the Farm Credit Banks of Omaha. He lives in Omaha, Neb.

## 1963

**August Keller, '63**, recently was appointed director of government and public affairs for North American Coal Corp. He resigned his position as director of the North Dakota Energy Development Office to begin his new position. He and his wife, Irene, live in Mandan, N.D.

**Dr. Morley D. Glickin, '63**, is an associate professor in the University of Kansas School of Social Welfare. He was a featured speaker at the UND Department of Social Work symposium during the Centennial. He continues to write and present papers on job satisfaction and productivity. He and his wife, Virginia, live in Fairway, Kan.

## 1964

**Richard C. Trefltin, '64**, is the chief transportation engineer for Fenco Engineers Inc., a division of Lavalin Inc. He is involved in the planning, designing and construction of transportation facilities worldwide. He resides in Scarborough, Ont.

## 1965

**John A. Graham, '65, '67**, recently was appointed executive director of the North Dakota Department of Human Services. Formerly director of the Legislative Council, he is a member of the board of directors of Heartview Foundation and chairman of the Governor's Youth-Adult

Prayer Breakfast. He and his wife, **Janice M. (Klein), '66**, live in Bismarck, N.D.

**Gayle L. Greshik (Trangsrud), '65**, is the educational coordinator of the alcohol and drug abuse treatment program at Anderson Hospital in Edgerton, Wis. She lives in Verona, Wis.

## 1966

**Douglas P. Freiermuth, '66**, is a teacher and head football and baseball coach in Baraboo, Wis. He and his wife, Jean, live in Baraboo.

**William F. Voth, '66**, a lieutenant colonel, is the center threat manager at the U.S. Army Aviation Center in Fort Rucker, Ala., where he and his wife, Phyllis, live.

**Paulette R. Swartz (Undlin), '66, '83**, works for the Grand Forks public schools. She lives in Grand Forks.

## 1967

**Rita M. Resch, '67**, was selected to present the lecture-demonstration "The Art Song: Motion, Emotion and Musical Meaning" in January for a general studies series at Central Missouri State University in Warrensburg, Mo. Only four presentations are selected each year. She is an associate professor of music at CMSU. She resides in Warrensburg.

**Mary A. Walton (Philips), '67**, is the director of the respiratory therapy program at Mount Marion College in Yankton, S.D. She lives in Yankton.

## 1968

**Dan E. Hanson, '68**, was appointed a resident secretary of the Kemper Group's national property-casualty insurance companies. He is manager of Kemper's Seattle office. He lives in Bothell, Wash.

# Remember when

By SUE BERG

## May 1934

The law students beat the medics in a baseball game, despite loud support from a 12-piece "band" directed by Louis "Rubinoff" Silverman. Russell Johnstone pitched for the lawyers, and Louis Schamber for the medics.

More than 800 high school students converged on the University campus for the annual State High School Week. The students competed for honors in various subjects, such as debate, athletics and music.

Camp Depression sported a new coat of bright yellow paint. Plum trees, lilac and spirea bushes were planted nearby for a "homey" touch.

Harriet Helquist was named Most Athletic Coed.

## May 1944

The U.S. Bureau of Mines opened the headquarters for a hydrogen plant at UND. The plant converted North Dakota lignite to hydrogen for industrial use. (It was the forerunner of the UND Energy Research Center on campus.)

Shirley Hubbard was elected president of Mortar Board.

Dorothea Thoraldson, who worked at the University Press, was nicknamed "Epistole Packin' Mama" because she wrote humorous letters to servicemen who had attended UND.

Elected to Who's Who were Frances Ball, Elaine Hansen, Ann Howell, Marvel Larson, Mary Ella Rice, Eleanor Sables and Lois Wilde.

## May 1954

The 30th annual Engineer's Day featured a 10-foot, remote-controlled boat, which cruised the English Coudee. Fellow student engineers named "Slippery" Sam Zimmerman as Chief Oil Can of 1954. Kay Cooper was elected Queen Pat.

Elected to Mortar Board were Sylvia

Boutros, Judith Edwards, Carol Haas, Linnea Hanson, Marlowe Olson, Donna Reisch and Marilyn Simonson.

Seventeen journalism students edited an issue of the Grand Forks Herald. Duane Clark was named managing editor for the day.

Delores Lemm was named Dream Girl, presiding over the Theta Chi Orchid Formal.

## May 1964

Barry Thorndycraft resigned after five years as head hockey coach at UND. His Canadian visa had expired, and Sen. Quentin Burdick, D-N.D., could not persuade Congress to grant another extension. Thorndycraft coached the Sioux to the 1962 national title.

Members of the Sioux golf team were Jim Nelson, Dick Anderson, Ken Mellem, Bruce Aamoth, Arnie Steeves and Mickey Erickson.

Smith Hall was dedicated in honor of Cora Smith, a member of the first graduating class at UND. She later became a prominent physician and suffragette.

Mickey Loden, UND pole vaulter, set a personal and North Central Conference record of 13'3 3/4".

Dave Vorland was sports editor of the Dakota Student. (He now is director of University Relations at UND.)

## May 1974

Steve Aakre was editor of the Dakota Student. Greg Stites was business manager.

Nine Army ROTC cadets and 18 Air Force ROTC cadets were commissioned.

The women named most valuable players in their sports were Sheila Harper and Rae Ann Moe, basketball; Margaret Peterson, field hockey (she now coaches the women's team at UND); Linda Wong, golf; Karen Lee, gymnastics; Paula Justice, tennis; Peggy Parkman, track and field; and Sue Poyser, volleyball.

1969

**Donald N. Carlson, '69**, is president-elect of the Minnesota Association of Secondary School Principals. He is the principal at Walker-Hackensack High School in Walker, Minn. Donald also is a regional representative to the Committee on Small Schools of the National Association of Secondary School Principals. He lives in Walker.

**Gary G. Odegaard, '69**, was appointed manager of the Anfinson's store in Dickinson, N.D. He and his wife, **Candace K. (Johnson), '66**, live in Dickinson.

**James G. Ostergaard, '69**, and his wife, **Nancy (Holler), '70**, own and operate Adventure Trail Campground near Cherokee, N.C. They sell log homes and are starting a real estate firm. Jim also is president of Early American Homes Inc. They live in Cherokee.

**Rev. David H. Wagner, '69**, is pastor of the Family of God Lutheran Church in East Grand Forks. The parish recently dedicated its new church. He and his wife, **Becky**, have two children. Four Vietnamese refugee children also live with the family in East Grand Forks.

1970

**Kenneth J. Berntson, '70**, is the high school instrumental and vocal music director in Lisbon, N.D. He is chairman of the North Dakota High School Activities Association Music Advisory Board, and was recognized as the Outstanding Young Citizen by the Lisbon Jaycees. He and his wife, **Carroll (Dafoe), '70**, and their three children live in Lisbon.

**Marlene E. Hines (Wentz), '70, '71**, was named base manager of flight attendant services for Republic Airlines in Phoenix, Ariz. She

supervises 225 flight attendants. Marlene lives in Phoenix.

**Larry A. Dressel, '70**, is president of the Northern Illinois Water Analysts Association. He and his wife, **Kathleen**, live in Warrenville, Ill.

**Alan J. Eliason, '70**, teaches physical science and computer science at Butte, Mont. He and his wife, **Louann**, and their two children reside in Butte.

1971

**Robert M. Olafson, '71, '72**, was promoted to second vice president for Group Actuarial Services at Minnesota Mutual Life. He lives in West St. Paul, Minn.

1972

**Janet L. Bennett, '72**, is a part-time therapeutic recreator. She also is an English tutor for the Bexley, Ohio, public schools. She lives in Worthington, Ohio.

**Dr. Paul B. Knudson, '72, '74, '76**, recently was named an assistant professor in the UND School of Medicine. He is a staff physician and the assistant program director at the UND Family Practice Center in Bismarck. He and his wife, **Sandra L. (Tice), '72**, live in Bismarck, N.D.

1973

**Wally Goulet Jr., '73**, is the city attorney for Grafton, N.D., and the assistant state's attorney for Walsh County. He chairs the human rights committee of the Grafton State School. Wally lives in Grafton.

1974

**Sister Patricia M. Binko, '74**, teaches English at St. Joseph High School in Tsu, Japan. She taught music in the Grand Forks public schools before beginning her two-year teaching ministry in Japan.

**Bruce L. Dahl, '74, '76**, is a physician with the Crossroads Center at St. John's Hospital in Fargo, N.D. The center treats people who are chemically dependent. He also is assistant professor of family medicine in the UND School of Medicine and a member of the board of directors of the North Dakota Academy of Family Physicians. He and his wife, **Theresa**, and their four children reside in Fargo.

1975

**Timothy F. Bushy, '75**, recently was ordained a Catholic priest. He is associate pastor at the Church of Nativity in Fargo, N.D.

**Gregory P. Sinclair, '75**, was promoted to district sergeant for the Williston district of the North Dakota Highway Patrol. He and his wife, **Kathleen A. Lystad, '76**, and their daughter recently moved from Minot, N.D., to Williston.

1976

**Daniel A. Anderson, '76**, recently received a doctorate in clinical psychology from Texas Tech University. His research was in behavioral marital therapy. He and his wife, **Cheri**, live in Lubbock, Texas.

**Dr. John R. Baird, '76**, is a physician with the Crossroads Center at St. John's Hospital in Fargo, N.D. The center treats people who are chemically dependent. He also is an associate clinical professor in the UND Department of Family Medicine, and serves as the Cass County coroner. He and his wife, **Kim R. (Larson), '75**, reside in Fargo.

1977

**Dr. Leah R. Pietron, '77**, was selected as an Outstanding Young Woman of America. She teaches in the School of Business Administration and Government at Northwest University of Missouri at Maryville, Mont. She lives in Maryville.

**Randy G. Risch, '77**, is a partner in a construction firm. He lives in Appleton, Minn.

1978

**Craig A. Christopherson, '78**, teaches elementary school phy-ed and coaches high school volleyball in Dauphin, Manitoba. He lives in Dauphin.

**Pam Hendry (Rodahl), '78**, was promoted to assistant vice president of the Barclays Bank branch in San Francisco. Her responsibilities include business development for corporate customers. She and her husband, **Brad**, live in Sausalito, Calif.

1979

**Jeannette T. Boechler, '79**, is an attorney with the law firm of Dale J. Craft and Associates in Fargo, N.D. She lives in Fargo.

**Rocky D. Engberg, '79**, is the controller (chief accountant) at Center Mutual Insurance Co. in Rugby, N.D. He and his wife, **Becky**, live in Rugby.

1980

**Kent G. Satrang, '80**, is manager of the Farmers Union Oil Co. in Ellendale, N.D. He and his wife, **Jolene**, have one daughter and live in Glendale, N.D.

**Doris L. Potter (Lampman), '80**, recently was ordained a minister at the First Presbyterian Church in Grand Forks. She serves churches in Meadow and Bison, S.D. Doris and her husband, **Alwyn**, live in Bison.

1981

**Greg J. Bohlman, '81**, was appointed probate officer at the First National Bank in Grand Forks. He lives in Grand Forks.

**Todd A. Clausnitzer, '81**, is a designer-illustrator for Candee Sauresig Advertising Agency in Bismarck, N.D. He also does medical illustration for several Bismarck hospitals. Todd has received many awards for his work. He resides in Bismarck.

1982

**Jerry W. Abbott, '82, '83**, works for IBM. He lives in Rochester, Minn.

**Neal E. Arnold, '82**, recently was promoted to systems officer for First National Bank in Grand Forks. He and his wife, **Diane E. (Gregory), '81**, live in Grand Forks.

1983

**John D. Bullis, '83**, recently became an associate with the Steven J. Lies Law Firm in Fargo, N.D. He lives in Fargo.

**Mark A. Flagstad, '83**, is a part-time attorney for the Ward County state's attorney in Minot, N.D. He also plans to start a private practice. He lives in Minot.



# Water Color Prints of your alma mater!

Your University of North Dakota Alumni Association and Foundation is pleased to offer a collection of four original watercolor prints of the UND campus. Matted for framing, the 11 by 14 inch limited edition prints were created by Gray's Water Color Studios in New Jersey exclusively for the Association. Featured are views of Merrifield Hall, the Law School, the Chester Fritz Auditorium and Fox Memorial Bridge, and the Chester Fritz Library. Order today for delivery in two to three weeks.

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## In memoriam

**Winifred Robertson, '14**, March 12, 1984, Minot, N.D.

**Sherman F. Pinkham, '14**, March 1984, Minneapolis

**Dr. Helmer A. Engh, '17**, March 2, 1984, Mankato, Minn.

**Lydia I. Frank (Leonhard), '19**, Dec. 6, 1983, Edina, Minn.

**Mrs. Arne Skeie (Emma Jorgenson), '20**, Feb. 25, 1984, Leeds, N.D.

**Mrs. Alan Gray (Clara Tussing), '21**, March 14, 1984, Los Angeles

**Mrs. L. T. Sproul (Louise Bennett), '21**, March 23, 1984, Valley City, N.D.

**Mrs. Florence Stull (Cunningham), '22**, Jan. 12, 1984, McLean, Va.

**Albert W. Cook, '23, '24**, Feb. 29, 1984, Aurora, Colo.

**O. David Tingum, '23, '30**, March 10, 1984, Mesa, Ariz.

**Ruth H. Tubbs, '24**, March 3, 1984, Warren, Ind.

**Marcus O. Rue, '26**, March 18, 1984, Lakota, N.D.

**Gerald E. Sande, '27**, March 10, 1984, Golden Valley, Minn.

**Harold R. Weber, '27**, March 24, 1984, Sarasota, Fla.

**Beverly C. Elsberry, '28**, Jan. 31, 1984, Florence, Ore.

**Lyman Robertson, '29**, October 1983, Carington, N.D.

**David C. Haney, '33**, March 9, 1984, Tucson, Ariz.

**Clarence L. Swartz, '33**, Feb. 24, 1984, Menomonic, Wis.

**Dr. Donald J. McDonald, '34, '35**, Billings, Mont.

**Mrs. Mike Zine (Ernestine Linger), '34**, Jan. 14, 1984, Williston, N.D.

**L. Clifford Herness, '36**, Jan. 19, 1984, St. Paul, Minn.

**Robert I. Moseley, '41**, Dec. 19, 1983, Sun City West, Ariz.

**Norman E. Leaf, '41**, Dec. 28, 1981, Raleigh, N.C.

**John E. Loomis, '43**, March 15, 1984, McLean, Va.

**Duane F. Pile, M.D., '43**, March 13, 1984, Santa Rosa, Calif.

**Harold L. Sheets, '45**, March 17, 1984, Grand Forks

**Mrs. Minnie M. Berg (Barry), '48, '60**, March 26, 1984, Minneapolis

**Edward Prondzinski, '40**, March 20, 1984, Grand Forks

**Otto E. Otteson, '50**, Feb. 17, 1984, Swarthmore, Pa.

**Albert C. Abel, '51**, Oct. 30, 1977, Roosevelt, Minn.

**Madeleine Delzer, '51**, December 1983, Palos Verdes Estates, Calif.

**Vice Adm. Homer N. Wallin (Ret.), '52**, March 6, 1984, Seattle

**Mrs. Harlan W. Peterson (Maryanna Melby), '53**, March 24, 1984, Aberdeen, S.D.

**Mrs. Sevie E. Nelson (Johnson), '58**, Kansas City, Kan.

**Stella H. Fritzell, '58**, April 4, 1984, Grand Forks

**Verne A. Heggar, '68**, March 23, 1984, Pine, Colo.

**Clarence O. Sunderland, '71**, March 22, 1984, Grand Forks

**Marian H. Johnson, '79**, March 17, 1984, Williston, N.D.

**Paul E. Schwietz, '81**, March 5, 1984, Cumberland, Md.

**John A. Nagle, '83**, March 8, 1984, Grand Forks

**Steve Baldwin, '84**, March 3, 1984, Grand Forks

**Susan Voigt (Deal), current student**, March 18, 1984, Grand Forks

**Emil F. Paur, FR**, March 30, 1984, Pisk, N.D.

**Mrs. Denver Scrapper (Alice Absey), FR**, March 22, 1984, Grand Forks

**Felix Vondracek Sr., FR**, March 29, 1984, York, Neb.

# The UND Foundation Board of Directors

In this issue we salute the University of North Dakota Foundation Board of Directors who will be conducting the annual meeting of the Foundation on campus during Alumni Days. Created in 1979 as an IRS-qualified foundation to receive and manage gifts to benefit the University, the UND Foundation is directed by the same board that controls its sister independent, nonprofit corporation, the UND Alumni Association. The president of the University and its vice presidents for finance and operations sit as ex officio members. Other members of the 24-member group are elected at the May annual meeting to serve three-year terms, insuring both continuity and the regular infusion of fresh insights and ideas.

The UND alumni organization has a long record of outstanding volunteer leadership. The board's most recent success is illustrated in the report inside this issue, based on the financial statements of an outside auditor, Brady, Martz & Associates, P.C.

## Officers, 1983-1984

**James Seifert**, '50, Cedar Rapids, Iowa. President of Seifert's Inc. President of the UND Foundation.

**Bernold "Bruno" Hanson**, '51, Midland, Texas. President of the Hanson Corp. and an independent consulting geologist, oil producer and rancher. First vice president of the UND Foundation.

**Louise Aandahl Stockman**, '48, Fargo, N.D. Maintains farming interests, active in community service, past president of the North Dakota Historical Society. Second vice president of the UND Foundation.

**James Kack**, '63, Bozeman, Mont. Business executive, investment manager and developer. President of the UND Alumni Association.

**JoAnne Bridston Hedlin**, '51, Marco Island, Fla. Resource associate for Lutheran Brotherhood Fraternal Benefit Society, active in community service. First vice president of the UND Alumni Association.

**Chuck Johnson**, '48, Milwaukee, Wis. News editor of the Waukesha County edition of the Milwaukee Journal. Second vice president of the UND Alumni Association.

**Lyle Beiswenger**, '67, Grand Forks, N.D. University of North Dakota vice president for finance. Treasurer of the UND Alumni Association and Foundation.



Seifert, '50



Hanson, '51



Stockman, '48



Kack, '63



Hedlin, '51



C. Johnson, '48



Beiswenger, '67



Bavendick, '52



Burwell, '60



Clifford, '42



Dewing, '56



Fitterer, '64



Geiger, '48



Hoffarth, '69



Krogfoss, '43



MacFarlane, '61



McIntyre, M.D., '57



Miller, '34



Schorsch, '57



Shide, '48



Smith, '47



Vaaler, '57



Van Eeckout, '62



Whitney, '53

**Earl Strinden**, '58, Grand Forks, N.D. Executive vice president of the UND Alumni Association and Foundation.

## Other board members

**Franklin Bavendick**, '52, Bismarck, N.D. Owner and president of Westex Petroleum Corp.

**Rodney Burwell**, '60, St. Paul, Minn. Owner and chairman of the board, Proform Inc.

**Thomas Clifford**, '42, Grand Forks, N.D. President of the University of North Dakota.

**Merlin Dewing**, '56, Minneapolis, Minn. Managing partner for Peat, Marwick, Mitchell and Co.

**Thomas Fitterer**, '64, Tustin, Calif. Owner and president of Professional Practice Sales, with offices in Los Angeles, San Francisco, Chicago and New York.

**Glenn Geiger**, '48, White Plains, N.Y. Owner of Glenn G. Geiger (Insurance) Co., with offices in White Plains and New York City.

**Al Hoffarth**, '69, Grand Forks, N.D. University of North Dakota vice president for operations.

**Ralph Krogfoss**, '43, Emeryville, Calif. President and chief executive officer of the Charles M. Bailey Co.

**John MacFarlane**, '61, Fergus Falls, Minn.

President and chief executive officer of Otter Tail Power Co.

**Don McIntyre, M.D.**, '57, Rugby, N.D. Internal medicine specialist at the Johnson Clinic in Rugby, N.D.

**Don P. Miller**, '34, Austin, Texas. Retired professional engineer, business and real estate developer.

**Daniel Schorsch**, '57, Jamestown, N.D. Consultant and investment manager, former banking executive.

**Marijo Loomis Shide**, '48, Larimore, N.D. Maintains farming interests, active in community service, former international president and chief executive officer of the General Federation of Women's Clubs.

**Richard T. Smith**, '47, Grand Forks, N.D. Vice president of the Grand Forks Seed Co.

**David A. Vaaler**, '57, Grand Forks, N.D. Owner and president of Vaaler Insurance and chairman of the board of Northern Airways.

**Gerald Van Eeckout**, '62, Arvada, Colo. President of ConferTech International, Inc.

**John Whitney**, '53, Dorado Beach, Puerto Rico. Principal owner, president, and chairman of the board of Gaymar Industries.

## ASTRONAUT

(continued from page 5)

Aldrin and a group of research associates hope to secure funds from private investors to study the feasibility of a lunar power system. The system would collect and store energy on the moon, and then send it to earth via laser or microwaves.

"Hopefully, by the turn of the century, we should have a permanent presence on the moon," he added.

Another of Aldrin's research projects will study the visual and psychological ramifications, rather than the physical ailments, of zero-gravity sickness. A scuba diver, Aldrin was the first to note the similarities between the underwater world and outer space. Astronauts now train underwater for space walks.

Aldrin visited the campus with Cliff Enger, a 1933 UND graduate and Los Angeles entrepreneur. Aldrin, president of his Los Angeles-based firm Research & Engineering Consultants, is a special consultant to Enger and his Beverly Hills Oil Co.

The center is "significant and meaningful," Aldrin commented. "It looks progressive and innovative and will make a great contribution to the state of North Dakota and the area. It will fill a need for a broad-based understanding of general aviation."

## HELICOPTER (from page 5)

will charge approximately \$400 an hour to fly the Olympiad, and about 50 hours of flying time are required for the FAA commercial helicopter certificate with an instrument rating. The Army will pay about \$40,000 for each ROTC scholarship winner to receive instrument certification. In exchange for a university education, the ROTC student is required to serve four years in the Army.

"It's the Cadillac of helicopters," UND senior Tom Grubish said. Grubish, of Mankato, Minn., is one of the first five ROTC students to train with the Olympiad this spring before it goes to Los Angeles in July. Hughes then will reconduct the helicopter and return it to UND in time for about 30 ROTC students to begin training this fall.

Students have two advantages learning to fly this style of helicopter, compared to UND's three other helicopters which have piston engines, according to Dr. Dale DeRemer, UND associate professor of aviation.

"First, students can learn to fly a turbine helicopter and learn the principles of turbine-powered engines," DeRemer said. "Secondly, our students will receive instrument training in the Olympiad."

The Olympiad can fly up to 170 mph — more than twice the speed of other

helicopters — which means that it can keep up with other aircraft in take-offs, landings and approaches. At that speed, students will learn to use the Olympiad's sophisticated instruments rather than visual landmarks to navigate and approach for landing.

"This is the only University with an Army ROTC program that offers its aviation students an opportunity to complete their flying requirements for the FAA certificate in University helicopters," Lt. Col. Edward Gale, UND professor of military science, said.

Gale said the U.S. Army Aviation Center and School at Fort Rucker, Ala., has "a great need for the helicopter-trained students who graduate from this unique Center for Aerospace Sciences and Army ROTC program." Helicopter pilots are in demand because the Army has eight helicopters for each fixed-wing aircraft.

"Helicopters can live with the land forces," Gale said. "Helicopters don't need landing strips; they can put down right beside the forces."

UND graduates in the ROTC program seem to do well at Fort Rucker, Gale said. Lieutenants Cory Mahanna, '83, of Devils Lake, N.D., and Brian Gora, '83, of Prescott, Wis., are tied for first in their class of 50 students at Fort Rucker.

