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Governor studies UND budget of \$36.6 million

The State Board of Higher Education has approved a 1975-1977 general budget of \$36.6 million for the University of North Dakota. The proposal will be reviewed and possibly revised by the Governor's Office before being considered by the State Legislature early in

Although the dollar amount requested for the next biennium is substantially higher than UND's current authorization of \$26.5 million, University officials said the proposal calls for just minimal increases in programs and personnel. Rather, the budget reflects the wishes of both UND and the Board to make, in an era of rampant inflation, fair salary adjustments and to strengthen instructional support areas (such as equipment) needed to adequately continue the University's present operational level.

The Board of Higher Educational also approved budgets of \$9 million for the UND Medical Center and \$7.9 million for the self-supporting Rehabilitation Hospital. These budgets also are subject to review by the Governor's Office before being considered by the Legislature.

A separate issue to be considered by the Legislature early in the session will be a bill recommended by the Legislative Research Council to provide 11.9 per cent salary increases effective Jan. 1 for faculty and staff of the state's institutions of higher education.



Alumni Board of Directors

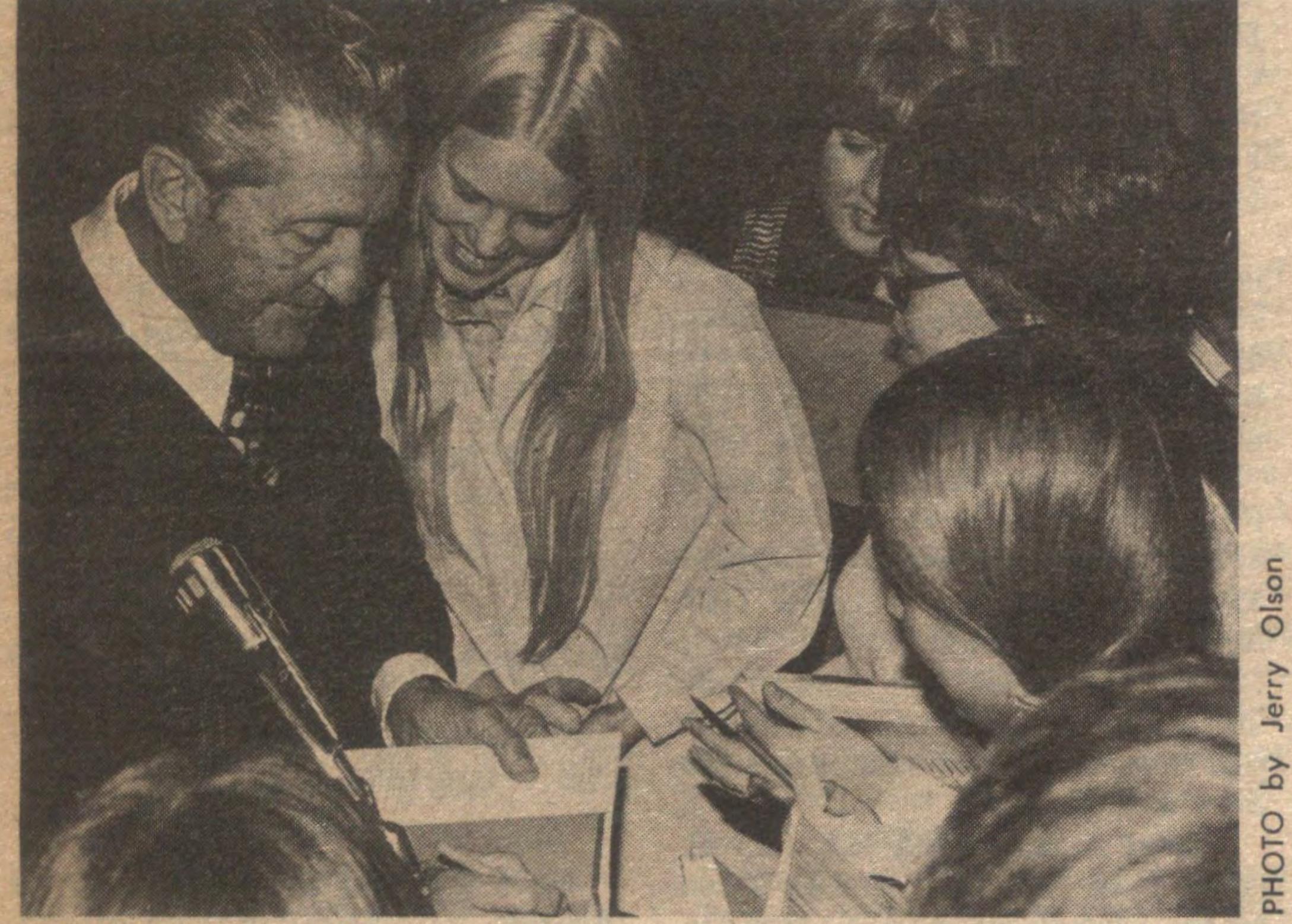
CURRENT MEMBERS of the University of North Dakota Alumni Association Board of Directors include (seated, I. to r.) Joe Baker, Ed McDermott, Warren Hanna, Bruce McArthur, Emmet Judge, Grace Martin, Albert Hartl and Earl Strinden. Standing (I. to r.) are Rita Traynor, Fred Bredemeier (auditing staff), Eugene Dahl, Wes Christopherson, Jim Ramsland, Gilbert Olson, Linda Gardner (office staff), J. Lloyd Stone, Bonnie Sobolik (office staff), Paul Larson, Florence Teters (office staff), Fran Fox, Gerald Skogley, Lowell Swenson, Thomas Clifford and Stanley Walsh. Not pictured are Gordon Caldis, Jerome Dunlevy, Thomas Barger, John E. Davis, Ruth Everson, Mark Foss and Webster Pullen. The Board's most recent meeting was held on the UND campus during Homecoming '74.

University of

North all min review

VOL. LVII

GRAND FORKS, NORTH DAKOTA - DECEMBER, 1974



YOUNG AUTOGRAPH seekers crowding around Lawrence Welk at UND are one indication of the popularity of the well-known North Dakota maestro. Welk met with students while he was in Grand Forks to address the 50th annual meeting of the Greater North Dakota Association.

Welk Foundation adds to music scholarship fund

The Lawrence Welk Founda- dress the 50th annual meeting tion has presented a \$5,000 ad- of the Greater North Dakota dition to a scholarship fund it Association, the famous maes-Alumni Association.

to the University last year, with Center and met with students music scholarships. On his recent trip to Grand Forks to ad-



See the graph of Development Fund progress, page 3

began at the University of tro personally presented the North Dakota last year, accord- first Lawrence Welk Music ing to Earl Strinden, executive Scholarship to Mike Halstenson, vice president of the UND a freshman from Niagara, N.D.

While on campus, Welk tour-The foundation donated \$4,000 ed the new Hughes Fine Arts Welk requesting it be used for in an informal question and answer session.

A native of Strasburg, N.D., Welk received the UND Alumni Association's highest honor, the Sioux Award, in 1959 for his achievements as a radio, television and recording artist and for his loyalty to his home state. He also is a recipient of the Rough Rider Award, the highest honor bestowed by the State of North Dakota.

"Mr. Welk has long shown his loyalty to North Dakota and his dedication to providing more opportunities for the young people of America," Strinden said. "We are deeply grateful for his gifts of both personal attention and scholarships which have and will do much to help students at UND in their pursuit of higher education."

Alumnus shares expertise

The following story is used with permission of The Dakota Student. Mary Bernabucci is a senior from Jamestown, N.D., majoring in journalism.

By MARY T. BERNABUCCI Dakota Student Reporter

An audience of UND students and faculty was reassured recently that the current economic situation will begin improving by the third quarter of

"Without a question, there is a recession, but I don't think we're headed for a major economic downturn," said Donald Grangaard, a UND alumnus and president of the First Bank System of Minneapolis. "By the third quarter of 1975, this will begin to crawl back up. We outlive these experiences."

Grangaard was a guest speaker for the College of Business Public Administration's Executive - in - Residence Pro-

The main thrust of Grangaard's address was aimed at the student planning a career in business. "As you move through the world, you must travel lightly but be thoroughly equipped to handle situations which will confront you," he said, adding "don't forget the basics and travel lightly. It isn't easy, but one must be selective in choosing qualities of character, manners and personality."

Grangaard also discussed the role of business in society today, noting that "the profit making sector must now be called upon to answer the demands of social improvements, such as pollution control, although these demands might not always be within the realms of the profit margin."

The Executive - in - Residence Program is in its third year, according to Claire Rowe, dean of the College of Business and Public Administration.

"The program has been made possible primarily through the volunteer effort on the part of the business executives, usually UND graduates, who are invited to participate in the program," Rowe said.

On campus for one and a half days, the executive meets informally with faculty and students, visits various classes and

presents a keynote address to the University community.

The purpose of the program, according to Rowe, is to expose the ideas of leading businessmen in the country to students

and faculty of the University, and thereby to share knowledge of the social responsibility of industry in relation to government and society as well as career information.



EXECUTIVE-IN-RESIDENCE Donald Grangaard, president of the First Bank System of Minneapolis, Minn., and a 1933 graduate of UND, returned to campus last month to share his knowledge and experience in the banking profession with students and faculty.

Reaccreditation awarded to Rehabilitation Hospital

The University of North Dation Hospital has been reaccredited for the standard three-year can Hospital Association Sechas announced.

toration and vocational adjust- ciation. ment have been accredited in the past. Audiology and psychosocial adjustment were evaluated for the first time this year.

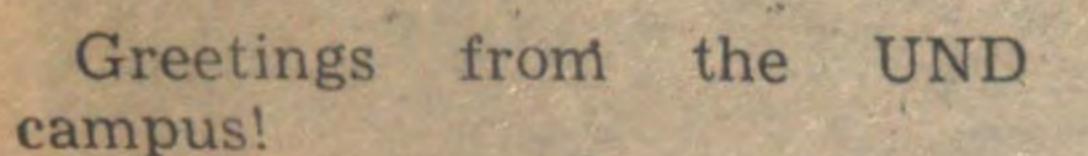
Accreditation is a voluntary procedure beyond the requirements of state licensing and certification procedures, according to Kenneth Aitchison, hospital administrator.

The Commission on Accredikota Medical Center Rehabilita- tation of Rehabilitation Facilities is sponsored by the Ameriperiod by the Commission on tion on Rehabilitation and Accreditation of Rehabilitation Chronic Disease Hospitals, Facilities, Dr. Donald Barcome, Goodwill Industries of America, the hospital's medical director, International Association of Rehabilitation Facilities, National All five of the hospital's ma- Association of Hearing and jor programs were evaluated by Speech Agencies, National Easa team of four specialists and ter Seal Society for Crippled accredited by the commission. Children and Adults and the Speech pathology, physical res- National Rehabilitation Asso-

> The new Rehabilitation Hospital, located in the Medical Park Complex, was completed earlier this year and dedicated May 24. With 88 in-patient beds and extensive out-patient facilities, the hospital serves citizens from throughout the state and adjoining areas.

REPORT from the CAMPUS

By EARL STRINDEN



We thought you would enjoy funds for music scholarships. reading about Ira Frendberg, '10, and we have included a story about him in this issue. He is a most active member of the UND alumni family and a remarkable individual. He attends almost all of the alumni events on the campus and has traveled on a number of our Alumni Association - sponsored foreign tours.

Ira is a number one fan of the Fighting Sioux and rarely misses a home football, hockey or basketball game. He also loves music and even though he is totally deaf, he frequently attends concerts at the Chester Fritz Auditorium.

An enthusiastic ATO, Ira proudly wears his fraternity jacket and enjoys visiting the ATO house and playing pool with members of his fraternity. As far as Ira is concerned, there is no such thing as a generation gap.

We have had two very distinguished visitors on the campus recently-Don Grangaard, '33, president of First Bank Stock Corporation in Minneapolis, and Lawrence Welk, the famous North Dakota maestro and

Mr. Grangaard spent two days with us as an executive in residence at the College of Business and Public Administration. He gave an excellent ments in future Reviews. presentation to the faculty and students about banking and the economy and fielded many questions. We were pleased to national TV recently when the give him a tour of the campus Minnesota Vikings defeated the and a look at the Chester Fritz St. Louis Cardinals. Dave, from Auditorium and the Winter Sports Center.

The executive in residence National Football League. program is excellent. This type of dialogue between top business leaders and the students and faculty at UND is a most worthwhile educational experience.

Mr. Welk was in Grand Forks a few weeks ago to address the fifty year anniversary convention of the Greater North Dakota Association. He took time from his busy schedule to visit the new Hughes Fine Arts Center and to meet with students at the University Center. He also watched the Sioux win in both hockey and football. This was his first hockey game and he was favorably impressed.

Mr. Welk has never forgotten his home state and is without question North Dakota's number one booster. The students of today may not "dig" his music, but they are quickly captivated by this unpretentious, genuinely unselfish man.

He is dedicated to providing the young people of America with more opportunities. He expresses the viewpoint that our young citizens are not given enough responsibility and opportunity to achieve and he is working in many ways to help youth, including students at UND where he has provided

The response to our Summer of '75 Alumni Tour of Alaska has been great. If you are interested in traveling with 40 UND alumni through some of the most beautiful country in the world, we hope you will make your reservations for Alaska in '75.

Indian Wells, Calif., and the Erawan Garden Hotel will be the site for a special UND weekend reunion Jan. 30-Feb. 1. The Stones, Bill Durnins and Larry Prays have planned an enjoyable weekend for our UND alumni. This area abounds with beautiful sunshine and golf courses and is a delightful winter vacation spot. This issue carries ads for both the Alaska Tour and the Indian Wells reunions. Send your reservations to the UND Alumni Office.

The proposal to consolidate the UND and NDSU Colleges of Engineering with departments on both campuses under one dean has received a good deal of publicity and favorable editorial comment in North Dakota. The plan is naturally causing a good amount of debate on the two campuseslong-time friend of the Univer- both by students and faculty. The presidents feel that this is a necessary move to eliminate duplication and strengthen engineering education. We will keep you posted on develop-

> Dave Osborn, '65, thrilled UND alumni throughout the nation with his performance on Cando, N.D., was star at UND and is a ten-year veteran of the

Another former Sioux, Errol Mann, ex '67, from Campbell, Minn., recently kicked a clutch field goal to lead the Detroit Lions to victory. He also is having a great year.

Both of these fine athletes are active and loyal boosters of their alma mater.

It hardly seems possible, but this is our December issue and the last Review of 1974. To all of our loyal alumni and friends, a most sincere thank you for your support of the Development Fund during the past

Our 1974-75 campaign is off to a good start, but we will need your help to reach our goals of \$100,000 in unrestricted contributions and 6,000 contributing alumni. Remember, your contribution to the UND Development Fund is tax deductible. Our loyal alumni are continuing to do many nice things for this great University.

A Merry Christmas and a Happy New Year from all of us at the University of North Dakota!

Savings and loan donates \$40,000 to medical school

The University of North Dakota has announced completion of an agreement with First Federal Savings and Loan Association of Grand Forks and Grafton by which the association will donate \$40,000 to aid development of primary care departments in the UND School of Medicine.

The UND School of Medicine plans to prepare most of its students for primary care specialties-considered to be the state's prime physician need, according to Dr. John Vennes, acting dean. Primary care includes family practice, internal medicine, obstetrics-gynecology and pediatrics.

First Federal pledged the gift in July, 1972, with the stipulation that it be used for the development of a degree-granting medical school should such an education program be approved at UND. The degree-granting School of Medicine was later authorized by the 1973 Legislature and admitted its first third-year students earlier this year.

Under the procedures outlined in the agreement, the Uni-

versity will receive \$10,000 per year for four years beginning in January, 1976.

First Federal also will provide a gift of \$10,000 to the United Hospital St. Michael's Unit in January, 1975.

"The Bridston family and First Federal Savings and Loan have shown a genuine interest in the development of a degreegranting medical school for many years and we are deeply grateful for this continuing support which will help to ensure the establishment of a high quality program of medical education at UND," Vennes said.

The gift to UND was given in honor of J. B. Bridston, father of Paul Bridston, the First Federal president, who attended UND in 1917-18, served in the North Dakota Senate from 1939 through 1956, and was instrumental in establishing the statewide one mill levy which helps support the School of Medicine. He was one of the early advocates of a degree-granting medical school at UND, making such a proposal as a state senator in 1953.

News Notes / alumni of the 1900's-1940's

Mrs. Marguerite Vickery (Marguerite Brown, '03) recently celebrated her 91st birthday in East Grand Forks, Minn.

1920's Dr. Raymond Tyvand, '23, is a urologist in Puyallup, Wash. Karl Plain, '25, '27, lives in Stillwater, Minn., and is station manager of FM radio station KSTP in Minneapolis-St. Paul.

Henry Hendrickson, ex '28, has been appointed a public information coordinator for the

Garrison Diversion Conservancy District in North Dakota.

1930's

Merritt Welch, '30, is chairman of the board of Implement Dealers Mutual Insurance Co., Grand Forks, N.D., and has been appointed to head the new Fund Development Department of United Hospital in that city.

John West, '31, has retired from his position as corporate secretary of Otter Tail Power Company after 30 years with the firm. During retirement, he intends to assume duties with West Central Airways, Fergus Falls, Minn.

Mrs. Robert Feidler (Marie Mynster, '31) has retired from teaching in the Grand Forks (N.D.) public school system and announced her return to law practice with her husband, Robert Feidler, '48.

Obert Teigen, '32, '34, has retired from his position as Associate Justice of the North Dakota Supreme Court, to which he was appointed in 1959 and elected for 10-year terms in 1960 and 1970. During his tenure on the state's high court, he served as chief justice from March 1966 until January 1971.

Hilma Jorgenson (Lillehaugen, ex '32) has retired after a 41-year teaching career. Since 1961, she had taught at Towner (N.D.) High School.

Daniel Pasonault, '34, is program entertainment director for Hotel International, Freeport, Bahamas.

Mrs. Robert McShane (Mary Arneson, ex '34) is a special education teacher in Alamo, Calif.

Clifford Hall, '35, teaches in Seattle, Wash., public schools. Joseph Reinertson, '36, recently received a citation for

o u t standing service from the Diesel and Gas Engine Power Division of the American Society of Mechanical Engineers. He is head of the internal com-

bustion and gas turbine engine branch of the Naval Ship Engineering Center, Hyattsville, Md.

Wilford "Bill" Miller, '36, a well-known wildlife photographer, recently had a collection of his color photographs displayed at the State Historical Society in Bismarck, N.D. He is a media specialist at United Tribes Employment Center in Bismarck.

Dr. Olger Myhre, '38, recently resigned his position as profes-

sor of education and psychology at Minot (N.D.) State College after 22 years to become superintendent of Carpio (N.D.) Public School.

Jacob Plain, '38, recently retired after 34 years with Sears, Roebuck and Co. At the time of his retirement, he was national director of business and economic education. He makes his home in Dallas, Tex.

James Keogh, '38, has been appointed a sales associate with Town & Country Real Estate, Inc., in Grand Forks, N.D.

Jelmer Shjeflo, '39, has retired from the Water Resources Division of the U.S. Geological Survey after more than 35 years of work in North Dakota, Minnesota and Ohio. He was chief of the Bismarck, N.D., subdistrict office at the time of his retirement.

1940's

Earl Mundt, '40, is director of drama at Augustana College, Sioux Falls, S.D.

Stan Haas, '47, has been appointed North Dakota Highway Department Bridge Engineer.

Robert Ellingson, '48, has been elected vice president of Paper, Calmen-



Paul, Minn.based steel distributor, manufacturer and fabricator. He heads the steel service and products division and previously managed the industrial fabricating de-

son & Co., a St.

partment.

Marold Perry, Jr., ex '48, is professor and chairman of the department of orthodontics at Dental School Northwestern received the and recently Northwestern Alumni Merit Award.

William Spornitz, '49, has been named registrar at Morningside College, Sioux City,

ALUMNIREVIEW

University of North Dakota

The University of North Dakota Alumni Review is an official publication of the University of North Dakota, Grand Forks, N.D. 58202. Published monthly except for February, July and August by the University for alumni and former students in the interest of the University of North Dakota. Second class postage paid at Grand Forks, N.D. 58201. Any correspondence and address correction forms should be sent to the Alumni Review, University Station, Grand Forks, N.D. 58202.

Editorial assistance provided by the Office of University Relations, University of North Dakota.



Jan. 10-11-Denver, Colo. Jan. 30-Feb. 1 — Indian Wells, Calif. (Palm Desert) (See ad in this issue.)

Feb. 15-22-Mexico Tour March 22-Les Angeles, Calif.

(Hollywood Palladium) April 4-St. Louis, Mo. April 5-Kansas City, Mo. May 21-23—Alumni Days, UND Campus

(Special reunions classes of '25 and '35, details to be announced.)

July 23-Aug. 4-Alaska Tour (See ad in this issue.)

Denver, Colo.

Friday, Jan. 10 and Saturday, Jan. 11, 1975, hockey weekend. Annual Hockey Party at the Tiffin Inn, 1730 South Colorado Boulevard, following the UND vs. University of Denver game

Saturday. Approximately 200 seats are available for Friday's game and 400 for Saturday's game.

Make reservations for the hockey series and party by contacting Mrs. Peter McGraw, 5940 Everett Street, Arvada, Colo. 800004; phone (303) 421-

Kansas City, Mo.

Saturday, April 5, 1975. Details to be announced. For further information, contact Duane Schue, 10509 Meadow Lane, Leawood, Kan. 66206; phone (816) 241-5300 extension 518.

Los Angeles, Calif.

UND night at the Palladium with Lawrence Welk is being held again this year at popular request. A special Nodak price of \$7.50 per person has been set. The social hour begins at 6:30, followed by dinner, dancing and entertainment. Mark Saturday, March 22, 1975 on your calendar as a must. Reservations may be made with Judge Edward O'Connor, 149 North Cliffwood, Los Angeles, Calif. 90049.

St. Louis, Mo.

Friday, April 4, 1975, tentative date. Details and chairman to be announced.

Mexico Tour

A few seats are still available for the UND Alumni Mexico Holiday in Guadalajara, Feb. 15-22, 1975. Arrangements can be made for flights departing either Grand Forks or Los Angeles. For information, contact UND Alumni Mexico Holiday, A.A.A. - World Wide Travel Agency, P.O. Box 1701, Grand Forks, N.D. 58201.

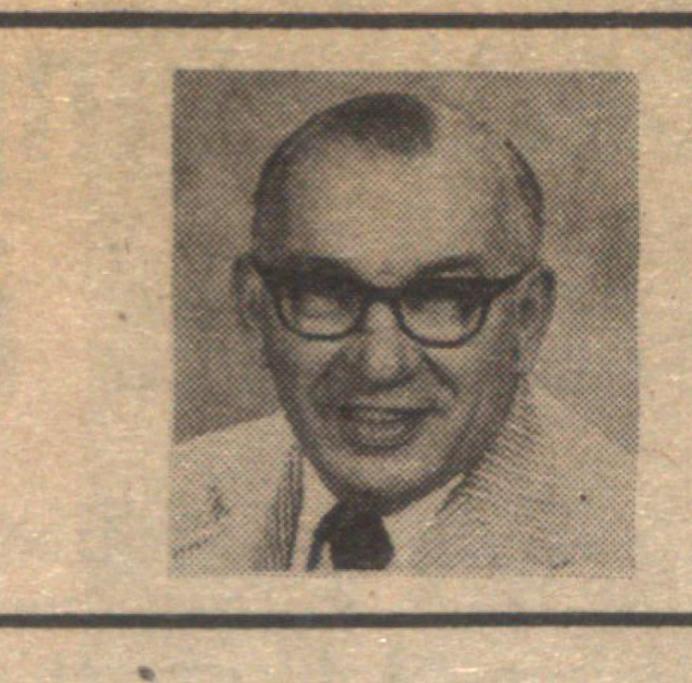
Meets Fargo Students

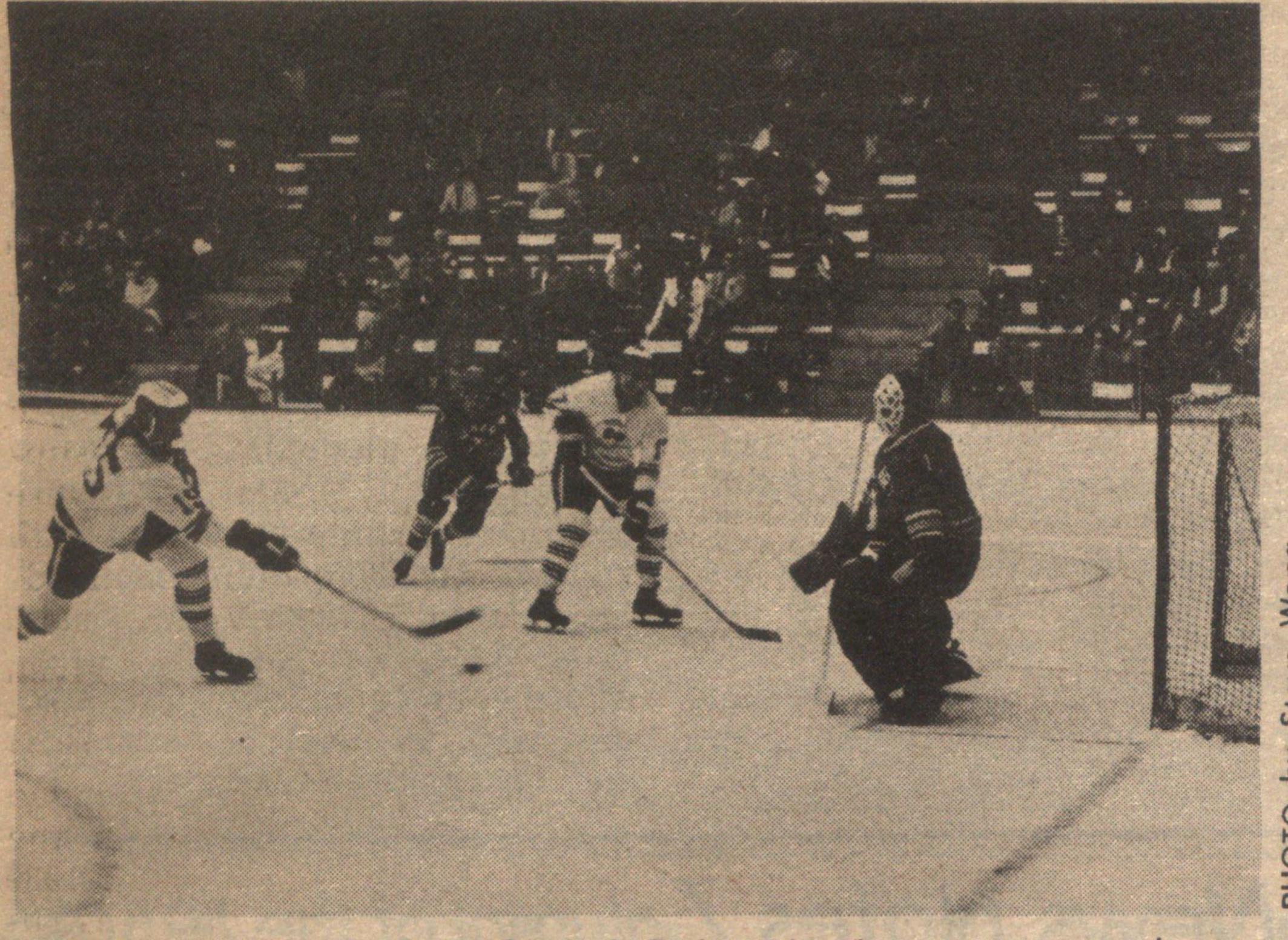
UND PRESIDENT Thomas Clifford and other representatives of the University were invited to Fargo (N.D.) North High School last month for a student-organized reception. The students hold several such gatherings with representatives of different institutions.

LEEWAY

Sioux Sports Smoke Signals

By LEE BOHNET, '51 Sports Information Director





THE 1974-75 University of North Dakota hockey team opened their season at home against the University of Calgary, splitting the series with a 7-3 loss and a 9-4 win. The Sioux have a 36game schedule with 18 games at home and 18 on the road.

Our first road series was at

proving and we predict it will

Louis University; Dec. 13-14 vs.

Minnesota-Duluth at UND, and

Dec. 27-28 vs. Colorado College

bouncing furiously in the re-

modeled fieldhouse since Oct.

15 as head coach Dave Gunther

prepares the team for its 26-

We open the season against

three major college foes on the

road: Nov. 29 at San Jose

(Calif.) State, Nov. 30 at Uni-

versity of Nevada-Reno and

Dec. 3 at Creighton at Omaha,

Neb. Our home opener is Dec.

6 against Montana Tech, follow-

ed by University of Dubuque

(Iowa) Dec. 11 and Southwest

Missouri State University here

And basketballs have been

omore class.

at UND.

game schedule.

The football season has ended and for the third time in the Minnesota, where we almost last four years the Fighting pulled out a win in the opener Sioux have won a North Cen- but finished with a 5-4 loss. tral Conference championship. The defending NCAA champion This year it was a title shared Gophers also won the second with University of South Da- game 5-0. Our next road series kota and North Dakota State, was at Michigan State against but a title none the less. the number-one ranked team in

We reported we had defeated the country. We lost both games North Dakota State, 31-20, in 7-4 and 6-2, but coach Rube the Homecoming game. After Bjorkman said he saw considthat we had a golden opportun- erable improvement in Sioux ity to take a big step toward play. an outright title against South It is our opinion this Sioux Dakota, but the Sodaks won hockey team will continue imhere, 37-24.

A week later we topped Man- be involved in the post-season kato State, 35-27, here on a WCHA playoffs. It is a young field that had to be cleared of team, mainly men of the sophsix inches of wet snow on the morning of the game. The remainder of our first

We closed out our conference semester hockey schedule inschedule in the rain at Augus- cludes: Nov. 22-23 vs Notre tana and came from behind to Dame at UND; Nov. 29-30 at win a wild game, 37-26. That Michigan Tech; Dec. 6-8 at St. brought our conference record to 5-2.

Our final game, which we had hoped would be in the balmy temperatures of Monroe, La., against Northeast Louisiana University, was also played in the rain on a swampy field and we lost, 39-15.

But, in honest appraisal of our finale, we played without three of our offensive starters and our starting center was hurt in the first half.

In recent games we've witnessed a superb Sioux ground game. On the year we averaged 292 yards rushing and over 404 totals yards per game. All but two of the offensive starters return next fall. I'm sure Sioux head coach Jerry Olson will be recruiting replacements and defensive help. The football outlook for 1975 is very bright, with only nine seniors on the 1974 team, six of whom were starters.

Our excellent ground attack resulted in new school and conference rushing records. Sophomore fullback Bill Deutsch (6-3, 210) broke the NCC season rushing mark of 836 yards set by a North Dakota State University back. Bill had 880 yards.

The Sioux also own the conference season rushing record, which is now 2,224 yards, the old record having been 2,169 yards.

Bill Deutsch also broke the school season rushing record of 1,089 yards set by his brother, Mike, in 1972. Bill totaled 1,173 yards. The school season rushing mark of 2,425 yards also was broken as we had 2,919 yards on the year.

Hockey has begun. As this is written, we've played eight games, six in the tough Western Collegiate Hockey Association.

We opened at home Oct. 25-26 against University of Calgary, splitting the series, losing 7-3 and winning 9-4. The next weekend we split at home against Denver, losing the opener 5-4, but winning the second match 4-2.

Dec. 14. Southwest Missouri placed second in the NCAA Division II tournament last season and is a very tough foe.

Coach Gunther has nine lettermen on hand from our 1973-74 North Central Conference championship team. He also gains two red-shirted players (held out of competition for a year) in 6-5 forward Bob Otto, a junior transfer from Mankato State, and 6-7 sophomore center Fred Lukens. He also recruited 6-10 junior college graduate Mark Lindahl to fill the position vacated by our only graduation loss, 6-7 Austin

The lettermen are 6-4 senior all-conference forward Don Gunhus, 6-2 junior all-conference guard Jim Goodrich, 5-10 guard Rick Fischer, 5-5 guard "Sugar" Ray Jones, 6-4 sophomore forward Tom Petrik, 6-6 junior forward Bob Eaglestaff, 6-5 junior forward/center John Thorpe, 6-8 senior center Dan Dukelow and 6-5 junior forward Ron Becker.

Gunther also recruited three fine freshmen: 6-8 center Emery Koenig, 6-2 guard Steve Halas and 6-3 guard John Har-

UND is coming off a 21-8 season and had a 11-3 North Central Conference mark. We think the Fighting Sioux will again be in the running for the conference basketball championship.

• We'll report on seasonal outlooks in wrestling, gymnastics and swimming in future issues. Nine members of the 15-

man UND basketball team are North Dakotans. The UND junior varsity football team under Coach

John Miklesh and assistants Steve Neu and Jay Gustafson, had a perfect 4-0 season. • Cliff "Fido" Purpur, former UND hockey coach (1949-56) was inducted into the United

States Hockey Hall of Fame in

November. Congratulations, Fi-• Flanker Ron Gustafson and linebacker George Lange have been nominated to play in the East-West Shrine post-season all star game at Palo Alto,

Calif., in December. • Pat Keeley of Grand Forks, a golf letterman, was re-elected president of the UND Graduate Letterman's Club during the annual meeting Oct. 19.

• The NCAA, governing body of intercollegiate athletics, has backed off from its earlier threat to not recognize hockey.

Playwriting contest marks nation's Bicentennial Year

nounced by the UND depart- and the national heritage.

centennial Playwriting competition tion about the competition may tion, designed to promote be obtained from the UND de-American cultural heritage, is partment of theatre arts. open to anyone. First prize will be \$1,000 and a premiere production for an original fulllength play which best dramatizes in theme and content the moral and spiritual value of the national heritage.

The UND Department of Theatre Arts Touring Company will tour throughout North Dakota in the spring of 1976 with their production of the winning play.

There will also be a \$500 first prize for and possibly a pro-

26 cage contests set for UND schedule

The 1974-75 UND basketball schedule includes:

13 Home Games Dec. 6-Montana Tech. Dec. 11-University of Dubuque

Dec. 14—Southwest Missouri State University, 7 p.m. Dec. 21-Huron (S.D.) Col-

Jan. 4-University of Wisconsin-Platteville, 7 p.m. Jan. 6-University of Wisconsin-River Falls Jan. 24-Mankato State*

Jan. 25-Northern Iowa* Feb. 8-North Dakota State University, 7 p.m.* Feb. 14-Morningside* Feb. 15-University of South

Dakota* Feb. 28-South Dakota State University*

March 1—Augustana* (Home games begin at 7:30 p.m. except where indicated.)

13 Road Games Nov. 29—San Jose State Nov. 30-University of Nevada-Reno

Dec. 3—Creighton University Dec. 26-30 — 10th Annual North Central Conference Holiday Tournament, Sioux Falls, S.D. Three games. UND meets NDSU in the first round.

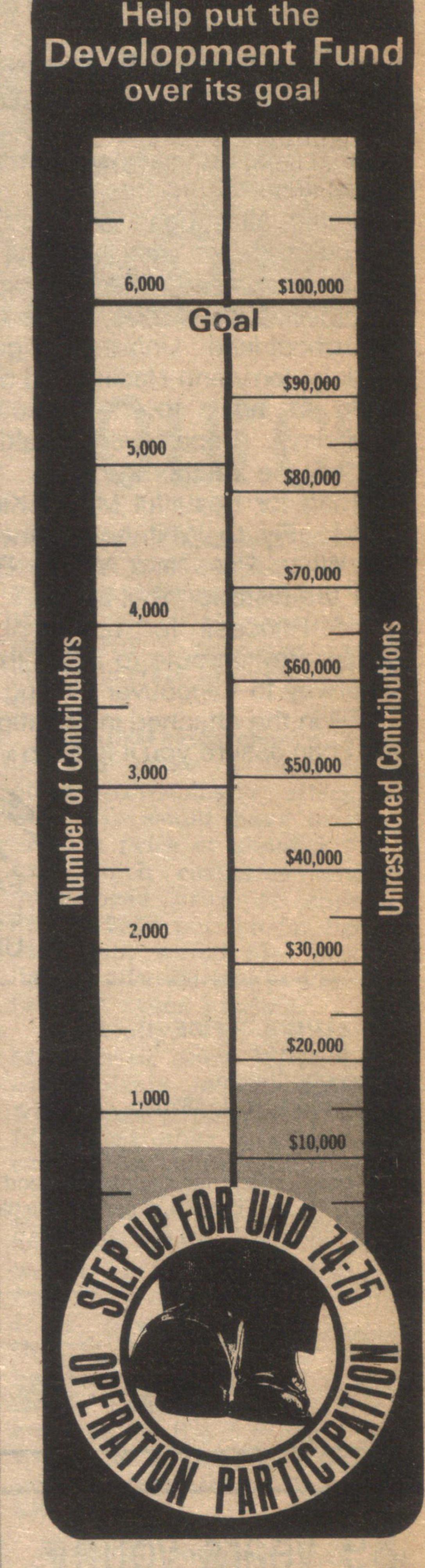
Jan. 10-University of South Dakota* Jan. 11-Morningside*

Jan. 18-North Dakota State University* Jan. 31—Augustana* Feb. 1—South Dakota State

University* Feb. 21—Northern Iowa* Feb. 22-Mankato State* *North Central Conference Game

A playwriting competition to duction of a short children's celebrate the nation's 200th theatre play which best depicts birthday in 1976 has been an- the spirit of the Bicentennial

ment of theatre arts. Deadline for all entries is The American Revolution Bi- June 1, 1975. Further informa-



As of Nov. 21, 1974, the 1974-75 Development Fund had received \$37,296 toward its goal of \$226,000. Unrestricted gifts totaled \$17,649 and restricted gifts totaled \$21,155. Contributions from 796 alumni and friends are included in the total.



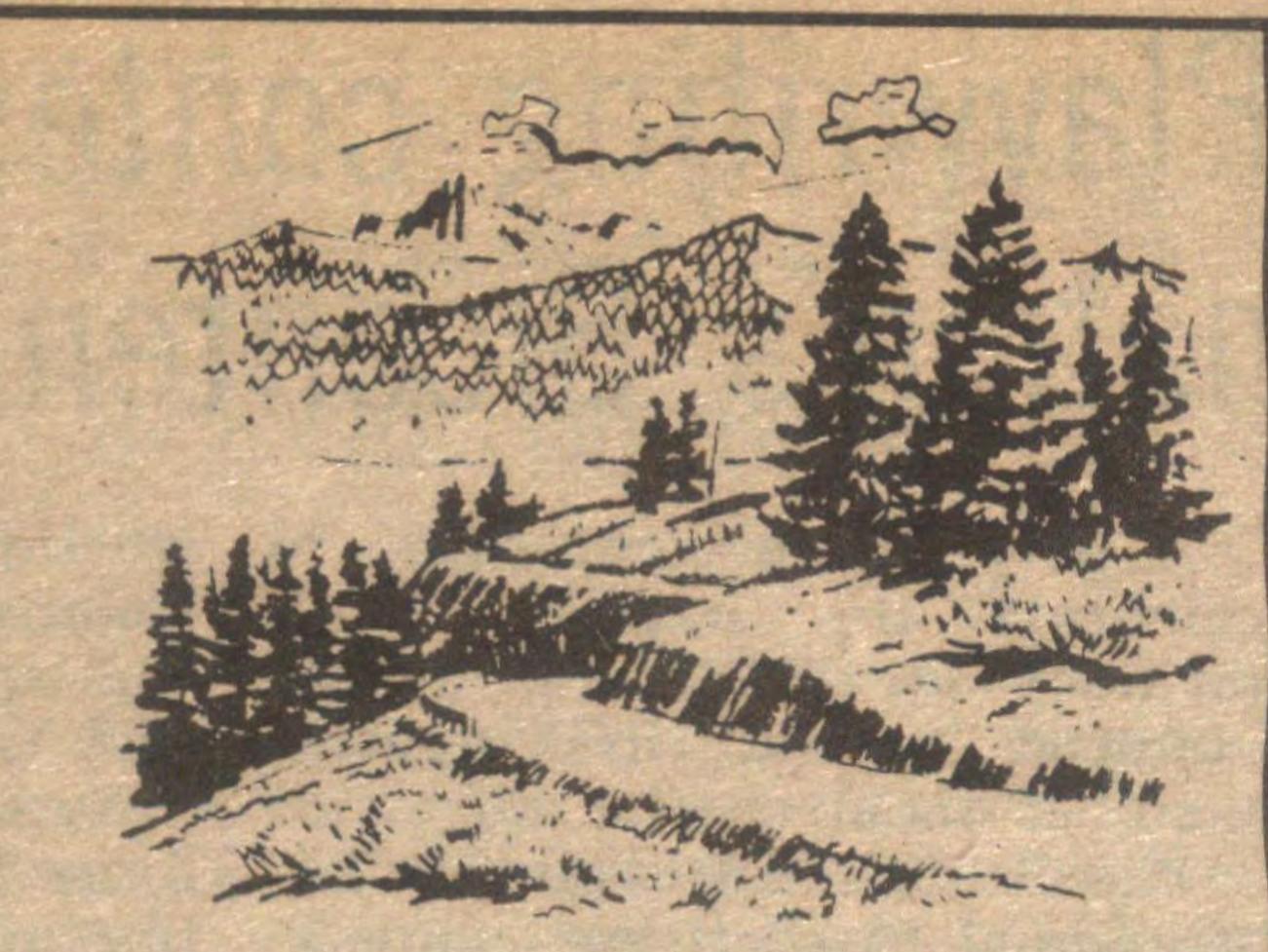
MEMBERS OF THE defending North Central Conference champion Fighting Sioux basketball team include (seated, I. to r.) asst. coach Bob Green, asst. coach Dennis Gienger, guard Jim Goodrich, guard Rick Fischer, guard Ray Jones, forward Don Gunhus, guard Steve Halas, guard John Harris, student manager Bill Tack and student

manager Bob Monroe. Standing (l. to r.) are asst. coach John Watson, forward Ron Becker, forward Bob Eaglestaff, center Dan Dukelow, center Mark Lindahl, center Fred Lukens, center Emery Koenig, forward Bob Otto, forward/center John Thorpe, head coach Dave Gunther and trainer Jim Rudd. Forward Tom Petrik is not pictured.

You are invited for the

UND Alumni

Alaska



July 23 - August 4, 1975

Dear Alumni and Friends.

Because of the highly successful Alaskan tour last summer, and because of the interest shown in the trip after reservations were closed, we are repeating the tour this coming summer. Head football coach Jerry Olson and his wife Nadine will host the adventure for the UND Alumni Association.

Great wilderness areas still stand in North America, but none are so vast as those in Alaska. None are so untouched, so nearly like the primeval landscape of centuries ago. Come to Alaska, where the frontier spirit lives on. It is a robust land. Unfaded. Vigorous. Friendly.

Join Jerry and Nadine and other UND alumni and friends when we again tour our exciting 49th state for 13 funfilled days. Depart from Seattle by plane for a three day tour of the Anchorage area. Leave there via the Alaska Railroad for beautiful Mt. McKinley National Park and Fairbanks. Fly to Whitehorse, then continue to Skagway via the White Pass and Yukon Route narrow-guage railroad over the historic "Trail of '98." At Skagway, embark on the Island Princess for hours of panoramic sightseeing at Glacier Bay enroute to Sitka, then cruise through the inland waterway to Vancouver arriving on August 4.

Fill in the attached information request form now. Janice and I can assure you it is a trip you will never forget.

> Executive Vice President UND Alumni Association

UND ALUMNI OFFICE P.O. Box 8157 University Station Grand forks, N.D. 58202

Please send me information and brochures concerning the UND Alumni Alaska Tour '75 departing Seattle on July 23, 1975, and terminating in Vancouver, B.C., on August 4, 1975.

Name			
Address		City	
State	Zip	Phone	

Continuing Education Division helps students in many areas, many professions

Every year hundreds of persons who may never see the University of North Dakota's Grand Forks campus still manage to participate in UND's academic life.

They do so by enrolling in programs offered through the Division of Continuing Education, the University's agency for extending the instructional programs of various departments to the people of the state.

Many persons do come to campus for conferences, institutes, workshops and short courses, said Dr. John S. Penn, dean of continuing education. But an increasing number of these activities are being held at locations throughout the state for the convenience of persons who cannot afford the time or cost of traveling to Grand Forks.

In addition to the workshops and other concentrated programs of a few days or weeks duration, the University offers regular semester-long courses at locations away from campus.

These extension classes are being taught by qualified instructors recruited from the local community when available, Penn said, thus eliminating the need for UND personnel to commute long distances.

He cited two of a series of graduate level courses in education offered this past semester at five locations. A course at Bismarck was taught by M. F. Peterson, state superintendent of public instruction, and a course at Dickinson was taught by Tom Jensen, a professor of education at Dickinson State College.

This past year several University faculty members did commute to Langdon to initiate a program of evening extension classes for military and civilian defense workers at the Safeguard antiballistic missile sites.

serve large numbers of poten- well. lum—either just beginning their the year" by the North Central

undergraduate work, or moving beyond the bachelor's degree into advanced graduate courses.

New ground was broken this year in the area of workshops, conferences and other shortterm offerings geared to the needs of specific vocational or professional groups, Penn said. He cited as examples recent workshops co-sponsored by the North Dakota Bankers Association, the State Bar Association, and the North Dakota Association of Long Term Care Facilities.

Conferences dealing with speting across a variety of occupasaid. He pointed to last fall's and baccalaureate degrees.

conference on the impact of lignite development, which attracted more than 200 persons ranging from government officials and industry representatives to landowners and "average citizens" with an interest in the issue.

Other services offered through the Division of Continuing Education include a correspondence study division, which provides home study courses to students (including "traditional" UND alumni) from most of the states and various foreign countries, and cific subject matter but cut- the Grand Forks Air Force Base Extension Center, which tions also are likely to become offers courses to base personnel more common at UND, Penn designed to lead to associate

News Notes / alumni of the 1950's

Dr. Robert Johnson, '56, education professor and chairman of the cooperative graduate program at Mary College, Bismarck, N.D., has received an Outstanding Educator of America Award for 1974.

Elizabeth Gates, '56, chairman of the department of health, physical education and recreation at Jamestown (N.D.) College, has been chosen an Outstanding Educator of America for 1974.

named to the Minnesota Governor's Physical Fitness Committee.

Rolland Williams, '57, is vice president and controller of Western States Life insurance Company. He makes his home in Fargo, N.D., where the company's home office is located.

Lt. Col. Adolph Soderberg, '57, recently received his second award of the Distinguished Flying Cross at Carswell Air Force Base, Tex. He was cited Penn said he believes the pro- for aerial achievement as a B-52 gram has much potential, par- Stratofortress navigator on a ticularly as the contingent of mission in Southeast Asia. Sopermanent ABM personnel derberg is chief of air weapons reaches full strength. UND will for the 7th Bomb Wing at Cars-

tial part-time students at both Albert Oukrop, '57, has been ends of the collegiate curricu- named agri-marketing "man of

Chapter of the National Agri-Marketing Association. He is vice president of marketing for the Farmers Union Central Exchange, St. Paul, Minn.

Arthur Morlock, '57, is principal of Hillsboro (N.D.) High School.

Dr. Jimmie Morris, '57, '61, is a professor at the University of Hawaii, Honolulu.

Mrs. Blanche Wise (Irons, '58) is associate professor and chairman of the home econom-Theodore Carr, '56, has been ics department at Northern Michigan University. She recently received the Ph.D. degree from Purdue University.

Fred Stephens, '58, has been named principal of Lincoln High School, Sioux Falls, S.D.

Ron Sherven, ex '58, has retired from his position as Wahpeton (N.D.) superintendent of schools.

Howard Oppegard, ex '58, was recently named Bismarck (N.D.) community services coordinator of the Lutheran Social Services of North Dakota.

M. R. "Matt" Linzbach, '58, has joined the staff of Citizens State Bank of East Grand Forks, Minn., as vice president.

Richard Hentges, '58, was recently elected mayor of Fargo, N.D. He is married to the former Lynn Graham, '59.

89 years young, number one fan

Frendberg remains active in UND football

The following article is reprinted with permission from the Dakota Student. Mike Walsh is a junior at UND, majoring in psychology. He recently completed eight years in the U.S. Air Force, serving as a historian.

By MIKE WALSH Dakota Student Reporter

The football "nut" usually has his favorite team, which he follows religiously throughout the season, he eats, sleeps and breaths football. UND has such a fan in Ira C. Frendberg.

Frendberg, a life-long resident of North Dakota, began his love affair with Sioux football teams 64 years ago. In 1910 he was a left halfback for UND's varsity.

Today, 89 years young, he is a Sioux fan, perhaps the best the University has. You might say, "Well, he's just an old fan." Wrong. Since moving to Grand Forks last year, he has participated in almost every UND varsity football practice.

Participation for Frendberg doesn't mean just handing footballs to players as they file onto the field. Instead, Frendberg considers himself part of the team and works out daily.

He begins by taking calisthenics with the team. After the team splits up for drills, Frendberg practices his forward passing by throwing to an imaginary split end. The forward pass fascinates Frendberg, because it wasn't part of the game in his day. Although he can only lob the ball a few yards, Frendberg keeps trying. After one at-

tempt to pass, he said. "That darn forward pass. I just can't get no distance."

After passing he works to sharpen his kicking game by taking a few practice punts.

To look at him one could not begin to guess his age. His physical stature is of a 50-year-old, and he bounces around the field like a youngster. When asked how he keeps so fit he says, "I exercise, eat light meals and I don't worry about a darn thing."

Football is not his only form of exercise. He plays golf, of which he says, "I don't worry about the score, because it's way up there. I just do it for the exercise." Swimming is also one of his favorites. Frendberg lives in the Gallery apartments, where he is a steady patron of the sauna and swimming pool.

His activities are not restricted to sports. He has a propensity for long automobile drives. Last year he drove his new sports car to Alaska and back. This was not the only long car trip he has made. Frendberg once drove from Grand Forks to Seattle down to Texas and finally throughout Mexico. In that adventure he logged over 5,000 miles.

He has taken a number of cruises around the world. On a recent trip to the Caribbean he said, with a twinkle in his eye, "I did a lot of dancing and I even met this nice little widow."

But football is his first love. Frendberg attends each home game. "Even though I'm stone deaf, I can still re-

member the cheering and yelling and the bands from when I played in college. I still remember it when I go to games now, like I'm still part of the team."

On the subject of this year's team, he says, "I think it's a marvelous team and a marvelous coach. That Jerry Olson is a honey."

Frendberg's philosophy on life is very simple, he says, "Everyday is an adventure. I just live one day at a

But perhaps the inscription written about him in the 1910 issue of the Dacotah annual best describes his outlook on life; "Life is one grand sweet song. Start the music."



IRA FRENDBERG regularly works out on drills such as this, as well as participating in other calisthentics with the UND football team. Later, when the team moves on to other phases of its practice, he hones his passing and punting game. Frendberg was a member of the 1910 team.

Project Lignite follows in long history of research

The University of North Dakota has been active in lignite research since 1889, when Earle J. Babcock joined the faculty. Babcock, who was internationally known for his experiments, pioneered carbonization and briquetting of lignite in the early 1900's.

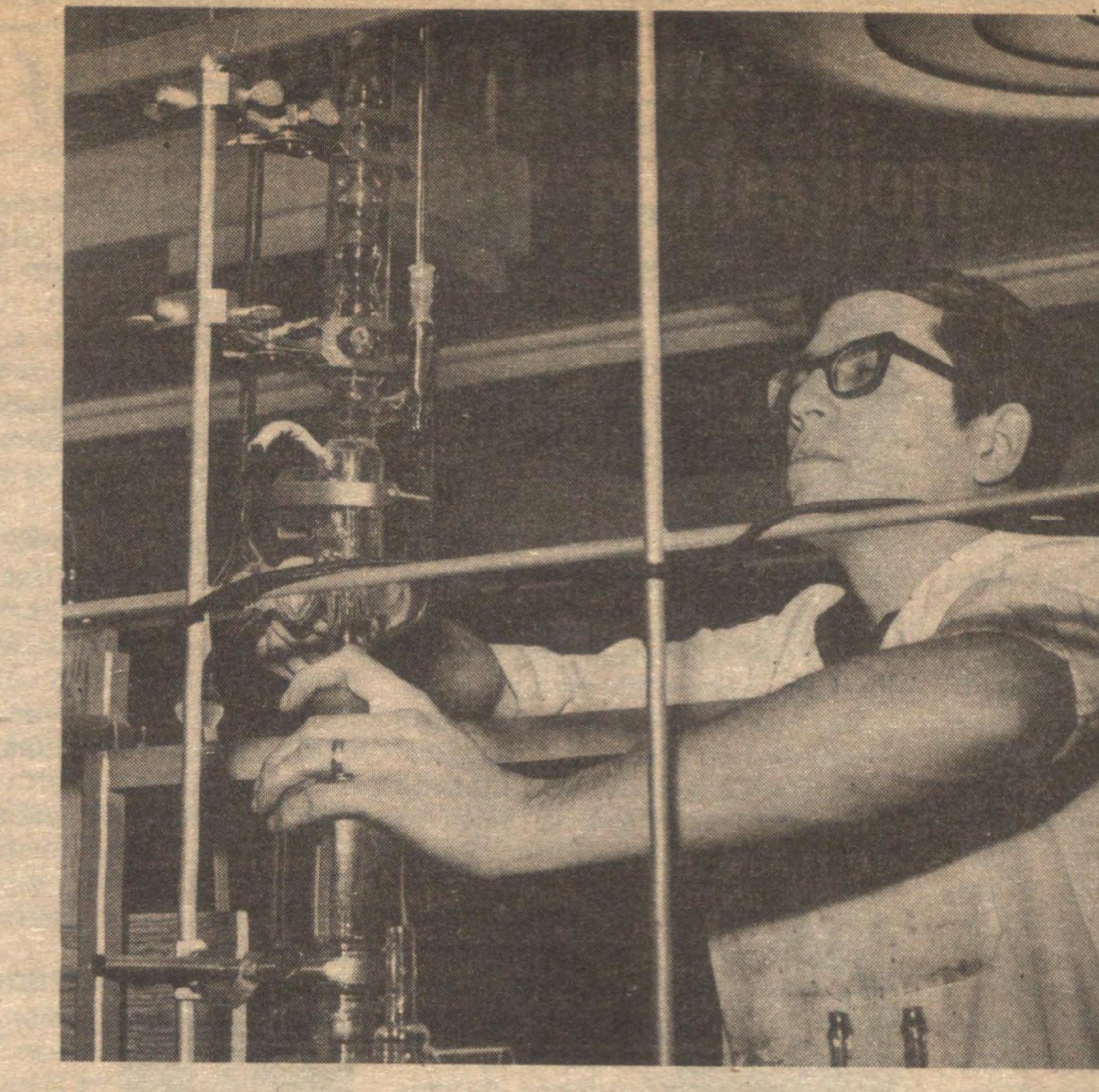
Later research at UND contributed to the development of commercial heating and power generating facilities. Other work has included studies of drying processes, moisture reabsorption, fly ash utilization and various other projects involving the chemical, geological and economic aspects of North

Dakota's coal resources.

In the early 1960's under the sponsorship of what is now the Burlington Northern Railroad, a gasification process was developed at UND to produce gasses from lignite for reduction of non-magnetic taconite ore from Minnesota.

When that project was successfully completed, Burlington Northern provided support for UND research on the production of SRL. These experiments with SRL enabled UND scientists to establish a base of knowledge with which they were to seek and win the present Project Lignite contract.

RIGHT: Chemical engineering student Charles Andrews conducts a distillation experiment for Project Lignite.



Scientists developing new fuel source

By LEONARD SCHOENBORN

Liquid lignite is expected to begin flowing from an experimental unit at the University of North Dakota some time this month, according to A. M. Souby, manager of Project Lignite.

The five-year, \$3.4 million project, which began in 1972, is funded by the U.S. Office of Coal Research. Dr. Donald Severson, professor of chemical engineering, is the principal investigator for the research effort which involves more than 40 UND scientists, engineers, technicians and consultants.

The purpose of Project Lignite is to develop and test methods by which lignite, North Dakota's most abundant mineral, can be upgraded into liquid fuels and other useful products. The immediate objective, however, is to test laboratory findings in a process development unit, a small-scale stepping stone toward a pilot plant.

beaker does not always work the same way in an industrial plant," Severinson explains. "Consequently, the process de- ment of such plants has begun tails have to be worked out on in North Dakota, the technolone scale before proceeding to ogy needed to bring liquefacthe next."

was designed by UND research- mental stage. Research coners and fabricated by UND cerning liquefaction of lignite craftsmen and technicians. The has been particularly limited. original plan called for much of the work to be done by outside engineering firms, but with the exception of electrical and air purification systems, which were installed by local contractors, almost all of the unit was built and installed by University technicians, most of whom are recent graduates of local trade schools.

When the unit begins its 24hour - per - day, five - day - perweek operating schedule later this month or early next year, several of these technicians will help man the process crews. Others will continue to fabri-

cate refinements and additions to the unit.

"What works in a laboratory While full-scale coal gasification plants already are producing synthetic gasses in some areas of the world and develoption plants into full production The process development unit is still in an infant, develop-

> During World War II, Germany kept some of its aircraft flying on fuel made from coal. But, Severson says, the refining techniques were more a matter of necessity than economy and efficiency and, as a result, much of the fuel content of the coal was wasted. Interest in the production of synthetic liquid fuels from coal has been revived only recently due to increasing energy demands.

> While Severson agrees that research has been concentrated on bituminous coals to the near exclusion of lignite, he adds that the demand is so high that if the production of liquid fuels from lignite can be proven feasible, lignite will be used.

> Severson notes that in some ways lignite is more reactive than bituminous coal. Lignite's higher moisture content, for example, is actually an advantage because the water can react with a synthesis gas made up of hydrogen and carbon monoxide to produce more of the hydrogen needed for upgrading. In the case of bituminous coal, pure hydrogen must first be generated by a relatively expensive process before the upgrading reaction can take place.

> The procedures of liquefaction used in Project Lignite are complicated and intricate. First, ground lignite is mixed with a heavy oil solvent. Initially, the solvent will be carbon black feed stock, a by-product of petroleum refining. It is hoped that eventually the solvent will be continuously regenerated within the liquefaction system.

> Next, the resulting solution of lignite and solvent, which has the appearance and consistency of thick black molasses, is combined at high temperature and under great pressure with hydrogen generated from synthesis gas. The primary product, called solvent refined lignite (SRL), is then separated from by-products and cooled.

This separation is critical. UND scientists are developing a process that uses benzene to dissolve liquid products, which can then be separated from solids in the hot mixture by settling. The method is expected to be both cheaper and more effective than filtering or centrifuging systems used previously.

SRL, a solid at room temperature, might be burned like coal or could be preheated to 350 degrees Fahrenheit, the point at which it becomes liquid, and used to fire boilers or for other

purposes for which heavy fuel oils are appropriate. In any case, SRL would have a heating value far superior to lignite, would leave little or no ash and would produce virtually no pollutants.

Experiments to develop methods of converting SRL to gasoline, diesel and other liquid fuels already have been started by UND chemists and more are planned as Project Lignite proceeds.

By the time data are available which will allow construction of a full-scale liquefaction plant, scientists undoubtedly will have developed methods which will allow further refinement of SRL, Souby said. He estimates that a full-scale plant could be ready for operation before 1990 and possibly by 1985.

substances involved in the liquefaction process will be wasted. The UND scientists hope to capture and recycle the solvents, cooling water and gasses used to operate the system. The by-products left after separation from SRL will be distilled much as petroleum is today to provide valuable gasses, light oils, chemicals and other substances.

Waste material would be a very small part of the total product, especially when compared to present waste levels of lignite. However, emission controls undoubtedly will be needed to meet pollution standards for gasses and much of the lignite ash will have to be disposed of, although some of the latter could be used for roadbuilding and cement manufacture, Severson said. He adds that some of the otherwise wasted gasses might be converted to useful products. Nitrogen, for instance, could be used to make ammonia for fertilizer and other purposes.

Concurrent with laboratory and process development unit experimentation, UND engineers and economists are con- cerning strip mining similar to ducting periodic evaluations of those already being encounterthe economic feasibility of liq- ed in the state. uefaction.

Although the figures will economic situation changes, preliminary estimates at mid- To consider the theoretical, not include plant site cost, wa- 400 SRL plants. ter transport investment and start-up costs.

The theoretical plant would have an estimated annual operating cost of \$57 million and would require about 220 employees.

Such a plant, the preliminary estimates indicate, would pro-

duce approximately 8,850 tons, or about 50,000 barrels, of SRL per day. Severson notes that the petroleum refinery in Mandan, N.D., processes about 50,000 barrels of crude oil per

The UND researchers estimate that to make a liquefaction plant economically attractive, the SRL would have to command a price of about \$27 per ton, which compares with a mine head price of approximately \$2.25 per ton for lignite. The plant would also produce lighter oils, electric power, sulfur and other products.

Eventually, with the making of synthetic crude oil from the SRL, plants manufacturing a wide range of plastics, synthetic fibers and other petrochemicals could grow with refineries.

It is uncertain whether North Very little of the primary Dakota, with its low labor base and its often harsh winters, would be chosen as the site for such secondary refining. It is, however, quite certain that if liquefaction of lignite becomes a commercial reality, North Dakota, with its huge amounts of the low-rank coal, would be a likely site for the initial refinement of lignite to

> Severson contends that the state needs the industrial development which liquefaction plants could provide to open the job market for youth and to stem population declines while maintaining a high standard of living. However, he sees potential development as both an opportunity and a problem to be solved.

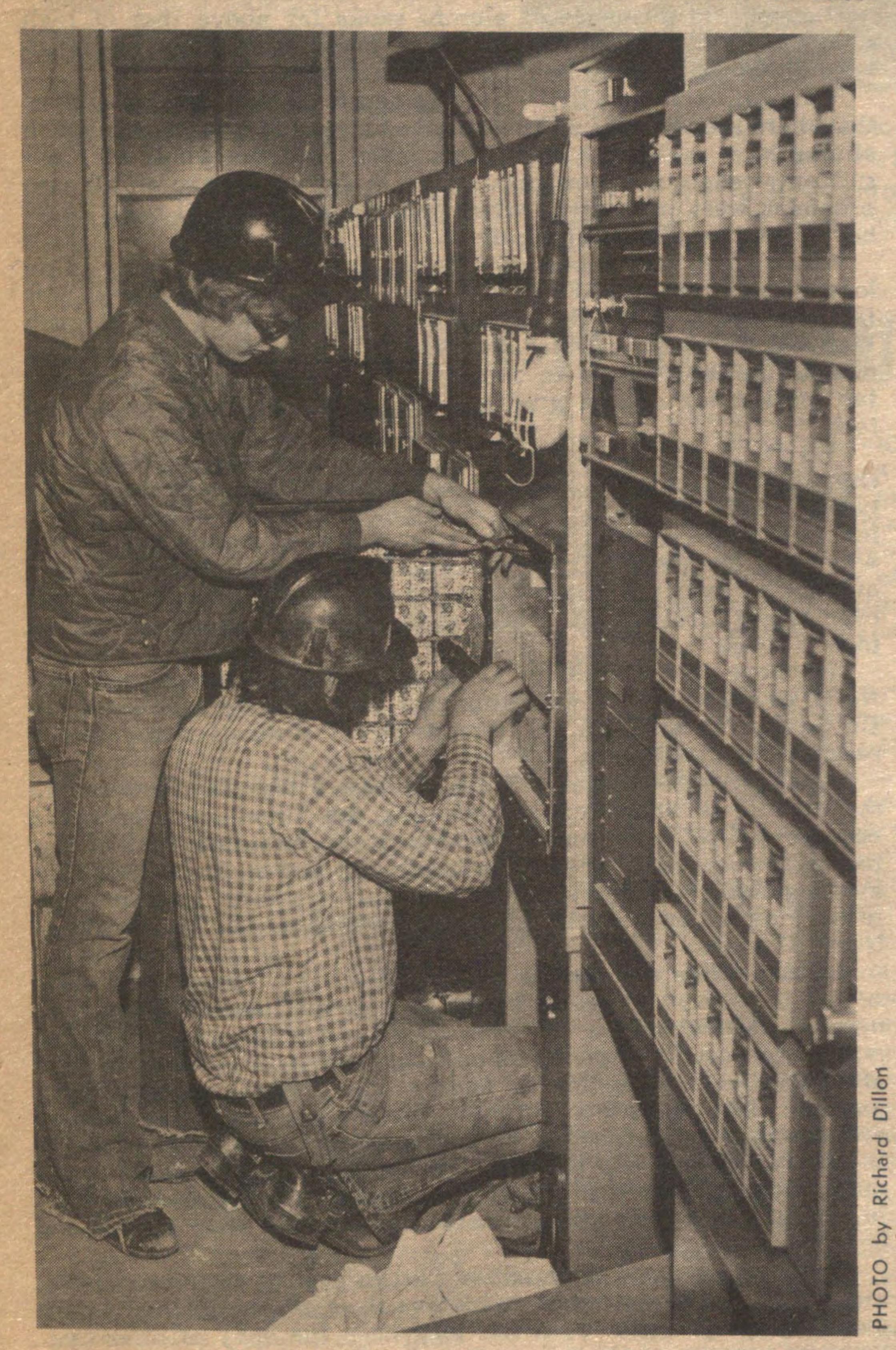
> "Ultimate development depends upon what the people of North Dakota will allow," he

He notes that, although the per plant water requirements will probably be less than the average gasification or power generation facility, liquefaction plants must stand in line with others. Liquefaction also raises questions and problems con-.

"Much depends on comprehensive environmental impact fluctuate as techniques are re- studies and measures which can fined, modified, discarded and be developed to avoid or counreplaced, and as the general teract adverse impact," Severson said.

1974 prices indicate that an in- but of course improbable exitial investment of approxi- treme, he said, recently quoted mately \$226 million will be figures put the total water necessary to construct a full- available for industrial use in scale liquefaction plant capable the state at approximately sevof processing 30,000 tons of lig- en million acre-feet per year. nite per day. This estimate does This would be enough for about

Using often cited estimates of 300 to 400 billion tons of ultimately recoverable lignite in the state, North Dakota could supply the total current U.S. petroleum needs of about 15-20 million barrels per day for about 100 years with maximum SRL production.



"BUILD IT YOURSELF and save" could well be the motto of UND research projects like Project Lignite. The project's Production Demonstration Unit, designed by UND scientists and, with minor exceptions, fabricated and installed by University technicians such as these two, is scheduled to begin operation later this month.

News Notes / alumni of the 1960's

Stuart Legaard, '66, advertising sales manager of the Webb Company's National Hog Farmer and Crops for Livestock, was named Webb's salesman of the year recently.

Cpt. Clifford Beeks Jr., '66, is combat crew commander of a unit of the 91st Strategic Missile Wing at Minot (N.D.) Air Force Base.

Clement Benoit, '66, has been appointed manager of professional services for the Central and Eastern Regions of Canada with the General Appraisal Company of Toronto, Ont.

Judith Lau (Alphson, '66), has been appointed executive director of the Virginia Commission of Children and Youth at Richmond, Va. Her husband, Dr. Kenneth Lau, '63, is a scientist for the DuPont Corp.

U.S. Navy Lt. Sandra Kummer, '66, has received the Winifred Quick Collins Award for inspirational leadership by a woman officer from the Navy League of the United States.

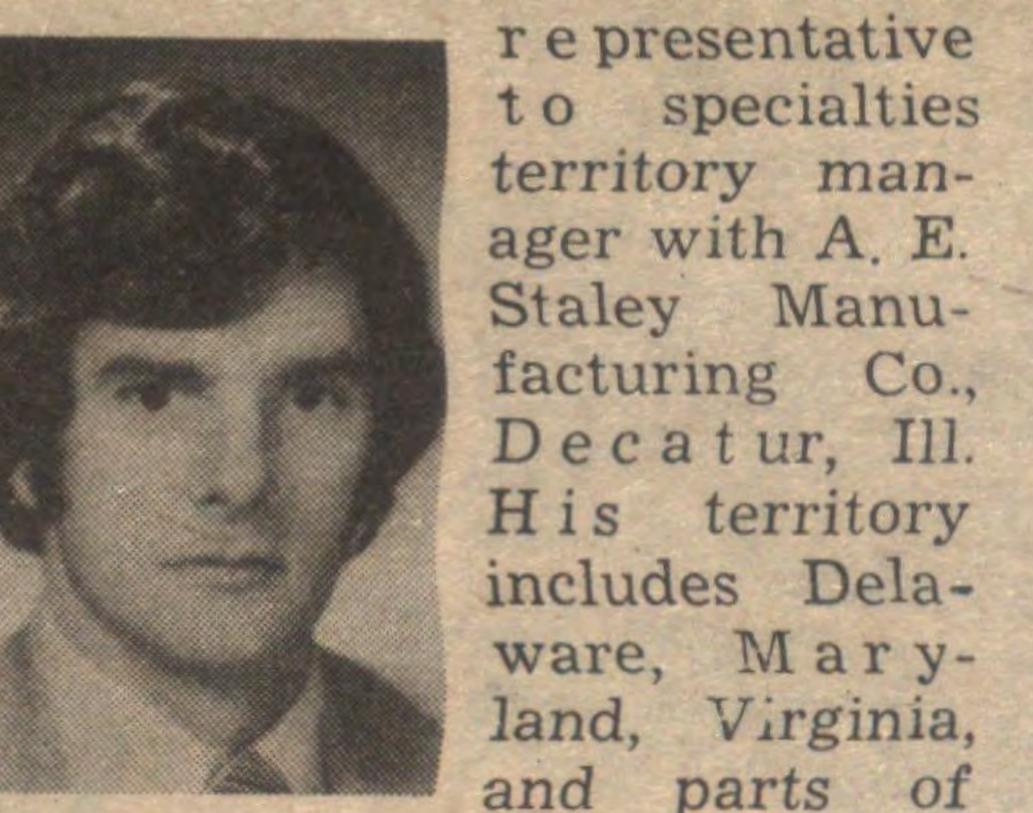
Douglas Sobolik, '66, a tax manager with Haskins and Sells, was recently transferred from San Francisco, Calif., to Washington, D.C. His wife is the former Judy Graham, '65.

Indian Wells, Calif.

UND alumni and friends

Jan. 30 - Feb. 1

promoted from industrial sales



Pennsylvania and New Jersey.

Dr. Gary Ellwein, '67, has completed a pathology residency at the University of Colorado Medical Center and is now in private practice in Idaho Falls, Idaho.



Enjoy the magic

of the

Erawan Garden Hotel

The Erawan features luxurious guest accommodations,

superb dining and nightly entertainment, swimming, golf,

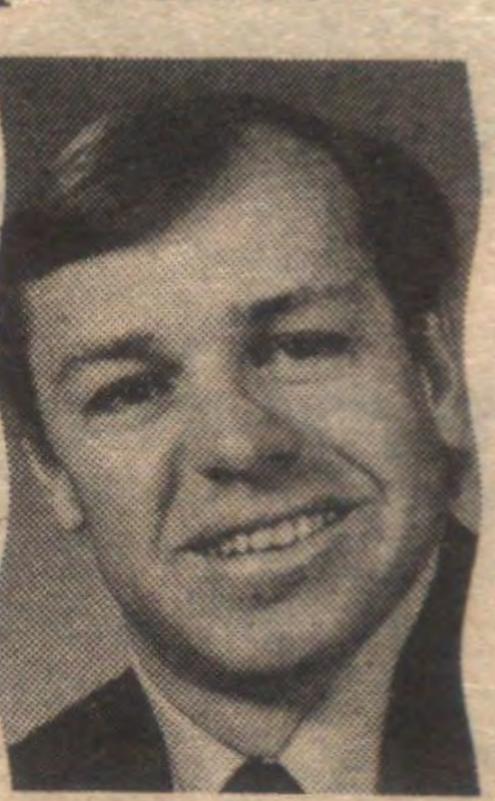
Ernest Meier, '67, has been appointed assistant administrator of Providence Hospital, Mobile, Ala. He is married to the former Gloria Allen, ex '64.

Salvatore Martoche, '67, an attorney in Buffalo, N.Y., has been elected president of the Canisius College 'Alumni Asso-

Michael Treacy, '66, has been ciation. A former member of the Canisius Board of Regents, he will serve on the College's Board of Trustees during his Alumni Association term of ofager with A. E. fice. Martoche serves as counsel Staley Manu- to the majority leader of the U.S. Air Force Commen- department of journalism at the New York State Senate. He is married to the former Mary Dee Benesh, '67.

Cpt. John Niles, '67, a development engineer, has been assigned to Wright-Patterson Air Force Base, Ohio, where he will work with a unit of the Air Force Logistics Command.

Dr. Roger Schauer, '67, '69, has joined the staff of United Clinics, P.C., in Hettinger, N.D. His wife, the former Janet Brush, '68, is also employed at the clinics as a pediatric nurse practitioner.



Ronald Peterson, '67, has been promoted to industrial e n gineering group supervisor at the Rocky Flats Division of Dow Chemical U.S.A. in Denver, Colo.

Swanson, '67, has been named regional manager of the First Federal Savings and Loan of Grand Forks branch in Rugby, N.D.

James Flynn, '68, has joined the faculty of Wahash College, Crawfordsville, Ind., as an assistant professor of speech.

Dr. Terrence Mack, '68, has joined the staff of United Clinics, P.C., in Hettinger, N.D.

Dale Erickson, '68, has been promoted to engineering supervisor of the E. F. Johnson Co. plant at Clear Lake, Iowa. He is married to the former JoAnn Vangsness, '70.

Otto Rogelstad, '68, '73, has been appointed regional pension manager at Kansas City for Northwestern National Life Insurance, Co., Minneapolis, Minn.

Dr. Robert Grossman, '68, has joined the staff of United Clinics, P.C., in Hettinger, N.D. He is married to the former Pat Jacobson, '70.

Dr. Dick Rehm, '68, '70, has finished family practice residency and joined the staff at Breckenridge (Minn.) Clinic.

tennis, horseback riding, sightseeing and a climate that smiles all year long. Flowering gardens and spreading lawns, desert and mountain vistas work magic in creating the ideal atmosphere for relaxation and recreation. On Thursday evening, Jan. 30, a get acquainted mixer with

Alumni and parents can help UND locate new students

Alumni and parents are asked to fill in the coupon below if they know of a prospective college student who might be a candidate for admission to the University of North Dakota.

"Alumni and parents can give us valuable assistance in interesting good prospects for the University next fall," according to Luther Bjerke, associate dean of University College, UND's freshman division.

STUDENT REFERRAL

University College University of North Dakota Grand Forks, ND 58202

I would like to recommend the student named below as a prospective student for the University of North Dakota.

Name '	
Address	
City	
State	
Zip .	
T.1.	

My name is (optional)

David Schaefer, '68, teaches at a Madison, Wis., elementary school. He is married to the former Carol Deraney, ex '63.

Cpt. Tom Van Sweringen, '68, has received his second award meritorious service while assigned to headquarters, Air Training Command at Randolph. He is married to the former Colleen Love, ex '70.

Paul Casey, '68, has received the Ph.D. degree from Johns Hopkins University, Baltimore,

Cpt. Walter Glass, '69, is a dentist in the U.S. Air Force and is stationed at Tyndall Air Force Base, Fla.

bakken, ex '69) has retired in Manvel, N.D., after teaching in ing undergraduate research in the state for 33 years.

Adah Burvill, '69, '70, has retired after a 45-year teaching career. For the past 30 years she had taught elementary grades in Towner, N.D.

Jim Ostergaard, '69, has joined the staff of Interstate Realtors, Grand Forks, N.D.

Alumnus sponsors award to recognize journalism research

An award for outstanding undergraduate research in journalism will be presented by the dation Medal at Randolph Air University of North Dakota for Force Base, Texas. A personnel the first time in April 1975, acofficer, he was decorated for cording to the department chairman Dr. Herbert Strentz.

> The award will be sponsored by Dr. Charles Allen of Santa Barbara, Calif., who in 1924 was the first UND graduate in journalism. Allen received a UND Alumni Association Sioux Award last May.

Strentz said the award will recognize outstanding research and reporting which is part of classroom work or work for a Mrs. Olaf Fedje (Olga Bru- campus or community news agency. It will be for outstandjournalism, advertising, public relations, mass communication or related fields.

A contribution from Allen will provide for a permanent plaque in department of journalism offices and for individual awards to winners.

Alumni aid recruiting



Dean D. J. Robertson of University College, the freshman division at UND, presented a report on this year's successful recruitment of new students when he addressed an Alumni Advisory Committee meeting during Homecoming '74. We asked him to provide the following article telling alumni more about the important role they play in recruiting new students for their alma mater.

> By D. J. ROBERTSON Dean, University College

When the typical high school senior is facing the perplexing question of which college or university to attend, who is the person who may have the most decisive influence? Surprisingly-or perhaps not—it may be you, the alumni.

At a time of declining or "steady-state" enrollments, colleges across the country have been making a serious study of what or who may have the greatest effect on how prospective students make their college choices. The results are pretty clear. Reasons cited most often indicate that students chose the college they are attending upon the advice of students who are also attending the institution or alumni.

Indeed, the influence of alumni ranks far above that of high school teachers or counselors or even parents, although the influence of the latter may be difficult to appraise.

Colleges, including UND, have known for a long time, of course, that there are students on the campus because of kind words which alumni have said about their alma mater. But the whole idea has suddenly taken on a new importance. A few years ago enrollment problems were not critical when colleges were so full they didn't have room for all the applicants.

Since then, a number of factors have changed. There is no longer the large crop of students born during the post-World War II "baby-boom." The United States is no longer in the Vietnam War and the draft is ended, consequently, the attempts by young men to get into college to avoid the draft have ceased. Also, the job market for college graduates is less promising than it used

We at the University of North Dakota are in a somewhat more enviable position than many institutions around us, since we did have a small increase in the number of new students who entered last fall. We recognize that this increase is due, in part, to the help which we are getting from you who are our alumni, and we are anxious to expand opportunities for this valuable assistance. An even larger involvement of alumni in student recruitment is going to be needed.

We hope that alumni in every area of the country—not just North Dakota—will be willing to spot prospective students for the University. A call from an alumnus shows students that someone really cares about them.

Just last week a family from Minnesota brought their son to see me. He is interested in attending the University next year because a UND alumnus, a prominent businessman in his city, has recommended it. The alumnus actually had a special breakfast meeting with the family before they left for their visit in order to have an opportunity to tell them more about the University of North Dakota.

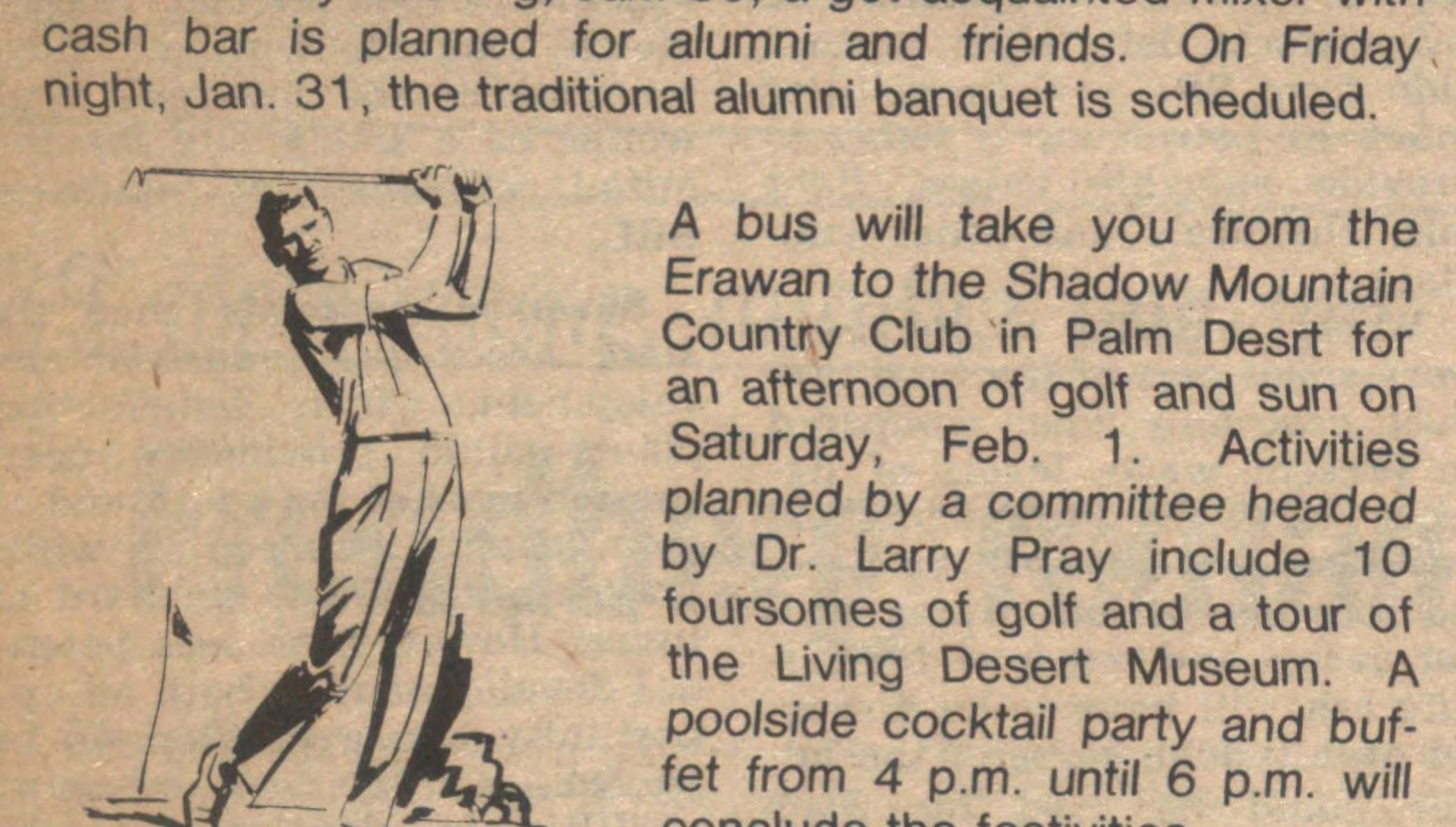
Incidents like this can be multiplied many times. Whether you realize it or not, you probably occupy a special place in your community, particularly in the eyes of these young people. We can talk to prospective students about how they may achieve success after they earn a university degree, but alumni are actual examples. They provide a different perspective, and often parents are as happy as students to be contacted by alumni.

Partly because of the current economic squeeze, students are much more concerned about career planning than they have been in the past. Here is an area where conversations with alumni can be especially helpful.

Many colleges and universities, particularly private institutions, are making an all-out effort to involve their alumni in the recruitment of new students. UND has long been the envy of other universities because of the tremendous loyalty of our alumni. Here is a new opportunity to demonstrate your loyalty in a

way that can be most helpful—to us and to young students. Alumni who have been working with us have found involvement in student recruiting to be a very interesting and rewarding experience.

How about you? You can begin by filling out the referral coupon on this page. We will appreciate it.



P.O. Box 8157

A bus will take you from the Erawan to the Shadow Mountain Country Club in Palm Desrt for an afternoon of golf and sun on Saturday, Feb. 1. Activities planned by a committee headed by Dr. Larry Pray include 10 foursomes of golf and a tour of the Living Desert Museum. A poolside cocktail party and buffet from 4 p.m. until 6 p.m. will conclude the festivities.

The Erawan room rates are \$26 for single occupancy and \$30 for double occupancy, plus six per cent tax. A package rate of \$30 will be charged for the alumni banquet, transportation to Shadow Mountain and return, and cocktails and buffet at the Shadow Mountain Country Club. Green fees and cart rental for the Shadow Mountain golfing excursion will be the responsibility of the individual.

Mail your reservation form today!

UND ALUMNI ERAWAN GARDEN HOTEL WEEKEND

Grand Forks, N.			
Please reserve	room(s) for	my party at the	ERAWAN GARDEN
HOTEL. I desi	re single	accommodations	double
accommodations	. We plan to arrive	on	and to
depart on			
I have enclosed	my deposit check pa	yable to the UND	Alumni Association
in the amount of should be paid a	t check-out time.)	(\$30 per	person) (Hotel bill
Name party including w	rife's first name if app	licable).	(list all names in
Address	City		_State
7in	Home telephone		

Teaching better than 10 years ago?

UND moves to improve instructional quality

By LANA RAKOW and DAVE VORLAND

Just how good is the quality of teaching experienced by students at the University of North Dakota?

One popular misconception pictures students struggling to keep awake through dull lectures by professors who read from notes prepared a decade

Or a more current misconception has most students painlessly being force-fed knowledge via a multi-media blitz of audio-visual devices and computerized gadgets. Neither version, of course, is correct. The lecture system, which is just one of many instructional tools, does not necessarily connote dullness and rote - learning. Neither has the new educational technology made a snap of earning a college degree.

Teaching expertise has always been a valued characteristic of a strong faculty, according to Dr. W. E. Koenker, UND vice president for academic affairs. He adds that many authorities believe classroom instruction is better today than 10 years ago, thanks to a variety of factors (including the use of modern teaching equipment and materials.)

And Koenker said, there has been a growing commitment in the university community to further promote the improvement of teaching. Concrete evidence of this concern can be seen in the many specific proposals found in the SCOPE report for the 70's, the University's long-range plan developed with the active participation of faculty, administrators, students and alumni.

(Editor's Note: Alumni may receive a copy of this important document by writing to the UND Office of University Relations.)

As one response to the SCOPE recommendations, the University Senate this spring established a permanent Council on Teaching to provide for the continuing evaluation of instruction and to initiate and develop programs for the improvement of teaching. William Bolonchuk, associate professor of health, physical education and recreation is Council Chairman.

Even before establishment of the Council, an informal committee had been formed to plan a series of seminars for faculty members interested in improving their teaching techniques.

The seminars, held in the late afternoons over a period of four weeks last winter, were highly successful, said Dr. Stephen Markovich, chairman of the political science department and one of the organizers. It was even necessary to cancel an earlier scheduled all-faculty meeting with President Clifford because of a time conflict with the seminars.

Led by fellow instructors, the seminars dealt with four key topics, Markovich said: Aims and objectives of teaching, improvement of traditional teaching methods, new approaches to teaching and evaluation of students and faculty.

More seminars are planned for the 1974-1975 academic year, Markovich said, which most likely will be coordinated by the Council on Teaching. The next series will include the discussion of teaching innovations that already have proved workable in various UND departments.

Another responsibility of the Council will be to participate in the allocation of grants from an instructional innovation fund established this year with private gifts.

About \$10,000 was allocated to 17 faculty members this past year, and the same amount will be made available during 1974-1975. Koenker said.

dent study, programmed learning, the use of audio-visual aids, field experience, computer-assisted instruction, new approaches to course content, and the testing and evaluation of students.

A specific mandate from the University Senate called upon the Council on Teaching to develop a process by which the students themselves will evaluate the teaching performance of their professors.

Student evaluation of instructors and courses is not new at the University. However, the Council on Teaching was requested to design an evaluation instrument that is accurate and fair, and the results of which can be utilized in a convenient manner.

Faculty are being encouraged The new student questionto submit proposals dealing naire, developed by a Council with self-paced and indepen- subcommittee chaired by Jeremy Davis, associate professor of law, will be used before the end of the fall semester to evaluate virtually all UND instructors and courses.

> The University's computer center will tabulate results of the evaluation, with nearly 50,000 individual questionnaires likely to be processed. The evaluations are expected to be extremely valuable to all faculty interested in the improvement of their instruction, Davis said.

Another type of faculty evaluation has been the concern of a special committee appointed by Koenker to develop guidelines and procedures for fair and informed departmental reviews of new and non-tenured faculty members.

Teaching ability is a key factor in decisions involving faculty retention, promotion and tenure, Koenker said, although other factors such as research and service are also considered.

The aim of the University is to specify and regularize the exact steps that are involved in this formal review, Koenker

The special committee, consisting of several deans, some faculty members and two department chairmen who also teach, already has proposed a set of University-wide guidelines. These are expected to be reviewed and implemented before the end of the current academic year. Each department will be required to develop a clear statement of procedures for the evaluation of its own faculty.

Another very real factor in improving the quality of instruction, Koenker said, involves the more adequate staffing of some under-staffed UND departments. This situation, caused by financial limitations, results in faculty members carrying teaching loads above what is considered optimum for top-notch instruction. This issue will be among those addressed by the 1975 North Dakota Legislature when it considers the needs of higher education.

In addition to encouraging better teaching, the University attempts to recognize teaching achievement. Several awards are presented annually to individual instructors. Initiated this year was a special University Departmental Award for Excellence in Teaching and Service, won by the Department of English.



STUDENTS AT UND still must attend class regularly to hear lectures, take notes and ask questions. But new teaching techniques, as well as a continuing emphasis on improvement of the quality of instruction, have in many cases made the learning process more efficient.

Professors using new tools

Perhaps the most striking evidence of changes in the nature of instruction offered at the University of North Dakota today compared to just a few years ago is the appearance of sophisticated educational hardware such as computers and television.

This is not to say professors have been replaced with machines. In fact, a recent article in the Chronicle of Higher Education points out that the application of television and other audio-visual technology has not been as "revolutionary" on the campus scene as had been earlier predicted.

None - the - less, advancing technology has opened up new vistas. Three service support areas at UND have been particularly helpful to the innovative teacher: The Computer Center, the Instructional Communications Department, and the Chester Fritz Library.

Many students at the University, of course, learn to understand and to operate computers. But the electronic machines also are used to improve the quality of instruction in a variety of other academic areas. Among other things, UND computers grade tests, reduce the mechanical drudgery of solving complex mathematical and sta-

realistic "games" in the class-

A "Marketing in Action" game, being utilized in a College of Business and Public Administration course this fall, is an example of how computers can provide real-life situations for students.

The students, divided into several groups representing soft drink companies, competeagainst each other with the help of a computer. The computer is programmed with marketing variables, so that when students make a decision the computer can tell them what the outcome will be-whether the decision made or lost money.

According to Neil Voeller, marketing instructor, the game allows students to test the theories they learn in class before they are in a real situation. Similar computerized marketing games have been used in previous classes, Voeller said.

While computers are being used increasingly for storing information, they have not taken over the traditional role of the library. But the library has been affected by technology as well. Information can be stored by other means than books.

The Educational Resources Information Center (ERIC) is tistical problems, and even play one of several such collections

of information at UND's Chester Fritz Library.

cation related, including instructional material and aids, Forks area. The service is free research and development re- to faculty if it is to be used for ports, curriculum guides, and educational purposes. The teleotherwise difficult-to-locate ma- vision division also originates terial. ERIC material is filed on material for Channel 10, the "microfiche," which reduces Grand Forks educational cable about 100 book pages to the size of an index card. The cards can be veiwed on special machines at the library, or on portable machines which can be checked out for home viewing. Computers are used to search the 160,000 documents in the ERIC collection to find what students and faculty are looking for.

Some other UND collections are even more condensed. These are stored on "ultrafiche," which reduces about 1,000 book pages to a card.

A main function of the Instructional Communications Department is to provide audiovisual materials and equipment for faculty to use in the classroom.

For example, the television division of the department has a closed-circuit system through which educational materials are sent by three channels to classrooms. The programs include films, rented video tapes, local productions, and live programming.

According to Maury Russell, director of the department, tele-All material in ERIC is edu- vision crews video tape both on-campus and in the Grand channel.

> Photographic and graphics services are provided to the faculty in addition to audio-visual equipment for use in the class-

One department that uses video-tapes and closed-circuit television in nearly all its classes is the speech department. According to Dr. Hazel Heiman, department chairman, televised video-tapes are useful for a number of purposes.

For example, tapes are made of students while they deliver speeches. The students watch and critique themselves when the tape is played back.

Video-tapes are also widely used in the basic speech course, which typically has a total of 500 to 600 students divided into about 20 classes. Because the course is taught by graduate teaching assistants from varied backgrounds, basic lectures on video-tape are used to give the course unity, Heiman said.

IN MEMORIAM

Adolph Skyberg, ex '11, Nov.

Dr. Clement Woods, ex '12, April 1974, Laguna Hills, Calif. Ernest Read, '13, Oct. 22, 1974, Clearwater, Fla.

Theodore Sedler, ex '17, Oct. 21, 1974, Great Bend, N.D.

Mrs. John Skadberg (Mamie Stokes, ex '18), Oct. 24, 1974, Carrington, N.D.

Mrs. F. R. McBratney (Clara Johnson, ex '21), Nov. 10, 1974, Salem, Ore.

Edward Sullivan, ex '24, Nov. 12, 1974, Wichita, Kan.

Mrs. E. H. Rolfson (Abigail Ormiston, '27), Oct. 31, 1974, Grand Forks, N.D.

Dr. George Countryman, '29, Nov. 8, 1974, Grafton, N.D.

Henry Scheerer, '30, Sept. 8, 1974, Glendora, Calif.

May 12, 1974, Fargo, N.D.

Arthur Strand, ex '32, Nov. 1974, Yucaipa, Calif.

Carl Ginnow, ex '54, Oct. 21, 1974, Granada Hills, Calif. Joseph Smith Christensen, ex

'65, Nov. 11, 1974, Martinez, Calif.

James Halldorson, ex '68, Oct. 1974, Detroit Lakes, Minn.

News Notes / alumni of the 1970's

Dennis Leiphon, '71, was recently named manager of the W. T. Grant store in Clinton, Iowa. He was previously assistant manager of the W. T. Grant store in Cottage Grove, Minn.

Lt. Michael Sandsmark, '72, is serving with the U.S. Air Force in the United Kingdom. He is married to the former Jane Heuer, '72.

Tony Shahbarat, '72, has been named first assistant manager Airman 1st Class Jerry Weiof Osco Drugs in Joliet, Ill. He is married to the former Marie Bjorge, '72.

Gary Vig. '72, has been appointed construction supervisor in Grand Forks, N.D., for Northwestern Bell Telephone

Wesley Weber, '72, was recently promoted to plant manager of the Archer Daniels Midland soybean processing mill in Kershaw, S.C.

2Lt. Douglas Muller, '72, has completed U.S. Air Force navigator training at Mather Air Force Base, Calif.

James Cross, '72, has received the M.D. degree at the University of Minnesota Medical School and is now interning at St. Paul Ramsey Hospital, St. Paul, Minn.

7, 1974, Fisher, Minn. Lloyd Carruthers, '72, is a sales engineer for Ingersoll-Rand, Thornhill, Ont.

Rick Fossum, "72, is city auditor in Hillsboro, N.D.

Jim Feist, '72, has received the M.D. degree from the University of Wisconsin Medical School, Madison, and is now a pediatric resident with the University of Iowa Hospitals in Iowa City. He is married to the former Janice Parker, '73.

Ellen Lembke, ex '72, recently joined Pioneer Realty and Land Co., which has offices in Bismarck and Mandan, N.D.

Brian Leet, '72, was recently named vocational rehabilitation counselor at the State School of Science in Wahpeton, N.D.

Lawrence Ashfield, ex "72, is Gladys Karlstrom, ex '32, a communications equipment repairman in the U.S. Air Force and is stationed at Griffiss Air Force Base, N.Y.

> David Burrus, "72, has resigned as director of volunteers and elementary service coordinator at the Heart of America Human Services Center in Rugby, N.D., and has enrolled in the Graduate School at UND.

Robert Bradley, '72, has completed four years in the U.S. Air Force and has joined IBM Corporation in Rochester, Minn., as a mechanical engineer.

Donna Wolseth, '72, has received the M.D. degree from the University of Minnesota Medical School, Minneapolis, and will intern at Hennepin County General Hospital, Minneapolis, Minn.

gelt, ex '72, has been assigned to Kadena Air Force Base, Okinawa.

Keith Wilson, '72, has been named controller of the North Dakota State Hospital, Jamestown. He also teaches cost and advanced accounting at Jamestown College.

Pam McLean, '72, '73, has accepted a position as education consultant at the Northeast Region Mental Health and Retardation Center, Grand Forks, N.D.

Lynn Moeller, '72, recently completed two years as an officer in the U.S. Army Signal Corps and has joined the electrical engineering staff of Collins Radio Co., Cedar Rapids, lowa.

Jeff Case, "72, has been named leader of the Hettinger (N.D.) Adult Day Care Program. He had been director of the Retired Senior Volunteers Program in Mayville, N.D.

Linda Laskowski, "72, has been appointed an engineer with Northwestern Bell Telephone Company in Fargo, N.D. Richard Shockey, '72, is a chemist with a lignite gasifica-

tion plant in Rapid City, S.D. He is married to the former Linda Wagner, ex '72. Dr. Nellie Smith, ex '73, heads

the Division of Business and Economics at Rust College, Hally Springs, Miss., where she is an associate professor of business. She is also business consultant for Marshall County Community Service Association and a Danforth associate member, representing Rust College.

Jeffrey Radke, ex '73, is a high school principal in Leonard, Minn.

Russell Ober, ex '73, is a fisheries biologist with the Georgia Department of Natural Resources, Dawson.

Sidney Praska, '73, has joined the staff of Grand Forks (N.D.)

Federal Savings and Loan Association as an accountant.

Terrance Potier, ex '73, is a Mobil Oil agent in Sturgeon Bay, Wis.

Dennis Peterson, '73, has joined his father in Curt's Insurance and Realty in Mayville.

2Lt Dale Prondzinski, '73, recently completed a six-month training course at the Marine Corps Development and Education Command, Quantico, Va., finishing fourth in a class of 250 Marine officers.

Mary Metelak, '73, is a physical therapist at St. Lukes Hospital, Fargo, N.D.

Jean Allmaras, '73, has accepted a position as a registered nurse at the Veterans Administration Hospital in Fargo, N.D.

Debra DeWitz, '73, has been hired as director of volunteers and elementary services coordinator at the Heart of America Human Services Center in Rugby, N.D.

Michael Lillestol, "73, has received the M.D. degree from the University of Minnesota Medical School and will continue his medical training at Northwestern Hospital, St. Paul, Minn.

Walter Leer, '73, is vice president in charge of group sales and an actor at Dirty Jack's Wild West Theatre, Jackson Hole, Wyo.

Carolyn Luckenbach (Jones, '73) is a research assistant for the Texas Municipal League in Austin, Tex.

Linda Peterson, '73, has been named winner of the Larry S. Schlassinger Memorial Award by the UND journalism faculty.

Mrs. Gordon Dexheimer (Mary O'Leary, '73) is an outreach worker for the Minot (N.D.) Commission on Aging.

Curt White, ex "73, is an assistant professor of chemistry at Community College of Allegheny County, Pittsburgh, Pa.

Pvt. Donna Yeager, ex '73, is stationed with the Women's Army Corps in Japan.

Robert Tupa, '73, is teaching in Stanhope, Victoria, Australia. He is married to the former Virginia Kistler, '73.

Jeff Skjerven, '73, is Criminal Justice Planner for 10 northeastern North Dakota counties. He is married to the former Bonnie Larson, '72.

Joel Simons, '73, has been appointed bank depositor representative for Blue Cross and Blue Shield of North Dakota in an 11-county area in the southwest section of the state. His wife is the former Patricia Ann Deede, '72.

Donald Steinke, "73, studied for three weeks this summer at the Soviet Federal Institute of Sport and Physical Education in Moscow.

Mary Lee Schumacher, '73, is enrolled in the University of Manitoba School of Music.

Gale Smith, ex '73, is a cancer researcher at Texas University, Austin.

Susanna Schmidt, ex '73, is a reading specialist for a Myrtle Creek, Ore., school district.

Orell Schmitz, "73, has joined the Bismarck, N.D., law firm of Zuger and Bucklin.

Richard Kosel, "73, has joined R. S. Kvamme Construction Company, Moorhead, Minn., as an estimator, salesman and draftsman. He is married to the former Rondi Lou Stewart, ex

Mary Anne Jaedike (Speck, ex '73) is a teacher in Beloit (Wis.) Public Schools.

Edward Hill, '73, is superintendent of St. Cloud (Minn.) Parochial School.

Mrs. Yvonne Kearns (Held, '73) is assigned as a social work specialist in the U.S. Army at Fort Sill, Okla.

Douglas Davison, '73, is a management trainee with the Knife River Coal Mining Co., Bismarck, N.D.

Joy Anne Jurkiewicz (Pillard, ex '73) is employed in the actuary department of Bankers Life Insurance Company in Chicago,

Mark Carlson, '74, has been named winner of the Sigma Delta Chi Outstanding Graduate Citation for 1974 by the UND journalism faculty. He has accepted a position as associate editor of the Pierce County Tribune at Rugby, N.D.

Joseph Karas, '74, has been commissioned a second lieutenant in the U.S. Army Reserve Medical Corps. He is married to the former Debbie DeSautel,

Theresa Lowe, '74, is an intake counselor at the Heart of America Human Services Center, Inc., in Rugby, N.D.

