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## *It's Music Week on Campus*

# Mozart Oratorio Thrills Audience; Convo Offers Noted Tenor Tonight

This is the Summer Session's music week.

Thursday night, the 70-voice Choral Union thrilled an apprecia-

tive audience in the University Center Ballroom with a presentation of Mozart's oratorio, "Glory, Praise and Power."

This evening, Paul Knowles, Minneapolis tenor, will appear in concert at the Center Ballroom at 8 p.m. This free convocation is open to the public.

Seven guest members of the Winnipeg Symphony were on hand Thursday night to assist the Choral Union with the Mozart presentation. Guest soloists, in addition to Knowles, were Marjorie Swenson, Thief River Falls, soprano; Pamela Gartner, Grand Forks, alto, and Prof. Philip Hisey of UND, bass.

Twenty-one local musicians joined with the Winnipeg group in the accompaniment to the Choral Union singers. The guest musicians from Manitoba were Victor Pomer, Myrna Pomer, Evelyn Somers and Lorraine Ovenell, violin; Nicolas Gelmych, viola, and Paul Olynyk, bass.

Director of the entire production was Prof. Robert B. Van Voorhis. Prof. Paul Lundquist was organist. Assistant to the director was Marjorie Haga.

The oratorio consisted of a series of litanies, petitions by the clergy with frequent responses by the congregation. In all, nine selections were presented — some of them marked by solemnity, some by ten-

(Continued on Page 7)

This was a practice scene as the Choral Union prepared for Thursday night's oratorio with Robert Van Voorhis directing. In the foreground are three of the guest soloists (from the right), Philip Hisey, Pamela Gartner and Marjorie Swenson.



—(Photos by Lynn Melby)

## *For Aug. 14 Graduation*

# 17 Named as Grey Gowns

By DONALD RICHARDSON

Seventeen Juniors have been invited to be Grey Gowns, honorary ushers for the Aug. 14 Summer Session Commencement.

Dean M. L. Cushman, Commencement Committee chairman, said they are Susan Amundson, Lakota; Connie Askegaard, Moorhead, Minn.; Rebecca Backstrom, Mad-dock; Mary Baumgartner, Stras-burg; Pamela Kiono, Grand Forks; Ronald McPhail, Crosby; Verna Nelson, Flaxton; Shirley Olson, Grand Forks; Sharon Rand, Ayr; Ross Riley, Crosby; Laurie Roge-ness, Buxton; Francis Scully, Bot-tineau; Avis Skarperud, Grand Forks; Bette Tandberg, Grand Forks; Jo Ann Triplett, Lansford; Gail Tufte, Grand Forks; and Lily Wong, Hong Kong.

Members of the Air Force ROTC "Angel Flight" also will usher.

At present 314 students are scheduled to receive degrees at the commencement. The exercises will be held in the Fieldhouse Aug. 14 at 10 a.m., according to Dr. Cushman. Other committee members

(Continued on page 6)

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## ONE STUDENT SEEKS NEW DEGREE

On Page 8: New Diploma Explained

By DONALD RICHARDSON

A specialist's diploma—first ever to be awarded by UND—is the goal of one student at the Aug. 14 Summer Session Commencement.

Candidates for advanced degrees now number 204, reports Dr. Russell A. Peterson, Graduate School administrative assistant.

Eleven are doctoral candidates,

five seeking Ph.D.'s, and the other six doctor of education degrees.

A breakdown of the 192 masters candidates shows 77 for master of education, 70 for master of science, 25 for master of science teaching, and 20 for master of arts.

Dr. Peterson says some of these still may withdraw if unable to fulfill all requirements.

The Registrar's office reports 110 candidates for undergraduate de-grees.



## What's Cooking?

# Plenty, at the Eating Spots

By JANICE BOMMERSBACH

Cooking for UND summer students isn't a "small" task.

For instance, on an average day in the Terrace Room at the University Center, two meat dishes and a hot dish are prepared. Three main dishes may not seem a terrific amount, but it takes about 100 pounds of roast, 25 pounds of steak, or 40 pounds of pork chops and 75 servings of hot dish to satisfy the consumers, as Mrs. Mel Gryte, cafeteria manager, well knows.

The Snack Bar—on main floor—is also a frequent meal site. In one day it uses approximately 40 pounds of hamburger, 30 dozen eggs, 15 pounds of bacon, potatoes for 720 servings of french fries, 70 gallons of coffee, 50 gallons of lemonade and ice tea, and 70 gallons of coke.

"This is in addition to all of the vegetables and salads," said Mrs. Gryte.



—Photo by Lynn Melby

They "dish it up" at the Center's Snack Bar—(left to right) Marilyn Dalzell, Gail Tufte and Steve Walski.

Bakery goods are also consumed in large portions: about 35 dozen doughnuts, 30 pies, 24 dozen cookies and 20 dozen bars a day.

About 800 students eat in the Terrace Room a day, said Mrs. Gryte.

## 25 Take Clerk-Stenographer Course

Twenty-five persons have started a 45-week clerk-stenographer training program sponsored by the Business Education Department and financed by a \$101,667 grant from the U. S. Departments of Labor and Health, Education and Welfare.

The program, provided by the Manpower Development and Training Act, is the third at UND, according to Dr. John Rowe, Business Education chairman.

The course covers secretarial training, involving a wide range of secretarial training activities. It is designed to raise the employability level of participants, Rowe explained. Classes run for eight hours each day. Students receive subsistence grants and are placed in po-

sitions upon completion of training.

Participants include Linda Markwardt, Bisbee; Connie McDonald, Deering; Maureen Anderson, Devils Lake; Ellen Michelson, Fargo; Joe Devlin, Finley; Mrs. Evelyn Guterud, Evelyn Ilac, Mrs. Fern Fitchin, Mrs. Mary Koons, Sylvia Lundebly, Dorothy Olson, Mrs. Sally Swanson and Mary Swenson, all of Grand Forks;

Yvonne Maurseth and Twyla Post, both of Northwood; Sandra Olson, Niagara; Patrica Wangen, Petersburg; Mary Busche, Valley City; Mary Martens, Breckenridge; Paul-ette Bushy, Lloyd Doble, and Mrs. Vivian Peterson, all of East Grand Forks; Linda Nesseth and Nancy Berge, both of Fosston; Annette Tafflin, Lengby, Minn.

### WINS ARMY AWARD

Gregory Stolt, Grand Forks, is one of 400 high school graduates in the nation who have been awarded the first four-year scholarships by the U. S. Army. Stolt will enter UND this fall. The scholarship will pay tuition and fees, and provide text books and a subsistence allowance of \$50 a month.

## Education Tops Major Subjects For Summer Study

Education majors again make up the largest group of graduate students with 251 compared to 274 for last summer.

Another 121 are enrolled in Business Education. These two are the only groups with totals reaching three figures.

Counseling and Guidance took a drop from last year's 115 to 92 for this summer. The drop of 23 students put this group even with the 1963 summer session.

Mathematics and English majors each gained one over last year with 35 and 27, respectively. Two other groups showing gains are Music, rising from 30 to 46 and Physical Education, from 39 to 49. The accounting department claims 29.

The remaining 527 graduate students are divided among the departments with various majors.

## Bulletins

### UND Activities

**CONVOCATION**—Paul Knowles, University of Minnesota tenor, 8 p.m. today, University Center Ballroom.

**SWIMMING** — Fieldhouse pool open for recreational swimming 3:30 to 5:30 p.m., Monday through Friday; and from 6:30 to 8 p.m. on Tuesdays, Wednesdays and Thursdays.

**ART EXHIBIT** — Paintings by Prof. David R. Brown, Art Gallery, Library, today, Monday and Tuesday, 7:30 a.m. to 11 p.m., 8 a.m. to 10 p.m., Saturday; 1 to 10 p.m. Sunday.

### ASSIGNED TO TURKEY

Paul J. Zollar, a 1963 UND graduate, has been named a Peace Corps Volunteer after training at Princeton University. He has been assigned to Turkey, where he will teach the English language.

## Staff

Published each week during the Summer Session at the University of North Dakota by students in Journalism.

ADVISER: Alvin E. Austin.

STAFF MEMBERS: Harrison Thompson, Donald Richardson, Janice Bombersbach, Lynn Melby, Sister Rosanne Wieseler, Diana Strom.



## *California High, N.D. on Low Side*

# Science Teacher Salaries Vary Over U.S.

California is on the top of the spectrum, as far as science teachers' salaries are concerned, and North Dakota schools along with southern states are paying less for such instructors.

That's the evidence turned up by a survey of salaries of high school teachers who attended the 1964-65 Academic Year Institute for Secondary Science Teachers.

The teachers aren't complaining about the pay they'll get next year—as their average increase amounts to \$1,043 over their last teaching position.

Of the 40 institute participants, 37 have accepted positions for 1965-66, two are continuing graduate study and the plans of one still are incomplete.

Prof. J. Donald Henderson, institute director, says geographic location seems to account for the wide salary ranges. The average salary for the nine-month school year is slightly more than \$6,500 but the totals range from \$5,500 to \$9,900. Salary increases range from \$100 to \$3,400.

Minnesota is a nonconformist. Institute participants going to that state are receiving some of the lower salaries, as well as one of the highest, Henderson said. As a rule, larger cities pay higher salaries, he said.

"Each year an increasing number of superintendents in larger or the more select schools seek AYI participants to fill vacancies. It is especially pleasing to have schools with institute graduates back seeking more. Apparently our program is becoming more and more widely

recognized for teaching now being done by former participants. This, of course, is the true test of any such program," Henderson said.

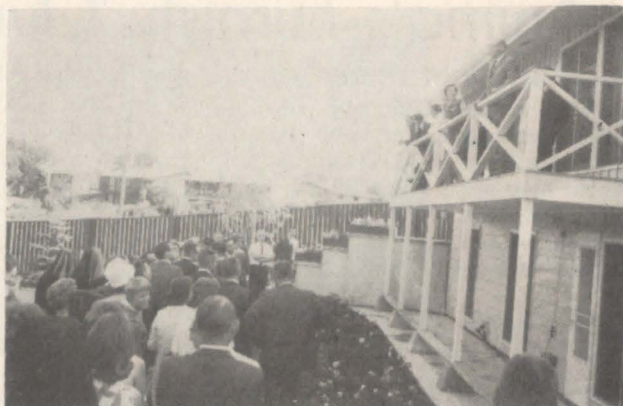
The Academic Year Institutes are conducted by a National Science Foundation grant. UND has received \$263,740 to conduct an institute

during 1955-66 to allow 40 teachers again to spend a year on campus working for a Master of Science Teaching degree. The grant is the sixth UND has received to conduct Academic Year Institutes. In the five previous institutes, 210 science teachers have participated.

## Rowe Tea Honors Workers From World Typing Institute

From his back-porch balcony, Dr. John L. Rowe presents the guests of honor at a tea and reception for Business Education students.

(Picture by Sister M. Rosanne).



By SISTER ROSANNE WIESELER

All summer business education students were guests at a tea and reception Saturday at the home of Dr. John L. Rowe, chairman of the Business Education Department.

Invitations were extended as a gesture of appreciation for work students had done toward the success of the Fifth Biennial World Institute on the Teaching of Typewriting and Office Technology held on campus July 14-16.

Guests of honor at the reception

were Dr. Christopher J. Hamre, dean of the Graduate School and Mrs. Hamre; Dr. M. L. Cushman, dean of the College of Education, and Mrs. Cushman; Dr. Robert Wiper, visiting professor in Business Education, and Dr. John Peterson, assistant professor in Business Education and Mrs. Peterson.

## India Teacher To Study Here

By LYNN MELBY

A supplementary grant for the forthcoming Academic Year Institute for High School Science Teachers has been awarded by the National Science Foundation.

The grant of \$3,540 will enable a foreign high school instructor, Kota Ramakrishna of India, to attend the institute. He will arrive on the campus in September.

The latest grant brings the total for the Academic Year Institute to \$263,740.

## 'ELECTRON' AIDS BIOLOGY RESEARCH

By DONALD RICHARDSON

Dr. Syed M. Jalal, assistant professor of Biology, has returned from the Berkeley Campus of the University of California, where he attended a two-week conference on Biological Electron Microscopy.

Purposes of the conference were to study the theory and application of electron microscopy to biological material, said Dr. Jalal.

Dr. Jalal said that the electron microscope is used in several fields and has had application in biology for 15 years, with the most progress the past five years. It uses a beam of electrons rather than light and is much more powerful than the ordinary light microscope, he said.

Its main use in the biology field is in the study of the substructure of cells, said Dr. Jalal.



# 1,700 Take Part in 36 Summer Workshops

By **JANICE BOMMERSBACH**  
and **DON RICHARDSON**

Enrollment in summer workshops, institutes and conferences reached an all-time high this year, with approximately 1,700 persons participating in the 36 scheduled programs.

The sessions were sponsored by University departments, the Graduate School and several outside groups.

They ranged in length from three

days for the institute on office technology and typewriting, to 11 weeks for the Linguistics Institute. Twelve lasted the full eight-week summer session.

Enrollment varied from 400 in the typewriting institute to three in research participation for college teachers. A few other large "drawers" were the Administrators conference with 300, Alcohol Studies with 116, the High School Science Teachers Institute with 61, the High School Journalists Institute

with 52 and "CAUSE" with 50.

Mayville State College helped to conduct the drivers training course.

University facilities were used by outside organizations as well, with 4,000 attending the Nodak Rural Electric Cooperative, Inc. annual meeting in the Fieldhouse, 500 in the University Center for the North Dakota Bar Association convention, and 175 enrolled for the Potato Conference, also held in the University Center.

## *Vital to Science*

### Animals Furnish 'Clues'

By **LYNN MELBY**

"Why do scientists and naturalists spend so much of their time in the study of animals?" is a question which may arise often among "laymen," says Dr. W. J. Breckenridge, director of the Museum of Natural History at the University of Minnesota.

Breckenridge cited a case of the study of a certain bird which was said to lead observers to bee nests.

The findings in this study led to clues for tuberculosis - curing treatment.

Lecturing to the Summer Science Institute on Tuesday, Breckenridge showed slides of results of some of his own studies of



**Breckenridge**

birds such as the wood duck.

Dr. Breckenridge is a native of Iowa and received his B.A. degree at the University of Iowa. His M.A. and Ph.D. were earned at Minnesota with major studies in zoology, botany, and geology.

He served as preparator and curator at the Museum of Natural History before becoming director in 1946.

Breckenridge spoke as guest lecturer Monday and Tuesday on "Preparation of Museum Materials," "Sand Country Wildlife" and "Projects in Field Biology."

The annual Science Institute ban-

quet will be held Aug. 13 at the River Bend Country Club, east of East Grand Forks.

### Parking Lot Paving Begins

Work began Wednesday on the parking lot paving project. The University Center lot took priority as ground preparation began.

Gordon M. Kroeber, building and grounds superintendent, listed the tentative schedule for five more lots. The intramural field is to be second, followed by the Princeton lot, the space behind Johnstone-Fulton, the lot by the Women's Gymnasium, and West Green, north of the new dormitory complex.

### Next Grad Record Test Is Nov. 13

By **LYNN MELBY**

Graduate Record Examinations, required for admission to many U.S. graduate schools, will be administered at UND Nov. 13. The tests will be repeated Jan. 15, Feb. 26, April 23 and July 9 of next year.

The examinations, offered in a nationwide program, include a test of general scholastic ability and advanced test of achievement in twenty different fields of study.

Candidates are permitted to take both the aptitude test and one advanced test on any one of the test dates scheduled.

Registration forms and information may be obtained at the UND Counseling and Guidance Center or from Educational Testing Service at either Princeton, N.J., or Berkeley, Calif.

### 780 SEE 3 PERFORMANCES OF PLAY

By **LYNN MELBY**

"Everything went fine except the air-conditioning which refused to work on Saturday night," said Dr. Donald W. McCaffrey, director and

performer in the summer production "The Streets of New York," staged in Burtress Theater July 29-31.

McCaffrey complimented the cast, "We had a lot of new talent who did very well in the play."

The attendance for the run of the play was 780, much higher than usual for a summer production. Friday evening was a total sellout with people who had not obtained tickets beforehand being turned away.

"I believe the high attendance showed the increasing interest in summer stagings. We received many compliments on the performance."

#### NOTICE

**All candidates for doctoral and master's degrees—and their families—have been invited to a reception sponsored in their honor next Friday, Aug. 13, by Dean and Mrs. C. J. Hamre. The reception will be held from 8 to 9:30 p.m. in the Center's Dakota Lounge.**



## 47 of Them on Campus

# Session's Sisters Study, Play, Pray Hard

By SISTER ROSANNE WIESELER

No matter where they come from or what they wear, the Sisters on campus this summer seem to be united in three ways—they work hard, they play hard and they pray hard.

Although fellow students expect to see Sisters poring over books, their garbed classmates may be found just as readily lobbing balls on the tennis courts or venting their frustrations in a ping pong match. Sunday mornings and late week-day afternoons they regularly traipse to the Newman Chapel for Mass.

This year 10 religious orders are represented by the 47 Sisters who come from 18 communities.

Business education claims 21 of the Sisters. Eight participate in the Science Institute. Four are in music and three in Guidance and Counseling. Other Sisters are studying social science, mathematics, science, art, industrial arts, accounting, education and school administration.

Gowns and hoods will provide a problem for five Sisters who will have master's degrees conferred on them this summer. Sister Rita Jeanne, O.S.F., has earned her master's degree in business education; Sister Jeron, O.S.B., in mathematics; Sister Kevin, O.S.B., in secondary school administration; Sister Janice, O.S.B., in elementary education, and Sister Noel, C.S.J., in guidance and counseling.

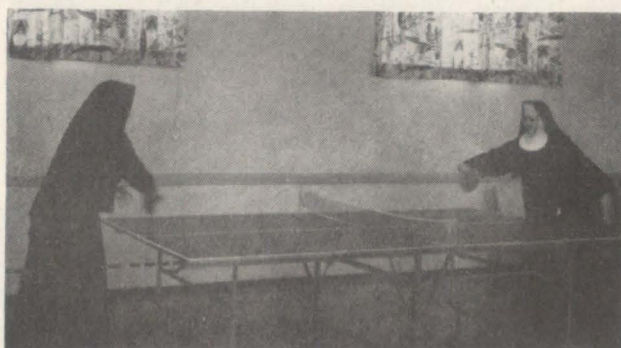
One is a doctoral candidate in guidance and counseling.

The initials following a Sister's name refer to the order to which she belongs. The term "order" refers to all those Sisters whose way of life is governed by the principles laid down by their founder. Each order is established for the purpose of doing certain types of work. The manner in which this work is to be performed is referred to as their "Rule."

Not all Sisters belonging to the same order live in the same area. Thus, two communities of the Sisters of St. Joseph are represented here—St. Louis, Mo., and St. Paul, Minn.

Franciscans come from Manito-

To relax on a cool evening, S. Mary Jean Evelyn, a Sister of the Blessed Virgin Mary, leads a "hootenanny" with her accordion. Left to right she is joined by S. Mary Isadore, Humility of Mary; S. Benedict, Sister of Mercy; S. Bernadette, Ursuline; S. Rita Jeanne, Franciscan, and S. Genevieve and Mary Kevin, Sisters of the Precious Blood.



After completing her "comps," S. Kevin, Benedictine (right) challenges S. St. Edward, Humility of Mary, to a game of ping pong.

(Pictures by Sister M. Rosanne).

Left to right, S. Emily, a Benedictine; S. Mary Leo, a Sister of St. Joseph, and S. Vianney, a Franciscan, share coffee and rolls and chat with fellow parishioners, Mr. and Mrs. Cy Blaser



and sons, Mark and John, after Sunday mass in the Newman Chapel.

woc, Wis.; Hankinson, N. D., and LaCrosse, Wis.

Benedictines are from St. Joseph and Crookston, Minn.; Cottonwood, Idaho; Bismarck, N. D., and Pierre, S. D.

Sisters of the Precious Blood have their communities located in Dayton, Ohio, and St. Louis, Mo.

Other orders here include one Ursuline from Edmonton, Alta.; two Sisters of the Blessed Virgin Mary, Dubuque, Iowa; two Sisters of the Humility of Mary, Ottumwa, Iowa; three Sisters of Mercy, Oma-

ha, Neb.; two Sisters of the Holy Name of Jesus and Mary, St. Boniface, Man., and one School Sister of Notre Dame, Montreal, Que.

With each order having its own distinctive garb, the Sisters display a wide variety of dress. The head piece worn by the School Sister of Notre Dame is patterned after the Notre Dame Cathedral in Paris, France. The white linen cloth shaped into a point over the top of the head represents the steeple. The veil gathered in a circular (Continued on Page 8)



# Postage Stamps Help 900 Get Education

By JANICE BOMMERSBACH

About 900 students are enrolled in correspondence study through the University Extension Division. They represent almost every state in the Union, as well as the Philippines, Mexico and Arabia, according to W. E. Bitney, assistant director of the Extension Division.

About 60 per cent of the "study by mail" students are from UND. Their pursuit of correspondence courses is the result of class conflicts, need of courses not offered during summer school, and holding jobs during the summer months but still wanting to progress toward degrees. Teachers working toward

advanced degrees or military persons make up the other 40 per cent, Bitney said.

The Correspondence Department offers 109 courses and allows students one year to complete a course. The cost is \$12 per semester hour plus \$1.50 for paper and envelopes for those needing them. This price does not include the textbook, which may be purchased from the bookstore.

UND's Extension Division is a member of the National University Extension Association which includes 110 U. S. colleges and universities. Courses not offered by UND may be taken from another of those extension divisions, with credit applicable here.

Under University regulations, only 30 hours of correspondence study may be applied toward a degree.

## Aim: Liquid Fuel from Lignite

## G. N. Finances Project Here

President George W. Starcher (right) signs a contract with the Great Northern Railway. Others pictured are (left to right) David S. Gleason, G. N. metallurgist; Dr. Donald E. Severson and Dr. Duane R. Skidmore of UND.



(Photo by Terry Olson).

UND and Great Northern Railway will share in an extensive research project toward production of liquid fuel from lignite coal.

Great Northern's directorate has authorized a \$175,000 appropriation to finance the project which will be conducted by the UND Chemical Engineering Department.

Dr. Donald E. Severson, professor of Chemical Engineering, will be project director. Working with him will be Dr. Duane R. Skidmore, assistant professor of Chemical Engineering. Research will begin in September and is expected to cover a four-year period.

The project was stimulated by current research by the U.S. Office of Coal Research and several chemical companies on development of a process for production of liquid fuel from lignite and other coals. North Dakota's reserve of lignite is estimated at 350 billion tons.

A possibility of the lignite project is the development of a fuel for railway locomotives, in addition to a crude oil-like extraction which could be refined by oil companies. Interested government agencies and oil and chemical concerns are expected to work on the project.

## 3M Company Gives U 'Teaching Tools'

The College of Education has received a \$2,000 grant in the form of teaching tools and reference materials from the Minnesota Mining and Manufacturing Co., St. Paul.

Dean M. L. Cushman announced the receipt of a transparency maker and copier, an overhead projector, transparency film, several hundred packets of transparency originals in 70 subjects, an accessory kit for preparing and using transparencies, and prepared transparencies in nine subject areas.

"These grants," said Dean Cushman, "will expose students in teacher education to modern teaching tools."

## GREY GOWNS

(Continued from page 1)

are George Dike, assistant professor of speech; Dr. Walter Kaloupek, professor of political science; Robert Kunkel, instructor in speech; Miss Ruby McKenzie, registrar, and Mrs. LaVonne Russell, assistant professor of nursing.

A UND graduate, Edward J. O'Connor, superior court judge for California, will be main speaker.

Chairs will be placed on the Fieldhouse floor and west end bleachers will be used.

## Summer Staff Listed for UND Radio Station

By DIANA STROM

KFJM's summer staff as listed by Myron M. Curry, director of Radio-TV at the University's radio station, include David E. Beach, assistant director-radio, and J. W. Woolsey, assistant director-TV.

Sign-on time is 10 a.m. and sign-off time is 8:30 p.m., with the exception of Sundays when broadcasting

begins at 1 p.m. and ends at 4:30 p.m.

The summer broadcast programs include classical music, educational lectures and interviews, a chapter a day from a timely book and news broadcasts. Those desiring detailed program bulletins may acquire them at KFJM in Science Hall.

KFJM's summer project is devoted to preparing the schedule for fall broadcasting.



*Visit at White Earth*

## Counselor Trainees See Indian Projects

A field trip to the White Earth Indian Reservation in Minnesota highlighted this week's activities for the 50 participants in CAUSE II—the eight-week course for counselor trainees.

The group, studying under a \$60,000 contract with the U.S. Department of Labor, has reached the midpoint in the program, known as Counselor Advisor University Summer Education.

UND is one of approximately 35 colleges and universities conducting the program this summer. The stu-

dents here, all college graduates, come from a seven-state area—North Dakota, South Dakota, Nebraska, Iowa, Minnesota and Illinois. Administrator in charge of the training program here is Dr. Nick Johansen, training coordinator.

At the White Earth Reservation, the trainees viewed the progress of such federal programs as Operation Head Start, House Building, Remedial Reading, Homemaking and Community Action.

Other field trips have been to the Grafton State School, the Youth Opportunity Training Center in

Grand Forks and to area immigrant worker camps. Future trips are planned to the Jamestown State Hospital, Fort Totten and Fargo.

The program ends Aug. 27, after which the trainees will spend an additional four-weeks in on-the-job training in Employment Centers or Youth Opportunity Centers. After that, they will be placed in full-time positions with disadvantaged youth.

Executive Director of the project is Dr. Eldon M. Gade, chairman of the UND Counseling and Guidance Department.

*On Job Here*

## Woman Is Oil Engineer

By JANICE BOMMERSBACH

One of seven women to graduate from the Colorado School of Mines in its 91-year history is presently employed by the North Dakota Geographical Survey which has its headquarters at UND.

Receiving her degree in 1965, Juanita A. Williams, a petroleum engineer, has been working on gas-oil ratios and pressure reports with the North Dakota Oil and Gas Commission. This fall she hopes to work in the laboratory making tests on oil to determine the quantity of North Dakota oil production, she said.

Miss Williams believes a person's sex shouldn't determine their occupation, but rather, their interests should.

Coming from a School of Mines and being one of only seven females ever enrolled, could be disadvantageous; but Miss Williams found very little discrimination. "Despite the usual conflicts," she



—Photo by Lynn Melby

**Add unusual occupations! Juanita A. Williams (above) is a petroleum engineer for the Geological Survey here.**

said, "most of my teachers and fellow students were very nice to me." She also remarked that studying petroleum engineering left little time for socializing.

Originally from Colorado, Miss Williams enjoys North Dakota, but misses the mountains of her home state.

## CONCERT

(Continued from page 1)

derness. All were written by Wolfgang Amadeus Mozart in the latter half of the Eighteenth Century.

Appearing under the auspices of the Convocation Committee, Knowles tonight will demonstrate his large repertoire with songs from the early baroque period through the classics to contemporary works. His program will also include a medley of Rodgers and Hammerstein songs and a group of nursery rhymes set to music.

Knowles' musical career has included singing under Arturo Toscanini as a music student in New York, winning the Metropolitan Opera Auditions of the Air, singing 47 tenor oratorio roles with Boston's renowned Handel and Haydn Society, and singing over 500 concerts to audiences in this country, Canada and Europe.

An assistant professor of music in the Department of Music at the University of Minnesota, Knowles teaches studio voice and class voice and directs the Opera Workshop. He currently is on a midwest concert tour.

## Article Accepted by 'Dakota Teacher'

Sister Mary Leo, doctoral candidate in Guidance and Counseling, authored an article on "The Care and Nurturing of a Faculty" to be published in the September issue of the "Dakota Teacher." Sister

also wrote "A Check List of Symptoms of Brain-Damaged Children," which appeared in the February, 1963, "Catholic School Journal." She is a member of the faculty at St. James High School, Grand Forks.

## 46 Sign up for 1966

### Summer Session Housing

Signups for married student housing for the 1966 Summer Session total 46, reports Ron Volden of the Housing Office. Twenty-eight persons stood in line to place their names on the list when applications opened July 26 at 8 a.m.



## For School 'Specialists'

# Practical Aspects Stressed by Diploma

By **DON RICHARDSON**

The Specialist Diploma, under the sixth-year program, is being offered at UND for the first time, reports Dr. Archie L. Gray, professor of Education and Psychology.

It is a practical diploma falling

between the master's and doctor's degrees.

The program was set up to train students for positions as superintendents of schools and is a practical rather than theoretical course.

Dr. Gray reports that the curriculum provides for a greater depth of specialization and a greater breadth of general cultural background than is possible at the master's level, and is made to fit the background of the individual student.

It includes considerable academic work, a practical research paper and a period of internship under some one who is considered an outstanding school administrator.

Not all of the work will be transferable to the doctorate program but in some cases it does not preclude a recipient from applying for candidacy for a doctor's degree.

Ten students are now enrolled under the program and more have indicated interest, said Dr. Gray.

He emphasized that this is not a "consolation prize" in place of the doctor's degree, but is a self-contained program aimed to upgrade school administration.

By July 1, 1967, the Specialist Diploma will be required for new entrants obtaining certification in school administration in North Dakota.

The sixth - year program now covers only the field of school administration, but future plans are to extend it to other fields, said Dr. Gray.

## Speaker



Superior Court Judge Edward J. O'Connor of California, a UND alumnus, will be the speaker for the Aug. 14 Commencement.

## IF THURSDAY COMES, SO WILL EXAMS

By **DON RICHARDSON**

Final examinations in all courses for the second four-week and the eight-week sessions are scheduled for next Thursday and Friday.

Examinations for courses meeting during the odd numbered periods will be held on Thursday and those meeting during even numbered periods will be held on Friday.

Thursday's schedule: period 1, 8-10; period 3, 10-12; period 5, 1-3; and period 7, 3-5.

Friday's schedule: period 2, 8-10; period 4, 10-12; period 6, 1-3; and period 8, 3-5.

## ● SISTERS

(Continued From Page 5)

manner slightly above the waist in the back symbolizes the rose window above the main entrance of the cathedral.

Garbs of other orders also have distinctive features. The Franciscans are noted for their white cord; and Benedictines, their scapular.

The Franciscan cord is symbolic of their way of life that emphasizes poverty. The three knots in their cord stand for their three vows—poverty, chastity and obedience.

Benedictines take the additional vows of stability and conversion of life. Their scapular, symbolizing a yoke, depicts their loyalty to duty.

## NAMED SECRETARY

Dr. Elwyn B. Robinson, professor of history, has been named secretary of the new North Dakota State Historical Board.

# 5,800 Is Magic Number For Fall Student Crush

By **DON RICHARDSON**

More than 5,800 students are expected to enroll at UND for a record fall enrollment.

The 1965 fall semester enrollment as projected by Harland Bartholomew and Associates, consulting planners, Washington, D. C., was 5,852.

Rising student fees are not expected to affect enrollment as the prospective report is way up, according to Miss Ruby M. McKenzie, registrar. Enrollment is expected to exceed the Bartholomew estimate.

About 1,500 to 1,600 freshmen are expected, compared to 1,457 in the fall of 1964. Pre-registration closed

July 30 with about 775 freshmen and 2,547 upperclassmen pre-registered.

The Medical School will open on Sept. 1 with classes beginning that date.

Freshman orientation will be Sept. 9 through 15 with the annual program for parents being held on Sept. 9 at 2:30 p.m. in the University Center Lounge and Ballroom.

Upperclassmen and transfer students not pre-registered, will register in the Fieldhouse Sept. 14 and 15. Classes will begin Sept. 16.

Projected figures show that UND will have about 30 per cent of the total enrolled in the nine state-supported institutions of higher learning in North Dakota.