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University of North Dakota Alumni Association

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First 'Dividends'

U Grads, Aided by Loan Fund, Returning to N. D. to Practice

Six Are Due Back In Spring

Six University of North Dakota School of Medicine graduates, who benefited under the terms of the State Medical Center Loan Fund, now are preparing to return to North Dakota communities to begin the practice of medicine.

The six, all of whom received their M.D. degrees this spring, will return to the state when their year of internship

On U Research Team



—GRAND FORKS HERALD PHOTO

DR. W. E. CORNATZER (left) and DR. ROBERT FISCHER
Not pictured: Dr. George Miroff, their associate

\$100,220 for Research

U Gets Big Grant

The largest grant ever received by UND—an award of \$100,220 for medical research—has been announced by President George W. Starcher.

The funds, provided by the U. S. Department of Health, Education and Welfare, will finance a five-year investigation into the role of phospholipides in poliomyelitis virus synthesis. Phospholipides

are a basic class of compounds in cells.

Dr. W. E. Cornatzer will direct the project, which will be undertaken jointly by the departments of biochemistry and bacteriology. His research associates will be Dr. Robert Fischer, bacteriology, and Dr. George Miroff, biochemistry.

These three scientists, work-

'56 Medic Locates In Rolla

North Dakota received its first "dividend" from its Medical Center Loan Fund this summer when Dr. Jon V. Eylands, '56, returned to the state and set up his medical practice at Rolla.

Eylands was able to benefit under a 'single year of the Loan Fund's terms after it was authorized by the state legislature in 1957 while he was attending McGill Uni-

98 Get Loans

Ninety-eight loans totaling \$193,150 have been made to UND School of Medicine through the Medical Center since the program was authorized by the state legislature three years ago. In 1957-58, 26 loans for a total of \$55,200 were made. Forty loans totaling \$75,000 were added in 1958-59, while in 1959-60, loans of \$62,950 were divided among 32 graduates.

versity. He received his M.D. from McGill in 1958 and interned at St. Joseph's Hospital, Flint, Mich., before returning to North Dakota. He is a native of Grand Forks.

Dean T. H. Harwood of the UND School of Medicine predicts that Rolla will reap the benefits of a true medical

(Continued on Page 5)

Needed: 38 Doctors

Officials of the State Medical Center are working with 38 North Dakota communities of less than 3,000 population, which have indicated that they are in need of a medical doctor or an additional doctor.

is completed next spring. All finished at UND in 1957.

Only one of the group definitely has decided upon a location and several are hoping to locate in towns of less than 3,000 population, under the forgiveness clause of the loans.

The six are:

Dr. Russell L. Odegard, who received his M.D. from Kansas University, and now is interning at St. John's Hospital, Fargo. He has completed arrangements to enter into prac-

(Continued on Page 5)

44 Freshmen Medics Admitted by U

6 U Graduates Join Staff of Bismarck Clinic

When Quain and Ramstad Clinic, Bismarck, announced recently that nine doctors had become new members of its staff, six of the M.D.'s named were graduates of the UND School of Medicine.

The six are Doctors Thorlief L. Stangebye Jr., '52; James R. Morton, '52; Harris D. Hanson, '49; R. Warren Pierson, '52; Wesley E. Levi, '43, and William D. Waldschmidt, '51.

They joined six other University graduates already on the Clinic's staff—Doctors M. E. Nugent, '40; R. R. Kling, '42; R. F. Nuessle, '32; R. D. Schoregge, '42; P. L. Johnson, '41; and P. W. Freise, '23.

Noting that several of the doctors are returning to the state to practice after a considerable lapse of time since completion of their basic medical education, Dean T. H. Harwood of UND commented:

"Many young doctors today take several years of additional study in order to specialize in various fields of medicine. This delays the return to North Dakota of many of our graduates, but this showing at the Bismarck clinic indicates that eventually, many of them do return."

Military service required of all medical graduates unless they are veterans, further delays the state of medical practice for many.

Of the group joining the Bismarck staff, Drs. Stangebye and Morton will specialize in internal medicine, Dr. Hanson in orthopedic surgery, Dr. Pierson in surgery, Dr. Levi in radiology, and Dr. Waldschmidt in thoracic and vascular surgery.

THERAPY WORK OK'D

The UND Department of Occupational Therapy again has been approved by the American Medical Association's Council on Medical Education and Hospitals.

New Class Biggest Ever; Enrollment Now Totals 81

The largest freshman class in the history of the UND School of Medicine was certified for admission this fall.

The class of 44, four more than ordinarily admitted each year in the past, was accepted in order to use the school's facilities to the fullest and to offset possible future withdrawals, Dr. T. H. Harwood of the medical school said.

With 37 second year students returning, the school's total enrollment is 81. Two students who completed their first year of medicine last June entered graduate school for a year and are serving as teaching assistants. They plan to complete their second year of medicine here in 1960-61.

Forty-two of the freshman medics are North Dakota residents. In recent years North Dakota has been topped only by Nebraska, the District of Columbia and Utah in the number of its first-year medical students per 100,000 population.

Freshman medical students this year at UND are:

Ronald Bergom, Stephen Dippe, Richard Hicks, Curtis Johnson, Malcolm Murdoch, Donald Rose, George Sarosi and Wesley Sondreal, all of Grand Forks; Robert J. Bache, Red Lake Falls, Minn.; T. Leroy Benson, Williston; Robert Boerth, Bismarck; Gary Cody, Jamestown; Donald Foss, Maddock; Charles Geisler, Valley City; Donald Hagen, Fortuna; Donald Hegge, Elgin; William

Heiser, Dickinson; William Henry, Fargo; Curtis Hill, Fargo; Wayne Hill, Ellendale; Gerald Hoffarth, Langdon; Lois Ivers, Fargo; Robert Jacobson, Elgin; Edward Johnson, Finley.

Richard Johnson, Rugby; Glen Johnston, Mayville; Reed Keller, Rugby; Jerome Kwako, Bismarck; Stefan Laxdal, Gardar; Fred Lindemann, Minot; Clem Mattson, LaMoure; David Monson, Climax, Minn.; Michael Mullen, Devils Lake; Dale Oien, Edmore; Donald Person, Fargo; Earl Peterson, Norwich; Robert Rawitscher, Williston; Kent Sack, Reeder; M. James Scherbenske, Jamestown; Darrell Skarphol, Souris; David Swenson, Bismarck; Hadley Verwest, Finley; Joseph Westby, Fairdale; and Erwin Wittenberg, Bismarck.

AT OAK RIDGE

Dr. George Miroff, research professor of biochemistry at UND, was at Oak Ridge, Tenn., for several days this month perfecting new research techniques in the U. S. Atomic Laboratories there.

University of North Dakota

ALUMNI REVIEW

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To 1962—Dr. E. L. Grinnell, Mr. Reinhold Jacobi, Gordon Aamoth, John T. Traynor, Judge Ronald Davies, Gerald Skogley.

Top Lecturers Aid in Training Of UND Medics

Four visiting lecturers, the first of the 1959-60 academic year, have given students and staff members of the UND School of Medicine important insights into a variety of phases of medical science.

The speakers to date this year have been:

Dr. James L. Liverman, director of research grants for the Atomic Energy Commission.

Dr. Ian F. F. Mackay, professor of physiology of the University of the British West Indies.

Dr. Hubert F. Loring, professor of biochemistry at Stanford University.

Dr. Richard L. Potter, principal investigator of the University of Michigan radiation laboratory.

Highlight of last year's lecture program came when Dr. James Frederic Danielli, renowned British physiologist, came to the campus on the occasion of the dedication of the Guy and Bertha Ireland Laboratory for cancer research. He spoke to medical students and staff members on "The Designing of Drugs for the Chemotherapy of Cancer."

News Notes

Herman A. Aageson, 1929, (M.D., Rush, 1937) is practicing in Oconto, Wisconsin. Dr. Aageson is married and has three children.

Harold P. Adams, 1937, (M.D., Northwestern, 1940) is practicing in Huron, S. D. Dr. Adams is married and has one son.

Ralph W. Adams, 1937, (M.D., Pennsylvania, 1939) is a practicing cardiologist in Colorado Springs, Colo. Dr. Adams is married and has one daughter.

Paul Lien Ahlness, 1955, (M.D., University of Washington, 1957) is practicing in Eloise, Mich. Dr. Ahlness is married.

Special Edition

This Special Edition of the ALUMNI REVIEW, reporting on the progress, functions and outlook of University of North Dakota Medical Center, is being mailed to all UND Alumni, and to all doctors, hospitals and health personnel of North Dakota.



Recognition for Medical Faculty

U Men Fill 3 Top National Posts

UND School of Medicine faculty members have been named to three important units charged with the evaluation of scientific programs and personnel on a nationwide basis.

Dr. C. J. Hamre, dean of the UND Graduate School and head of the Anatomy Depart-

ment, has been named to a research committee of the American Cancer society.

Dr. W. E. Cornatzer, head of the Department of Biochemistry, has been named to two groups. One will review and evaluate applications to the National Science Foundation by U. S. universities and

colleges seeking grants. The other, the American Board of Clinical Chemistry, Inc., will set standards and prescribe examinations for practicing clinical chemists.

Dr. Hamre has accepted a three-year term on the Advisory Committee on Institutional Grants of the American

Cancer Society. The 14-member group recommends action initiating grants and reports on project progress on cancer research in the areas of etiology, pathogenesis and therapy. It also approves institutional grants and research personnel. Dr. Hamre is one of two anatomists on the committee.

Assistant Dean a Big Help

A. F. Arnason, assistant dean of the UND School of Medicine, keeps busy with two very important functions.

As Secretary to the Admissions Committee, he makes first contact with students interested in entering Medical School. Transcripts and records have to be obtained and evaluated, course hours and standings calculated, meetings of the Admissions Committee arranged for, planned and organized, and letters of recommendation requested. Interviews, both informal and formal before the Committee, are all important functions in evaluating applicants.

After the semester is com-

pleted, a letter to the college which the student attended reporting his experience here, is of help to the college advisors or committee.

After admission, many medical students face another problem—that of finances. Dean Arnason counsels and helps plan for financial needs. Again there are many details—insurance or other collateral to be arranged, forms to be signed to conform to the University and legal requirements.

A genuine interest in his students makes for an effective admissions and loan program, and UND medical students appreciate that, in Dean Arnason, they have such a person.



A. F. ARNASON

... work appreciated

They're Human 'Guinea Pigs'

There is nothing "second hand" about the information and experience that UND medical students are getting these days, as their training for their chosen profession progresses.

The new academic year isn't much more than a month old, but second-year medical students already have started good-natured complaints about varying degrees of soreness in the arms.

For—as part of their courses in Bacteriology and Immunology—they have been receiving inoculations against typhoid, diphtheria, and whooping cough.

Blood tests are taken subsequently to note the presence and measure the rising amounts of antibodies in the circulating blood. When these students get to be doctors,

they will have first-hand information on patients' reactions to "shots" and will have laboratory proof endorsing their conviction that such immunizations are effective.

In Physical Diagnosis, students again are examining each other. It is most important to know the normal before the abnormal can be appreciated, and it is the usual situation to find that medical students are normal physical specimens.

The development of the techniques of taking blood pressures, examining eyes, ears, throats, hearts, and lungs, is by practicing on each other.

Soon after the start of the second semester, first-year medical students may be seen in the laboratory and attending lectures with stomach

tubes taped to their cheeks. It is part of the training in Biochemistry for students to work on each other as guinea pigs. The analysis of stomach contents means a great deal more when one runs a series of tests on himself and his classmates noting the changes under varying conditions. Blood and urinalysis are also done on each other with the same general philosophy.

As a result of the above, it can be said that the present-day medical student, upon completion of his internship and ready to practice, is several years ahead of his counterpart of 25 years ago. He is not an inexperienced doctor just learning his profession but instead, has been seeing, listening to, and feeling of patients since his sophomore year in medical school.

In being informed of his selection by the cancer society's board of directors, Dr. Hamre was told that the position was "a most challenging and important responsibility." In 1958 alone, the society's research grants to institutions totaled \$10,439,569.

On the National Science Foundation committee, Dr. Cornatzer will have a hand in setting up programs totaling approximately a million dollars for science teacher training at an anticipated 80 institutions during 1960. The foundation currently is supporting 61 programs at colleges and universities in 31 states in research participation for teachers through grants totaling \$870,000.

The purpose of the program is to assist teachers in improving their competence and broadening their understanding in subject specialties. After the deadline for the 1960 grants Oct. 26, Dr. Cornatzer will go to Washington, D. C., to discuss proposals to be aided.

On the clinical chemistry board, Dr. Cornatzer will join in certifying clinical chemists for medical schools, hospitals and laboratories. He was named to a three-year term on the board which was formed eight years ago by joint action of the American Chemical Society and the American Society of Biological Chemists.

Dr. George W. Starcher, UND president, lauded the appointments as further recognition of the high calibre of the work and personnel here at the University.

Donald E. Bahr, 1949, (M.D. Bowman Gray, 1951) is practicing in Los Angeles.

20 Medics Spend Summer in Research

Twenty UND medical students spent ten weeks last summer in laboratories on the campus, working on research projects supported by private grants.

Each of the students, evenly divided between last year's freshman and sophomore classes, received a stipend of \$600. Providing the money were the National Institutes of Health, the National Science Foundation, the National Tobacco Research Institute, and the Lederle Co., a pharmaceutical house.

Coordinating the program was Dr. John Vennes, assistant professor of bacteriology. He is given credit for making the project a valuable research experience for the group.

The students who were sophomores gave their reports at a School of Medicine meeting in August, while last year's freshmen—the present sophomores—reported at a session Oct. 1.

Purpose of the project—which started in 1954 with a single grant—is to allow medical students to continue with medical or closely related work during the summer. The grants make a summer of study possible for many who could not otherwise afford it.

"The students are more than technicians. They must become familiar with the actual research, requiring a great deal of thought and imagination on their part," said Dr. Vennes.

While the students outline and carry out their own investigation, they work under the direct supervision of faculty members.

Most of last summer's research was conducted at the UND Medical School, but several projects were arranged in connection with the State Public Health Service, the State School at Grafton and with practicing medical doctors.

The 10 students who reported on their projects Oct. 1, and their supervisor, were:

Cecil Leitch, Warroad, Minn., Dr. Walter J. Bo; Joel Linford, Bismarck, Dr. Theodore Snook; Jack Lind, Aneta, Dr. S. J. Brumleve; William Belk, Grand Forks, Dr. F. A.

Jacobs; C. Gottfried Baumann, Eldred, Minn., Dr. C. J. Hamre; Gyman Okeson, Parshall, Dr. V. L. Yeager; Miss Ann Hill, Fargo, Dr. E. G. Olmstead; Francis Manning Verendye, Dr. R. C. Holland; Oliver Wiger, Twin Valley, Minn. Dr. H. E. Ederstrom; Dale Iverson, Cooperstown, Dr. E. W. Pfeiffer.

The ten students who presented reports in August were: Douglas Miller, Cando; Richard Finlayson, Bismarck; Charles Halgrimson, Leeds; David Rinn, Minot; Dennis Wolf, Beulah; John Wallerius, Fargo; Edward McCabe, Chicago, Ill.; C. David Dixon, Fargo; Robert Sellers, Dassel, Minn. and Myron Scheflo, Landa.

N. C. Honors Go To UND Alumnus

Scoring the highest grade in North Carolina state medical examinations for both years he attended Bowman Gray School of Medicine was a 1957 UND School of Medicine graduate—Dr. James B. Hoyme of Grand Forks.

This unusual scholastic achievement was attained when Dr. Hoyme topped all students who took Part II of the North Carolina state board examination in 1959, after his score had been highest on Part I of the test in 1958.

He finished at Bowman Gray in June and now is interning at City Memorial Hospital, Winston Salem, N. C. He is planning to return to North Dakota to practice in a smaller town.

Richard Lang Anderegg, 1944, (M.D., Illinois, 1945) is practicing in San Francisco. Dr. Anderegg is married and has two children.

Osmond J. Baggenstoss, 1939, (M.D. Rush, 1941) is a radiologist at Abbott Hospital, Minneapolis. Among Dr. Baggenstoss' publications is "A Survey of Resected and Non-resected Pulmonary Nodules" dated May, 1957. He is married.

Seek Biochemistry Research Professor

The process of selecting a second research professor for the Department of Biochemis-

U Teaching Grant Of \$15,000 Renewed

Dr. H. E. Ederstrom, UND professor of physiology and pharmacology, has received notification of renewal of a cardiovascular teaching grant for \$15,000 through the National Institutes of Health of the Public Health Service. Purpose of the grant is to provide materials and visiting speakers for teaching about heart disease.

TO ATTEND SYMPOSIUM

Dr. James D. Cardy, professor of pathology at the University of North Dakota, will attend a symposium on "Blood, Fluids and Trauma" Dec. 15-17 at Walter Reed Army Institute of Research, Washington, D. C. The symposium, dealing with current concepts and studies in the field, is being arranged by the Medical Education for National Defense organization and will be attended by medical schools in the United States.

try in the UND School of Medicine now is under way.

The position is being set up under a \$75,000 grant from the Louis W. and Maude Hill Family Foundation of St. Paul under the general plan of the foundation to provide funds and impetus to educational and scientific projects contributing to the public welfare.

The University committee now is seeking an established research investigator for the position, which provides \$15,000 annually for five years. The man selected will devote a major portion of his time to biochemistry research plus limited teaching duties for medical and Graduate students. Space and facilities will be provided in the Ireland Research Laboratory at UND.

The Hill Professorship will be the second to be set up in the biochemistry department. Dr. George Miroff is the Lee Ann Hocking research professor in biochemistry, filling a position established under a grant from the American Cancer Society. He is working full time in research with mice on virus causes of cancer.

3 U Students Win Scholarships

Three UND students have been awarded National Foundation Health Scholarships for 1959. Each will receive \$500 for each year of college work a total of \$2,000.

Receiving the award are Donald Foss of Maddock, a Concordia College graduate now in his first year of medicine at UND; Bonnie Gay Johnson of Sheyenne, a freshman in occupational therapy; and JoAnn O. Kuhn of Minnewaukan, a junior in medical school work.

More than 4,600 students applied for the 515 grants awarded this year, the first time the award has been made.

John R. Armstrong, 1945, (M.D., Illinois, 1947) is practicing at the Western Montana Clinic, Missoula, Mont., where he is senior partner. Dr. Armstrong is married and has five children. His periodical, "CHRONIC NONTUBERCULOUS PSOAS ABSCESS DUE TO INTERNAL APENDICEAL STUMP FISTULA" was published in 1951.

Stephen Collins Bacheller, 1936, (M.D., Rush 1938) is practicing at Enderlin, N. D. Dr. Bacheller is married and has two children.

Loan Fund Works! 6 Due Back

(Continued from Page 1)

tice at Hatton and already has moved his family there. His home town is Velva.

Dr. Kenneth W. Kihle of Minot, who also received his M.D. from Kansas and is interning at St. John's, Fargo.

Dr. Eugene D. Tang of Cando, interning at St. Joseph's Hospital, Flint, Mich., after getting his M.D. at McGill University.

Dr. James Hoyme of Grand Forks, interning at Winston-Salem, N. C., City Hospital, after obtaining his M.D. at Bowman Gray.

Dr. Myron D. Peterson of Norwich, who got his M.D. at Northwestern University and is interning at Evanston, Ill., Hospital.

Dr. Henry J. Weyers of Ayr, interning at San Diego County Hospital in California, since getting his M.D. degree at Kansas.

The Medical Center Loan Fund has been in existence since July 1, 1957, and the UND medicine Class of '57 was the first able to take full advantage of its provisions.

Under provisions of the Loan Fund, School of Medicine graduates can borrow up

to \$4,000 over a two-year period. They may borrow an additional \$1,000 by obligating themselves to return to North Dakota to practice. Those elec-

ting to practice in towns of 3,000 or less can obtain forgiveness of the loan principal and interest at the rate of 20 per cent per year.

Rolla Gets U Grad

(Continued from Page 1)

"team" soon when Dr. Eylands is joined there by his friend of UND medical school days, Dr. Donald G. McIntyre, '57.

Dr. McIntyre plans to enter into partnership with Dr. Eylands as soon as his own internship is completed in California. McIntyre, a Churches Ferry native, received his M.D. at Pennsylvania University last June.

"A team of this type creates an ideal situation," said Dr. Harwood. "It can free either of the partners to attend important medical meetings, it provides for ready and valuable consultation, and it gives each doctor time to become better informed on different fields of medicine.

"A community with such a team is indeed fortunate for, practicing alone, a conscientious physician, often finds it difficult to leave the community for much needed post-graduate education, or even for a medical meeting."

UND Man to Give Paper in New York

Dr. Walter Bo, associate professor of anatomy at UND, has been invited to present a paper at a symposium on the cytochemistry and histochemistry of the female reproductive tract at the International Congress of Anatomists in New York in April. Bo has been working for a number of years on the cellular changes in the uterus of the rat. Last summer Bo attended a course at the University of Kansas School of Medicine, perfecting techniques in tissue study.

U.S. Gives U Its Biggest Research Grant

(Continued from Page 1)

ing as a team, made medical history last year by "tagging" the poliomyelitis virus by feeding it radioactive phosphorus. This technique, which permits scientists to study duplication of the virus in cells, was described in the Journal of Biochemistry and has been widely used at other laboratories since then.

Significance of the grant was stressed by Dr. T. H. Harwood, dean of the School of Medicine. "This research represents an attack on the basic metabolic processes of life, and the findings can be applied to cancer, leukemia, polio and other virus-caused diseases," he said. The new grant, he added, is a direct result of the proven accomplishment of the UND team in this research area.

Dr. Starcher called the grant "a symbol of respect for the research being done at

the University of North Dakota."

Dean Harwood pointed out that the grant enhances the reputation of UND since competition is keen for medical research grants. An inspection team of three medical specialists in virology and biochemistry visited UND before the grant was approved. The group examined facilities and questioned the UND research team about the proposed project.

The majority of the grant will be used for operational costs, including employment of two full-time research technicians, and for direct costs, such as laboratory materials, chemicals, glassware and supplies. The grant also gives \$13,072 to the University for indirect costs involving water, electricity, lights, gas, space and bookkeeping.

The grant provides no re-

muneration for UND research personnel except for \$300 per year which will be used for travel expenses involved in presenting reports of findings at national meetings.

All three of the UND scientists have a long record of research, having published a number of articles in scientific journals.

Dr. Cornatzer, whose main areas of research are liver disease and phospholipide metabolism, is director of the Ireland Laboratory at UND, a \$200,000 laboratory for cancer research.

Dr. Fischer, who has conducted research on tissue culture and viral diseases, will be in charge of the growth of the poliomyelitis virus and direct the tissue culture laboratory.

Dr. Miroff holds a research professorship established two years ago by the American Cancer Society as a memorial

Psychiatric Fellow Now In 2nd Year

Dr. A. F. Samuelson, '54, recipient of a North Dakota Medical Center Psychiatric fellowship, now is in the second year of his psychiatric training residency at the Veterans Administration Hospital, Topeka, Kansas.

Dr. Samuelson received his M.D. degree at Cincinnati in '56 and joined the Quain and Ramstad Clinic, Bismarck, after completing his internship in 1957.

He entered psychiatric training in August, 1957. After completing three years at Topeka, he will spend two more at the Jamestown State Hospital under terms of the fellowship.

The Psychiatric Fund has attracted some letters of inquiry but only two formal applications since its establishment.

Funds to train more psychiatrists, so definitely needed in North Dakota, are available. Hope is expressed that more interest will be shown in this program in the future.

News Notes

Arden Oris Anderson, 1952, (M.D., University of Washington, 1954) is practicing in Brainerd, Minn. Dr. Anderson is married and has two children.

William B. Armstrong, 1940, (M.D., McGill, 1943) is practicing in Fargo. Dr. Armstrong is married and has three children. He is a diplomat of the American Board of Pediatrics.

John F. Bacon, 1940, (M.D., Pennsylvania, 1942) is practicing radiologist at the McFarland Clinic, Ames, Iowa. Dr. Bacon is married and has three children.

84 Enroll for Fall Semester

Nursing Unit Becomes College

Eighty-four students enrolled this fall in the UND nursing program which opened the 1959-60 academic year with an expanded program and a new title—the College of Nursing.

Noting the growth and development of nursing education at UND over the past 10 years, the State Board of Higher Education in the spring of 1958 authorized the Medical Center Advisory Committee to proceed with plans for expansion and development of the nursing faculty and teaching program.

The approval was made on consideration of present and foreseeable needs and trends of nursing in North Dakota and the nation. Nationally, there are 268 nurses per 100,000 population; North Dakota has roughly half this number.

Dean of the College of Nursing is Margaret F. Heyse,

who assumed the directorship of the Division in January 1958. She has been in charge of developing a four-year program to be given entirely on the campus of the University.

Under the old program, students spent the first two years on the UND campus, the third at Deaconess Hospital, Grand Forks, attending formal nursing classes and working with patients, and the fourth at the University of Minnesota.

Some details of the changeover to the new program have yet to be carried out, such as in the areas of pediatrics and psychiatric nursing, Dean Heyse said. As soon as curriculum changes and faculty additions are completed in these areas, the affiliation with the University of Minnesota will be dropped, and hospitals and health facilities

of North Dakota will be utilized instead.

Plans for the curriculum call for the first two years to include the basic sciences, both natural (chemistry, microbiology, anatomy and physiology) and social (psychology, sociology, and history), English, humanities, nutrition and electives, with beginning nursing courses both in freshman and sophomore years.

In the junior year, students will concentrate on clinical nursing courses in medical-surgical nursing and maternal and child nursing, though taking one academic elective each semester.

In the senior year, courses will emphasize psychiatric nursing and public health nursing as well as additional work in medical-surgical nursing. An opportunity to learn leadership and the funda-

mentals of management will also be provided the seniors.

All teaching clinical instruction in the program will be the responsibility of the College of Nursing faculty. Students will have experience in medical-surgical nursing, maternal and child nursing, and senior nursing at the Grand Forks Deaconess Hospital.

Among the plans of the new College is inclusion of public health nursing in the curriculum. The faculty is exploring and developing facilities for psychiatric and public health nursing in North Dakota, Dean Heyse said.

The faculty for 1959-60 totals eight, an increase of two over last year, and is the largest in the history of the UND nursing program.

In addition to Dean Heyse, faculty members are Miss Ruth Burrage, associate professor; Miss Mary K. Boozer, assistant professor of medical-surgical nursing; Miss Hulda Edman, assistant professor of public health nursing; and four instructors, Mrs. LaVonne K. Russell, Mrs. Sally C. Nordlie, Mrs. Marion W. Knutson and Mrs. Nannette Van Deest.

Students are enthusiastic about the new developments, according to Dean Heyse. They are especially pleased with the opportunity of living in University residence units the entire four years of study, in contrast to the former arrangement of spending two years on the campus and two at the hospital nurses home. They feel that this gives them a closer tie with the University, broadening their contacts and making them feel more truly members of their University class, she said.

The College of Nursing is located at 3024 University Avenue, where headquarters were established in the summer of 1958, when the division moved from Merrifield Hall to an old residence converted into offices and classrooms.

The College of Nursing continues to be a part of the total University Medical Center operation.

Dr. Hertell Aids Hospital In Lima, Peru

Dr. Joseph A. Hertell, 1947 graduate of the UND School of Medicine, on invitation of the University of Lima Medical School, this fall set up equipment for analyzing plasma proteins in disease at the Peru institution.

Dr. Hertell has had success in the use of such equipment in diagnosis at Piedmont Hospital, Atlanta, where he is chief medical resident. Dr. Hertell lectured on plasma proteins during his stay in Lima.

He also met with the Peruvian Red Cross and with the surgeon general of the Peruvian air force. His host in Peru was Dr. Guillermo Eyzaquirre of the University of Lima.

Dr. Hertell's itinerary included side trips to Panama and Bolivia.

Frederick Nikolai Berken, 1913, (M.D., Rush, 1915) is practicing in Aberdeen, Wash.

23 Girls, Lone Man Capped at Ceremony

Capping ceremonies for 23 women and one man were held by the College of Nursing at the University of North Dakota.

Dennis Kroke of Dahlen was the second male student nurse to complete the University program. The first received his degree in 1957. He went through the regular ceremonies, but since male nurses do not use caps, he was not given a cap as the 23 women were.

Dean Margaret F. Heyse and Ruth Burrage, associate professor of nursing, presented the caps. This was the first class of student nurses to be capped at the University since the former Division of Nursing was reorganized this fall as the College of Nursing.

Nurses who completed two year's schooling at UND and who were capped, are: Cora Abeld, Euclid, Minn.; Vivian Anderson, Stephen, Minn.; Paula Bagan, Jamestown; Sandra Bartholomaeus, Leonard; Evelyn Bring, Galesburg;

Evelyn Chase, Wilmington, Ill.; Sheila English, Fargo; Jean Erickson, Petersburg; Florence Fisher, Dickinson; Phyllis Garras, Grenora; Marilyn Gorter, Eldred, Minn.

Dianne Grimestad, Carlson; Karen Halling, Bisbee; Dennis Kroke, Dahlen; Marileen Larson, Grenora; Arlyss Loken, Tower City; Carol Lovegren, Grand Forks; Barbara Midkiff, Springfield, S. D.; Marcia Olson, Fergus Falls, Minn.; Nora Jane Oslund, Mayville; Shirley Pyan, Lostwood; Gail Waldon, Moorhead, Minn.; Glenda Weigum, Golden Valley and Mary Will, Stanley.

Archie H. Baggenstoss, 1931, (M.D., Cincinnati, 1934) is head of Section of Pathologic Anatomy at the Mayo Clinic, Rochester, Minn. Dr. Baggenstoss has had 155 articles published in leading medical journals, chiefly on the subjects of liver, pancreas, and intestinal tract. He is married and has three children.

Nine Join Staff of Medical Center

New faculty members assuming duties this fall in University of North Dakota School of Medicine and other Medical Center units total nine.

Clayton E. Jensen, a native of Stanley who finished the UND medicine course in 1956 and who graduated with honors from Bowman Gray School of Medicine in North Carolina in 1958, returns as assistant professor of pharmacology.

Jensen, who completed his training in the U. S. Public Health Hospital in Baltimore, will do teaching and research in pharmacology, and also will act as one of the physicians in the Student Health Service on the campus.

Walter R. Miller joins the staff as instructor in anatomy. He received his B.S. and M.S. in anatomy from the University of Pittsburgh and has been working toward a Ph.D. on a teaching fellowship.

Miltza Luper, formerly on the medical school staff for a number of years, returns from a research program of a Grand Forks clinic to become instructor of biochemistry. She received her B. S. from Minnesota and her M.S. from UND.

Three new members joined the College of Nursing, which this fall was elevated in status from a division.

Hulda Edman is a new assistant professor of nursing, coming from the University of Minnesota's Division of Nursing. Mrs. Nannette Van Deest, new instructor in nursing, comes from the staff of Jamestown Hospital. Marion V.

Dr. Berger Joins Minnesota U Staff

Dr. Phil R. Berger, 1944 School of Medicine graduate, has accepted a position on the diagnostic X-ray faculty of the University of Minnesota School of Medicine.

Dr. Berger had been on the staff of the Grand Forks Clinic before leaving for Minneapolis.

He received his M.D. degree from the Bowman Gray School of Medicine in 1945. He is married and has three children.

Knutson, instructor in nursing, has been teaching at the Deaconess Hospital School for Nurses in Grand Forks. They are graduates of Minnesota U, Jamestown College and UND, respectively.

Two new staff occupational therapists in medical rehabilitation here are Dell

Beauchine, B.S. from Minnesota U; and Ruth M. Peterson, A.B. from Mayville State Teachers College. Beauchine has been on the staff of St. Ansgar Hospital, Moorhead. Miss Peterson has the certificate in occupational therapy from the College of Puget Sound.

Anna Kay Rodewald assumes a new staff position as therapist in the medical rehabilitation unit. She has a B.S. in physical therapy from Minnesota U and has been therapist on the staffs of St. Joseph's Hospital in Brainerd and Miller Hospital in St. Paul.

3 Books by U Grads Received

Three books by UND School of Medicine alumni have been received for inclusion in the Harley E. French Medical Library.

A recently published "Manual of Differential Diagnosis" was written by Dr. William C. Matousek, '46. Published by the Year Book Publishers of Chicago, the volume is a

desk reference for general practitioners designed to provide an on-the-spot check of diagnostic problems. Dr. Matousek is chief of medical services at the Miles City, Mont., Veterans Administration Hospital.

The other two books were co-authored by Dr. Lindon Seed, a 1918 UND medical

graduate now clinical associate professor of surgery at the University of Illinois. Collaborating with him was Dr. Theodore Field of the Hines Veterans Administration Hospital, Chicago. The books are "Treatment of Toxic Goiter with Radioactive Iodine" and "Clinical Use of Radioisotopes."

News Notes

Larry D. Baker, 1951, M.D., Vanderbilt 1953) is practicing in Gastonia, N. C. Dr. Baker is married and has two children.

George A. Bakke, 1931, (M.D., Northwestern 1934) is practicing in Oakland, Calif. Dr. Bakke is married and has two children.

Charles Keith Barnes, 1933, (M.D., Chicago, 1937) is practicing in Fort Worth, Texas. He is married and has one daughter.

Clarence Virgil Bateman, 1922, (M.D., 1925, Northwestern) is practicing in Wahpeton, N. D. Dr. Bateman is married and has two daughters.

Elmer J. Beiton, 1921, (M.D., Iowa, 1922) is in Wahpeton, N. D. Dr. Beiton is married and has three children.

David Frank Benson, 1951, (M.D., Northwestern, 1953) is practicing in Eugene, Oregon. Dr. Benson received the Weir Mitchell Award in 1958, and in 1958, his article entitled "Conservative vs. Surgical Treatment of Cerebral Aneurysms" was published. Another article, "Clinical Pathologic Conference," was published in 1958 and written by Dr. Benson, Dr. Finley and Dr. Ushiro. Dr. Benson is married and has three children.

'18 Medic Graduate Given 'Outstanding Service' Award

A UND School of Medicine graduate has been singled out for "outstanding service" by the American Congress of Physical Medicine and Rehabilitation.

Dr. Fred B. Moor of Los Angeles, native of Lidgerwood, was awarded a gold key by the Congress. He received his M.D. from Harvard in 1920 after finishing here in 1918. He now serves as professor of physical medicine and rehabilitation, at the College of Medical Evangelists, Los Angeles.

In a letter to Dean T. H. Harwood, Dr. Moor lauded the inclusion of the rehabilitation program in the North Dakota Medical Center, as emphasizing an important facet in the modern program of medical care.

'56 U Graduate Gets Fellowship

Dr. Wolfgang Oppelt, '56, has been awarded a two-year fellowship for study at the National Institutes of Health, Bethesda, Md.

Dr. Oppelt received his M.D. from Harvard in 1958 and interned at Peter Bent Brigham Hospital, one of the Harvard Medical School's teaching hospitals in Boston.

While at Harvard, he was elected to Alpha Omega Alpha, national honorary medical fraternity. His home is Grand Forks.

Richard N. Barr, 1955, (M.D., Kansas, 1957) is a captain in the Medical Corps, U. S. Army. Dr. Barr is married and has one son. Starting July, 1961, he will begin residency in ophthalmology.

Wins Fellowship

Dr. John A. (Jack) Linfoot, '55, has been awarded a post-doctoral fellowship by the National Cancer Institute. He will study the effect of hormonal compounds in the treatment of advanced breast cancer at the University of Utah Hospital, where he has been interning. He received his M.D. degree from Harvard Medical School, after having earned a master's degree in physiology at UND. His home is Grand Forks.



IN THE PICTURE AT THE LEFT, two medical technology students get blood serum instructions from Gordon Bennett, technologist at the Medical Center-State Health Department blood bank at UND. The girls are Sharon Miller, Grand Forks (left, and Virginia Katsuki (right). At the right, Bennett prepares Mrs. A. J. Utecht for the simple, half-hour process of taking a pint of blood.—(Grand Forks Herald Photos)

Blood Bank Provides Vital Needs

Supported by Medical Center funds, the State Health Department Blood Bank at the University of North Dakota has proved that it is providing services vitally needed by citizens of the state.

Since its establishment eight years ago, the blood bank has:

(1) **Furnished blood for transfusions at one time or another (on request) to 37 hospitals in 31 communities in the state.**

(2) **Saved state residents a great deal of money by furnishing approximately 2,000 pints of blood while they have been hospitalized outside the state (the exact monetary figure cannot be computed, because all hospitals do not charge the same).**

(3) **Shipped 828 units of blood to the State Tuberculosis Sanatorium for use on patients undergoing surgery.**

(4) **Through the use of plasma prepared and furnished by the blood bank, saved patients approximate-**

ly \$91,700 (based on commercial value).

(5) Received 14,124 blood specimens for Rh antibody titres from the entire state, a service not available in North Dakota before establishment of the Bank.

In addition to these services and providing a central blood facility for civil defense needs, the blood bank plays an important role in the training program of medical technicians at the University.

They are required to spend at least four weeks engaged in learning techniques of handling and processing blood.

In case of disaster, the blood bank is equipped to set up an emergency blood bank within six hours after arrival at any place in the state.

The blood bank has 30,000 persons in this area "typed" and another 20,000 in various parts of the state. These records of individual blood types have accumulated through blood donor clubs,

donor clinics and "walking blood bank" members.

Blood donor clubs are a method of transfusion protection for donors and their families, and they also are very important in that they provide the bank with working "capital."

Just as a money bank credits its depositors, so does a blood bank credit donors. "The program is essentially a form of insurance, and is not covered by an existing health plan," Melvin E. Koons, the blood bank director, said.

Business groups, unions, industrial concerns, churches, fraternal orders and similar groups can organize a donor club and deposit blood at the bank to cover all transfusions which are anticipated for its members and their families.

The "walking blood bank" program usually functions best in rural areas, for emergency purposes, Koons said.

Through this system, mem-

bers of a community have their blood types established and are issued cards which could save valuable time in the event of an emergency in which blood would be needed.

Blood donor clinics are also held through sponsorship of various communities and are designed to provide a supply of blood plasma for emergencies. Personnel from the blood bank are in charge of the donor clinics and the bank furnishes all necessary supplies.

Koons, an associate professor of public health and preventive medicine at UND, receives no extra pay for directing the blood bank. He figures that four pints of blood must be taken in for every three pints given out to maintain an adequate volume in the bank.

Further information about the various blood programs can be obtained by contacting the blood bank at the University.