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University of North Dakota Alumni Association

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Blood Bank Program Shows Progress

Med Center Holds Refresher Courses

Two refresher courses in Blood Bank techniques were held during February at the State Medical Center, according to Melvin E. Koons, director of the State Blood Bank.

The courses were designed to acquaint the student with the best methods of a blood bank, and to bring about a standardization of techniques and equipment as used throughout the state.

The refresher course in the principles and practices of Blood Bank methods included (1) Operation of a blood bank, according to National Institutes of Health standards (2) History taking and care of donor (3) Blood collecting technique, (4) Blood grouping, slide and tube methods (5) Rh factor determination, slide and tube methods (6) Detection of Rh antibodies (7) Rh antibody titration, and (8) Serological methods.

These courses were held at the Medical Center-State Health Department Blood Bank on the University of North Dakota campus.

Leeds Gains Honor With Blood Bank

The first "walking blood bank" was established May 3, 1951 at Leeds, North Dakota, and was sponsored by the American Legion Auxiliary.

Under this plan, all adults are typed and educated to the life-saving importance of blood donations. Each person who registers will be blood grouped, and Rh typed. A card, with a record of this information is issued to him, while hospitals in the area maintain a master list of potential donors.

Medical Center Advisory Council



INTERRUPTING THEIR JANUARY CONFERENCE are these members of the North Dakota State Medical Center Advisory Council. Seated (l to r) Dr. W. F. Potter, W. W. Murrey, Dr. A. F. Arnason, and Dr. L. W. Larson. Standing (l to r) Judge R. H. Sherman, President John C. West, and Gene Bakke.

SECOND ISSUE

This is the second issue of the Medical Center Review, and features the North Dakota Medical Center-State Health Department Blood Bank activity. This issue is being mailed to all health personnel, Doctors and UND Alumni in North Dakota. Two more editions of the Medical Center Review are planned during 1952, with the objective of reporting on the progress of the Medical Center.

... "the health of the people is really the foundation upon which their happiness and all their powers as a state depend" . . . (Disraeli, 1796)

North Dakota Benefits by Expansion

One of the most vital functions of the Medical Center is the progress of the North Dakota Blood Bank program, which is being directed by the State Health Department and the Medical Center.

The operation of a State Blood Bank began April 2, 1951, under the direction of Melvin E. Koons, Director of the State Health Department Laboratories, at the University.

The primary objective was to give direct service to the residents of North Dakota, and the progress of the first year has built a firm foundation for future expansion of the program.

With civil defense of vital importance in this unsettled world, North Dakota has taken a great stride for the protection of its people with the Blood Bank. Major responsibility for national coordinating of donor recruitment, blood procurement, storage, processing and preparation for shipment is lodged with the State Blood Bank in North Dakota, whereas many other states rely on the American National Red Cross.

The operation of the North Dakota Blood Bank is a reactivation of the State Plasma Program, but with greatly extended facilities in the field of whole blood.

The Medical Center serves as headquarters for the Blood Bank, whose services extend over the entire state of North Dakota, with the primary purpose of distributing plasma to all hospitals in the state.

The objectives of the State Blood Bank includes:

(Continued on Page Three)

BEGAN OPERATIONS

The North Dakota Blood Bank began operations on April 2, 1951, in cooperation with the State Health Department.

FREE PLASMA

Free blood plasma is now being furnished free of charge to any North Dakotan who requires it.

FREE SERVICE

During 1951, a total of 43 Blood specimens were referred to the State Blood Bank for special study, since the inauguration of the service in August of 1951. This service is offered without charge to any physician in North Dakota.

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Walking Blood Banks Serve ND Communities

In rural areas throughout North Dakota, the "walking blood bank" is proving a very vital function, with adults typed and educated to the life-saving importance of blood donations.

Each person is registered as to blood group and Rh type, and a card with a record of this information is issued to him. In addition, all hospitals in the area have a master list of potential donors, and can call upon one or more as necessity requires.

The establishment of a "Walking Blood Bank" is a community effort to have blood available for emergency transfusions, a group of possible donors already classified as to blood group and Rh type.

The value is apparent in eliminating the last minute hectic search for a donor of proper type in cases of emergency transfusions.

SCHEDULE SYMPOSIUM

A cancer symposium will be held in April at Williston, Minot, Grand Forks and Devils Lake, according to Dr. C. M. Lund, Cancer Society Chairman. Two speakers from Rochester will make appearances at these symposiums.

State Blood Bank Works 13 Clinics With Minneapolis Unit Held In 1951

Plasma Program Initiated In March, 1944

In March of 1944, the North Dakota State Legislature appropriated funds to set up and finance a free blood plasma service conducted by the State Health Department, in cooperation with the University of North Dakota.

The program included the procurement of blood from volunteer donors, the processing of plasma to a dried state, and the distribution of the final product. Plasma was furnished free of charge, and placed in all hospitals and in the offices of many private physicians.

At the conclusion of World War II, large supplies of dried plasma were declared surplus to the needs of the Armed Forces, and the American Red Cross distributed this surplus plasma to the people of the state through the State Health Department. With this surplus of plasma, there was no necessity to continue the processing of plasma, and activities were discontinued until 1950.

At that time, the surplus plasma supply was exhausted, and the State Plasma Program was reactivated, with headquarters at the Medical Center at the University. The new program is under the joint sponsorship of the Medical Center and the State Health Department.

SPECIAL TECHNICIANS

Four technicians, each specially trained for the technical work in the typing and study of blood, have been given special training at the State Blood Bank. Refresher courses are also being offered to technicians now employed in hospitals and medical clinics.

47 YEARS OLD

The School of Medicine at the University of North Dakota was founded in 1905 by Dean M. A. Brannon.

Through an arrangement made with the War Memorial Blood Bank in Minneapolis, credit has been established by the North Dakota State Blood Bank, so that whole blood can be used by patients referred from any place in the state to Minneapolis for specialized surgery.

Under the present plan, a North Dakota physician can write to the Medical Center State Blood Bank and state that he has a patient going to Minneapolis for surgery on a specified date, indicating the whole blood requirements.

The State Blood Bank then notifies the surgeon, the hospital and the War Memorial Blood Bank in Minneapolis that the patient can draw blood from the bank in Minneapolis, and arrangements are made with the local physician. The donors who furnish the blood can come to Grand Forks to donate, and blood can be collected locally, and shipped to the Blood Bank; or, if the community has credit already established in the bank, the necessary amount can be deducted from their account.

At this writing, the State Blood Bank has been able to give this service to 13 patients, and represents a direct service to the residents of North Dakota. In the past, volunteer donors had to go to Minneapolis, or the patient had to pay for the blood transfusions received.

SPECIAL NOTICE TO ALL COMMUNITIES

**Special Notice to all
Communities, Hospitals,
Groups and Individuals**

Details and further information about the State Blood Bank can be obtained by writing to:

Medical Center-State
Health Dept. Blood Bank
Drawer E. University
Station
Grand Forks, N. Dak.

During 1951, the State Blood Bank "typed" 6,009 North Dakota residents as to blood type and group.

Starting in June of 1951, thirteen Volunteer Blood Donor Clinics were held in North Dakota towns, with a total of 712 registrants.

Communities in which the clinics were held include Rugby, Jamestown, Harvey, Mayville, Bowman, McVie, Devils Lake, Bottineau, Cando, Lakota, Langdon, Park River and Carrington.

Last year, a total of 1,423 persons reported for blood donations at the Central Blood Bank and the Donor Clinics. This total represents 718 registrants at the Volunteer Clinics, with 705 contributors to the State Blood Bank.

Bank Seeks Plasma Pool Here

As the State Blood Bank looks forward to greater achievements during 1952, one of the prime objectives is to build up greater plasma reserves and the further establishment of plasma depots.

This can be accomplished through the holding of more volunteer clinics, and by securing "out-dated" whole blood from hospitals.

The State Blood Bank also is seeking an expansion of the Whole Blood Service through replacement service, blood group insurance programs and prenatal clubs.

10,000 BOOKS!

The Harley E. French Library in the Medical Center has more than 10,000 medical volumes on hand, and this total is being constantly increased. The French Library will serve as a research and lending library for North Dakota doctors, and for the use of the students in the UND School of Medicine.

Medical Center Offers 'Refresher'



IT'S REFRESHING! pictured here are a group of medical personnel, attending a "refresher course" on Neurology at the North Dakota Medical Center. (Left to right) Dr. T. Q. Benson, Grand Forks; Dean H. E. French, Dean Emeritus, UND Medical School; Mr. Harold Brody, Assistant professor of anatomy, UND Medical School; Dr. Carl Calman, Assistant professor of Physiology, UND Medical School; and Dr. C. J. Hamre, Head of the Department of Anatomy and director of the refresher courses.

4 UND Students Get Acceptance to Med Schools

Fourteen two-year University medical students have been accepted by other medical schools to complete their training, according to Dean W. Potter.

Accepted by Northwestern University are Marlin Krenz, Warren Jansen, Robert Jordheim and Gerald Kavanaugh; Harvard, John Lunseth, James Morton and William Byrne.

Loyola, James O'Toole; University of Washington, Arden Anderson; University of Illinois, Francis Schammel, R. Warren Pierson, Barton K. Stemmons, Roger W. Sorenson, and Creighton university, Gerald Rutten.

Blood Bank Serves N. D. Hospitals

During 1951, the State Blood Bank furnished whole blood to North Dakota hospitals in Grafton, Devils Lake, McVie, Jamestown, Grand Forks, and in Minneapolis and Rochester, Minnesota. The whole blood was shipped in iced cases, and experience gained from this limited service will provide for greater expansion.

State Blood Bank To Set Up Standards Guide

One of the primary features of the North Dakota Blood Bank is the setting up of certain standards of operation, so that the methods and procedures will be uniform throughout the state.

The State Blood Bank will be of sufficient size so that it can require adherence to rules and regulations set up for the protection of the public.

Progress . . .

(Continued from Page One)

(1) Irradiated Normal Human Dried Plasma

This is furnished free of charge to any North Dakotan who needs it and to build up reserve supplies of plasma for emergency purposes. Blood to be processed into plasma is obtained through volunteer blood donor clinics held throughout the state.

(2) Whole Blood

The goal of the State Blood Bank is to eventually supply whole blood to all state hospitals, through a system of replacement and through blood donor clubs.

(3) Walking Blood Banks

This service is now available in many parts of North Dakota, where individuals are "typed" for blood group and Rh type, and become "walking blood banks" for emergency transfusions.

(4) Laboratory Personnel Training

This phase of the program calls for the training of qualified personnel in techniques and procedures, with refresher courses scheduled in the future. These courses would be offered at the Medical Center.

(5) Civil Defense Needs

Under the Blood Bank projected program, centers for storage of supplies would be established, for the procuring and typing of blood in case of disaster. The planning also calls for a mobile unit, complete with supplies and equipment, to set up blood procurement centers throughout the state.

(6) Blood Insurance Programs

Donor group insurance, through the establishment of blood donor clubs, and prenatal clubs, for transfusion insurance during pregnancy are two of the the plans under this phase of the program.

(7) Central Register

The Medical Center is establishing a central register of blood group and Rh type of people from all over North Dakota.

(8) Consultation Service

The Blood Bank is equipped to examine referred blood specimens for special studies of problems involving hereditary antigens in blood, M and N factors, Rh, Hr and other hereditary blood antigens.

These are the primary objectives of the State Blood Bank, which is proving a very valuable asset to North Dakota, and is giving much needed services to everyone. The citizens of North Dakota can be indeed proud of the progress made by the State Blood Bank.

CONSTRUCTION SLATED

According to present plans, construction on expansion of the State Medical Center is slated for 1952, with an additional building, equal in size to the present structure.

Offer Donor Clubs to Communities

An opportunity to establish "blood insurance programs" is being offered to all North Dakota communities in creating Blood Donor Clubs and Prenatal Clubs.

Any group . . . fraternal organizations, civic clubs, commercial clubs, churches, unions and other similar groups . . . will be offered the opportunity to establish a "blood insurance" club.

Full information on creating a club of this nature can be secured by writing to the State Blood Bank, Medical Center, Grand Forks, N. D.

School Offers Refresher in Neurology

Refresher Courses in Neurology have been offered during January and February by the Department of Anatomy of the University of North Dakota School of Medicine.

These courses have been held each week, starting January 8, in the Medical School Building, and are conducted by Dr. Christopher J. Hamre, head of the Department of Anatomy. Other members of the Medical Center have assisted Dr. Hamre in presenting these refresher courses.

The courses include both discussion and demonstration, and have been offered to all North Dakota doctors. A total of six meetings were scheduled.

THANK YOU!

Much of the information contained in this special Medical Center Review was obtained from the North Dakota Health News, published quarterly by the North Dakota State Department of Health under the editorship of Bernadine Cervinski.

Blood Chief



MELVIN E. KOONS
Blood Bank Director

6,009 Persons "Typed" During 1951

In the activities report of the State Blood Bank covering the period from April to December 31, 1951, the report indicates that a total of 6,009 persons were typed at the Blood Typing Clinics, with visits to 31 cities and 27 counties.

Blood Typing Clinics were held in Leeds, Stanley, Williston, Watford City, Crosby, Harvey, Mayville, Halliday, Killdeer, Dickinson, Beach, Belfield, Richardson, New England, Mott, Hettinger, Bowman, Amidon, McVillage, Edmore, Maddock, Minnewaukan, Devils Lake, Bottineau, Cando, Lakota, Oakes, LaMoure, Langdon, Park River and Bowdon.

In an analysis of the figures and results compiled at these Blood Typing Clinics, it is shown that 44.9 percent of all persons typed were in Group A, and 40.9 percent were in Group O. A complete register of all persons typed is kept on file in the Central Blood Bank.

RESEARCH GRANTS

A total of \$180,336 has been awarded for research grants in the North Dakota School of Medicine at the University of North Dakota.

Council Adopts 8 Resolutions

The first meeting of 1952 of the North Dakota State Medical Center Advisory Council was held on January 22 in the new UND Science Building, with thirteen members and guests in attendance.

Members of the Council at the session included W. W. Murrey, Fargo; Dr. L. W. Larson, Bismarck; R. H. Sherman, Bismarck; Gene Bakke, Grand Forks (representing N. W. Hodgson); Mel Koons, Grand Forks (representing Dr. R. O. Saxvik); Dr. A. F. Arnason, Bismarck, (representing Dr. A. D. McCannel) and Dr. W. F. Potter, Grand Forks.

The Council adopted the following resolutions:

BE IT RESOLVED that when problems arise in which the nurses, dentists, or other groups are interested, that these problems be placed on the agenda for discussion and that representatives of the group concerned be invited to meet with the council as consultants.

BE IT RESOLVED that attention of the Board of Higher Education be respectfully called to the provision that a maximum of forty students be selected for admission to the freshman class of the School of Medicine in the fall of 1952.

BE IT RESOLVED that the personnel of the School of Medicine be authorized to proceed, as soon as possible, and expedite estimates for equipment for the new building in view of the urgent need for the additional facilities and in order to insure delivery of these materials at the proper time.

BE IT RESOLVED that the sum of \$2500 be granted to the North Dakota State Dental Association for the period from July 1, 1952 to December 31, 1952, to be used in conducting clinics in various sections of the state.

BE IT RESOLVED that appreciation be expressed to the following deans for their survey made in August of 1951

regarding the possibilities of expanding the School of Medicine at the University of North Dakota; and that the secretary be instructed to write the deans to express the appreciation for the fine work accomplished on behalf of the University of North Dakota School of Medicine: Dr. Robert C. Lewis, School of Medicine, University of Colorado; Dr. Harold C. Lueth, Dean, School of Medicine, University of Nebraska; Dr. John W. Scott, Dean, School of Medicine, University of Alberta, Edmonton; Dr. Theodore H. Harwood, Assistant Dean, School of Medicine, University of Vermont.

BE IT RESOLVED that the Medical Center Advisory Council commend the State Board of Higher Education and the University Administration for the growth and fine progress evidenced in the School of Medicine for the past four years; WHEREAS, the School of Medicine gained its accreditation,

AND WHEREAS, this accreditation has been due not only to the efforts of the University Administration but to the sympathetic cooperation of the Board of Higher Education

NOW, THEREFORE, BE IT ALSO RESOLVED that the Medical Center Advisory Council respectfully requests that the Board of Higher Education continue to provide sufficient funds for the School of Medicine in order to maintain its standing as an accredited school.

BE IT RESOLVED that the Secretary of the Medical Center Advisory Council write an appropriate letter of sympathy to Mrs. John A. Page stating that Mr. Page's great work on behalf of the Medical Center will never be forgotten and expressing the appreciation of the Council members with whom he worked for his understanding, leadership and loyal service to the Medical Center.