

THE MINNESOTAN

The University Staff Magazine - October 1965

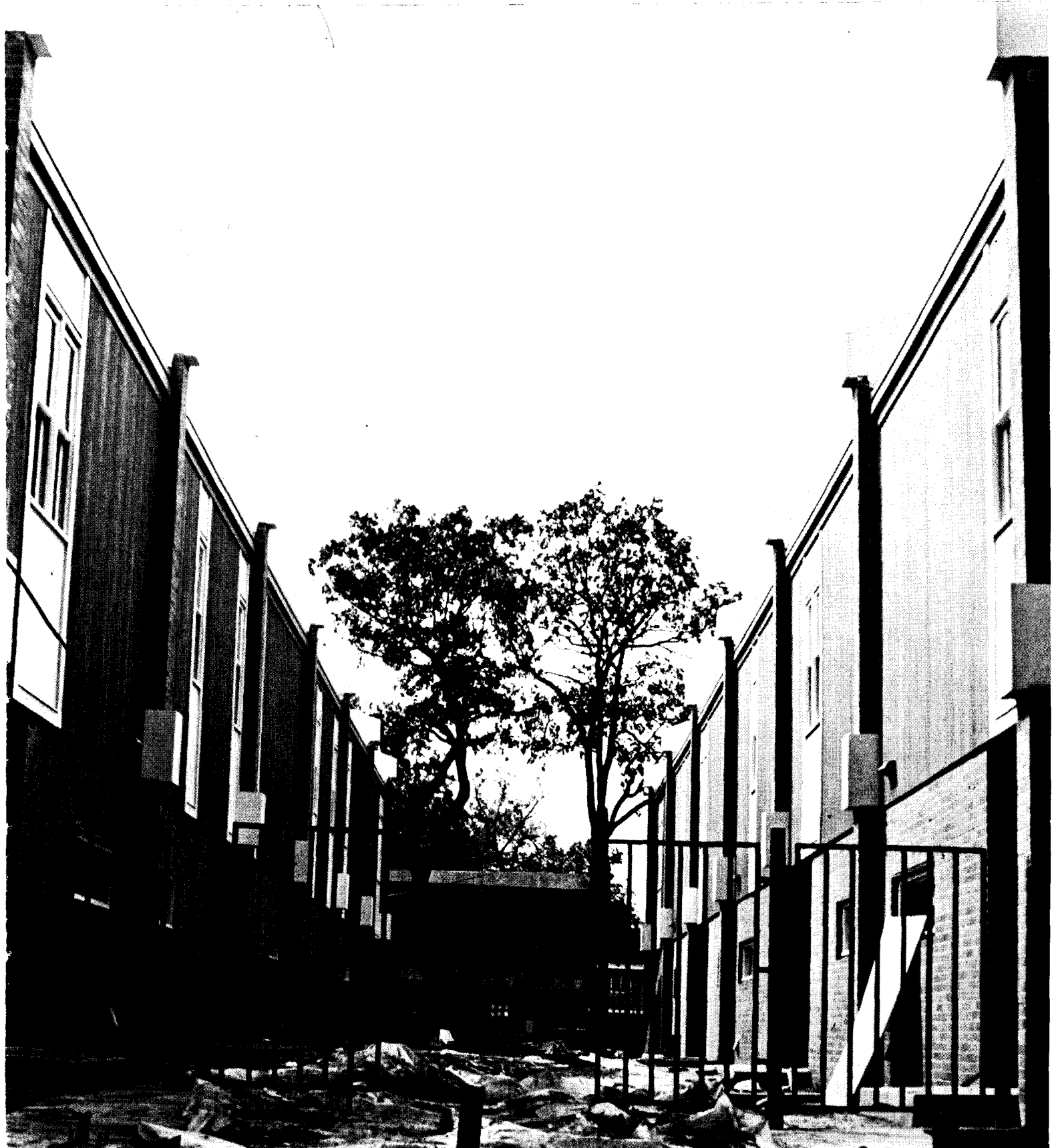




photo by Alan Ominsky

The President's Page

As the new academic year begins, it is heartening to be able to report that this summer the problems of education received special attention in a number of special events at the national, state, and local levels.

At the national level, the White House Conference on Education, the first since 1955, brought together educators from all parts of the country for discussion. It became both a sign of, and a stimulus to, the increasing interest, in Washington and throughout the United States, in the general problems of education. Some of these problems are under active, continuing study at the University of Minnesota: the training of good career teachers, the challenge of international education, the problem of the special— whether gifted or handicapped— student, the necessity of educational experimentation and innovation, the problem of federal-state partnership in education.

At the state level, the creation of the new Minnesota Liaison and Facilities Commission was an important step toward the solution of the problem of state-wide coordination of educational efforts—a problem of considerable national concern. The new Commission, successor to both the Liaison Committee on Higher Education and the Higher Education Facilities Commission, is not in strict legal contin-

uity with them but is their clear successor in function and meaning.

What has not been adequately noted is how far Minnesota advanced in this direction through entirely voluntary, individual action by the institutions and boards of education in the state. And the new Commission, with a generously larger appropriation, a partial membership of citizens not associated formally with Minnesota education, and a full-time director, has good prospects for meaningful study of educational endeavors throughout the state.

At the local level, the Board of Regents, acting on July 9, a few weeks before the White House Conference, took a step toward the solution of a key problem discussed there—the problem of educational experimentation and innovation. The Board approved the establishment of a new Center for Curriculum Study. To be located administratively in the College of Education, the Center will stimulate research, promote fruitful contact between teachers and scientists, and coordinate the efforts of other University projects in the area of curriculum study. In part the Center will try to relate such existing efforts as Project English, Project Social Studies, and Minnemath; in part it will formalize and encourage the increasing interest of many teachers in the important question of what we teach.

Each of these three events seems to me to reflect the increasing self-awareness and inter-awareness of American education and the increasing recognition of public responsibility to education. I am sure that you will meet the increased challenges presented by such attention.

Meredith Wilson

On the cover . . .

is one of the four mews of Pillsbury Court, the University's new faculty housing development located near the Minneapolis campus. This photograph was taken in early September when work on the buildings was nearly finished. See story on opposite page.

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Faculty Housing Complex Completed

Pillsbury Court, the University's new faculty housing complex, became fully occupied this month. The \$864,000 development provides faculty members with an attractive, convenient place to settle while looking for more permanent housing.

The eight six-unit buildings are located on the block bordered by 5th and 6th Avenues, 10th and 11th Streets, S.E.

Available to full-time faculty members with the rank of instructor or above, each apartment has three floors of living space. Basements are divided into a utility room and a study or recreation room. First floors include a living room, dining room, and kitchen. Second floors have two bedrooms and a bath.

Tenants have off-street parking, and each unit has an enclosed patio which is entered through a sliding glass door opening into the living room. Apartments are furnished with an all-electric kitchen, including stove, refrigerator, and garbage disposal. Each apartment also has individually controlled central heating and air conditioning.

Length of occupancy in the new units is restricted. The buildings are primarily intended to provide temporary housing for new faculty members, who are allowed two years of residence, with consideration for a third year if

space is available. Other faculty members are allowed one year of residence with a similar possibility of a one-year extension.

The apartments rent for \$130 per month, including stove, refrigerator, and city water. All other furnishings and utilities must be supplied by tenants.

Vice-President Laurence R. Lunden, Business Administration, has suggested that the buildings are an "added inducement" which will help the University recruit new staff members.

The new buildings are located on the former site of the Governor John Sargent Pillsbury mansion, which was constructed in 1879, and razed in 1964 to make space for Pillsbury Court.

From 1911 to 1945, the Pillsbury mansion was leased by the University for \$1 per year as a home for University presidents. In 1945, the Pillsbury family formally deeded the property to the University.

Several stone slabs and a sundial from the Pillsbury mansion have been utilized in construction of Pillsbury Court. The stone slabs have been made into benches and placed in the courtyard.

At an open house on September 23, President O. Meredith Wilson officially accepted the keys to the buildings from

the architects, Setter, Leach, and Lindstrom, Inc. He then presented them to University administrative officials: Vice-President Laurence R. Lunden, Business Administration; Assistant Vice-President Clinton T. Johnson, Business Administration; Mr. C. Laverne Carlson, Director of University Services; and Mr. Don L. Finlayson, Director of University Housing.

Several hundred guests from the neighborhood, from the city of Minneapolis and its governmental units, and from the University staff attended the open house.

The Memorial Plaza in the courtyard was dedicated to the seven University presidents who lived in the Pillsbury mansion: George Edgar Vincent, Marion LeRoy Burton, Lotus Delta Coffman, Guy Stanton Ford, Walter Castella Coffey, James Lewis Morrill, and O. Meredith Wilson.

Each of four mews, narrow passageways between buildings, has been named for one of the children of the late Governor Pillsbury. They are Addie Pillsbury Webster, Susan Pillsbury Snyder, Sarah Pillsbury Gale, and Alfred Fisk Pillsbury.

Two New Regents Bring Experience In Business Management, Agriculture

Two new University Regents were elected by the State Legislature last spring. Mr. George W. Rauenhorst of Olivia was elected to a four-year term replacing Regent I. A. Johnson of Benson who did not seek re-election. Mr. Albert V. Hartl of Fergus Falls was elected to a six-year term succeeding Regent Gerald W. Heaney of Duluth who had been appointed to fill out the term of Regent A. J. Olson of Renville.

Both Regent Heaney and Regent Johnson were awarded the Regents Cer-

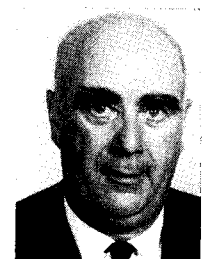
tificate of Merit in appreciation of their service with the Board.

Regent Hartl is President of the Otter Tail Power Co. in Fergus Falls, a firm he has been associated with since World War II. A graduate of the University of North Dakota, he is the father of six children.

Regent Hartl is active in civic and community organizations. He is a member of the American Management Association and frequently speaks on business management.



Regent Hartl



Regent Rauenhorst

Regent Rauenhorst operates a farm near Olivia and manages the Trojan Seed Co., a firm which he founded. He is interested in innovations in agriculture and has designed buildings to dry farm products and protect animals.

Regent Rauenhorst has nine children. A daughter, Ann, is a graduate in dental hygiene from the University. A son, Tom, enrolled as a freshman this fall.

Federal Grants Support Research In Space and Nuclear Science

Grants and contracts from the National Aeronautics and Space Administration (NASA), the Atomic Energy Commission (AEC) and other branches of the federal government currently are supporting University of Minnesota projects in space and nuclear science. These funds, totaling over \$13 million, provide University professors and students with advanced equipment and enable the University to contribute to American scientific programs.

Minnesota's participation in space and nuclear science projects has been increased recently by NASA's announcement of a grant which will finance a \$2.5 million Space Science Center, and AEC's continued support for a \$3.75 million tandem Van de Graaff generator.

The grant for the new six-story Space Science Center is part of almost \$1 million in grants from NASA and the National Science Foundation (NSF) for facilities to encourage space science and technology at the University. The building's 83,000 square feet of research area will be used in control and computer technology, biological sciences, physics, and astronomy.

The Center will contain a \$100,000 computer facility which is sponsored by the NSF. The computers will be used in problems in chemical and physical separation of matter.

Headed by Professor Warren B. Cheston, Associate Chairman of the School of Physics and Astronomy, the Space Science Center will encourage cooperation between the University and the business and industrial community of Minnesota. When the grant was made, Vice President Hubert H. Humphrey said that the new center will "provide the University with unequalled potential for participation in [national] science programs."

The Atomic Energy Commission, which completed construction in 1955

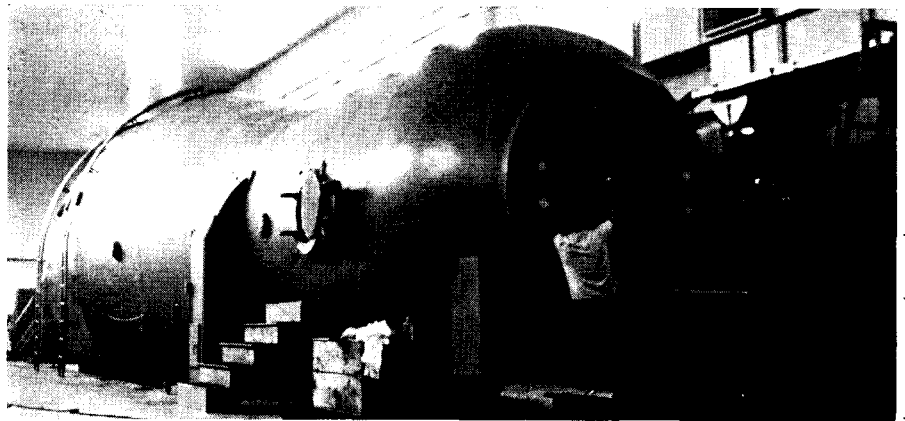


photo by Alan Ominsky

Technicians work on installation of the \$3.75 million tandem Van de Graaff generator, the University's third "atom smasher." It is designed to accelerate particles with a static charge of ten million volts.

of a \$1.8 million straight line atom smasher on the river flats near the Cedar Ave. bridge, is currently supporting installation of a \$3.75 million tandem Van de Graaff generator nearby.

Directed by Professor John H. Williams, the new generator will be able to accelerate a number of ions to higher energies than could previous models.

An ion, Professor Williams explains, is an atom from which the electrons have been removed and which, therefore, has a positive electrical charge. It is this positive electrical charge which makes it possible to speed up an ion with an electrical field. The new tandem Van de Graaff generator will have a ten million volt potential for speeding up the positively charged ions.

The University, in conjunction with the State of Minnesota, also has sponsored a bid to the AEC for a nuclear accelerator to be located at Rosemount.

The accelerator will cost an estimated \$348 million and have yearly operating expenses estimated at \$50 million. *Science Magazine* has referred to the planned accelerator as "the costliest, biggest. . . most prestigious piece of scientific equipment in the world."

The AEC's selection of a site undoubtedly will take at least the rest of this year, according to Dr. William G. Shepherd, Vice President for Academic Administration. The Atomic Energy Commission already has invited the University to be one of the schools which will manage and direct the atom smasher project, wherever it is located.

The Chemistry Department has re-

ceived a major equipment grant from the National Institute of Health for purchasing another mass spectrometer. A mass spectrometer breaks apart molecules of complicated compounds and measures the weight of the fragments. The University currently has fourteen of these "atom sorters" in operation, three in the Chemistry Department and eleven in the School of Physics and Astronomy.

In addition to these large grants for research facilities, AEC and NASA funds totaling \$7 million are currently supporting individual space and nuclear science projects at the University. Faculty members in eighteen schools and departments are using these funds for both training and research projects. Listed below are their names, descriptions of their projects, and the to-date amounts of federal support.

Department of Aeronautics and Engineering Mechanics: PROFESSOR HELMUT G. HEINRICH, \$12,000 to design steerable parachutes for returning space craft, ASSOCIATE PROFESSOR CHIH C. HSIAO, \$27,595 to study strength and fracture of solids.

Department of Agronomy and Plant Genetics: PROFESSOR RICHARD S. CALDECOTT, \$308,129 to train students in radiation genetics.

Department of Biochemistry: PROFESSOR MAX O. SCHULTZE, \$76,514 to discover paths and functions of enzymes by using radioactive tracers.

Department of Chemical Engineering: PROFESSOR HENRY M. TSUCHIYA, \$465,280 to study photosynthesis in algae in conjunction with life support systems in space.

Electrical Engineering Department: PROFESSOR AND HEAD ROBERT J. COLLINS, \$164,000 to study the characteristics of the moon's surface, ASSOCIATE PROFESSOR JOHN H. PARK, \$20,315 to study the risk theory approach to non-linear estimation of prob-

Federal Grants

lems in communication and control.

Division of Inorganic Chemistry: ASSOCIATE PROFESSOR WARREN L. REYNOLDS, \$93,212 to examine the exchange rate of electrons between ferric and ferrous iron in non-aqueous media. PROFESSOR AND HEAD RICHARD A. SWALIN, \$174,664 to study electron and atomic mobility in liquid metals at high temperatures and high pressures.

Mechanical Engineering Department: PROFESSOR ERNST R. G. ECKERT, \$303,984 to measure energy exchange between fluids and solids, study energy exchange in gasses at high temperatures, and discover a cooling process for space engines. PROFESSOR EDWARD A. FLETCHER, \$64,000 to study the quenching of solid fuel rocket engines. PROFESSOR RICHARD J. GOLDSTEIN, \$3,845 to study heat transfer through layers of fluids. PROFESSOR EPHRAIM M. SPARROW, \$53,261 to study heat transfer in fin tube radiators and study reflection characteristics of metallic and non-metallic surfaces. ASSOCIATE PROFESSOR KENNETH T. WHITBY, \$112,859 to study electrical charging of small particles at low pressures.

School of Mineral and Metallurgical Engineering: PROFESSOR MORRIS E. NICHOLSON, \$78,569 to study fundamental structure of alloys.

Museum of Natural History: PROFESSOR AND DIRECTOR WALTER J. BRECKENRIDGE AND ASSISTANT PROFESSOR JOHN R. TESTER, \$182,619 to study effects of radiation on health and activities of wild animals, and study animals such as toads by using radioactive tracer materials.

Department of Pathology: PROFESSOR FRANZ HALBERG, \$469,500 to study effects of space flight upon organisms.

Department of Pediatrics: PROFESSOR WILLIAM KRIVIT, \$61,098 to produce a non-radioactive tracer to be used in clinical research.

Division of Physical Chemistry: ASSOCIATE PROFESSOR SANFORD LIPSKY, \$147,247 to study radiation chemistry and photo-chemistry. PROFESSOR RUFUS W. LUMRY, \$318,429 to study lifetimes of excited states of molecules in relation to photosynthesis and other aspects of photo-chemistry.

Department of Physical Medicine and Rehabilitation: PROFESSOR WILLIAM G. KUBICEK, \$143,503 to develop a device which measures the amount of blood pumped by the heart.

School of Physics and Astronomy: ASSOCIATE PROFESSOR STEPHEN G. GASIOROWICZ, \$247,000 to establish a theoretical framework for experimental data. PROFESSOR PAUL J. KELLOGG, \$100,000 to measure waves above the ionosphere. PROFESSOR WILLEM J. LUYTEN, \$276,748 to use photo-electric cells and computers to find moving stars. PROFESSOR ALFRED O. C. NIER, \$231,000 to study planetary and upper atmosphere composition. PROFESSOR EDWARD P. NEY, \$363,000 to prepare atomic research devices for Gemini space flights. ASSOCIATE PROFESSOR WILLIAM

(continued on page 10)

THE BENEFACTORS

Agricultural Barter for College Program

In 1960 the University Board of Regents established the University of Minnesota, Morris, U.M.M. is a co-ordinate, four year liberal arts college of the University, located in an area of the state with limited facilities for higher education.

Over 90 per cent of the students who attended the first year came from West Central Minnesota. It was estimated that 30 to 40 per cent of these students would not have been able to afford any other college or university.

Recognizing the importance of the school, local and county members of the Farmers Union in West Central Minnesota established a loan and scholarship program, the Agricultural Barter for College—ABC. Based upon the rural tradition of bartering, the ABC Program enables individual farmers to encourage education for their

own children as well as for other students who come to the Morris campus.

Farmers in a fifteen-county area donate livestock, produce, grain, dairy products and cash to provide loans and scholarships for needy students. The income from the farmers' commodity donations is consigned to the University.

Since the program began in 1961, nearly twelve thousand dollars have been contributed to the ABC fund. Scholarships totaling \$1,923 have been awarded to 17 students, and 38 students have received loans totaling \$8,813.

Financial need and academic promise are the criteria for awarding loans and scholarships, but students must have completed one quarter of work at the Morris campus to be eligible for ABC loans. Repayment of loans is not required until after the student has left college. Those who graduate from college are allowed to wait one year after their graduation before beginning repayment.

Students whose families belong to the Farmers Union are eligible for forgiveness of part of their loan; those who finish two or more years of college are forgiven ten per cent of their loan, and those who graduate are forgiven 25 per cent.

Interest rates on ABC loans are reduced for all students who finish more than two years of college. Students completing less than two years of college are required to pay five per cent annual interest on their loans, but those who complete two years or more are only required to pay three per cent interest per year.

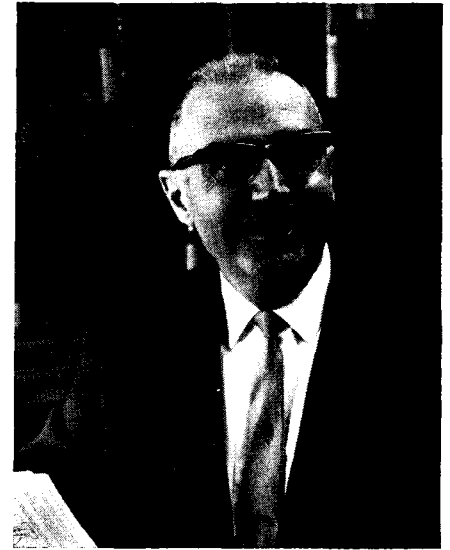
Dean Rodney A. Briggs, University of Minnesota, Morris, says that "The ABC Program is the result of enthusiasm and generosity of the people of West Central Minnesota, and it is a pattern for other 'grass roots' support for the University. Each of the farmers who has contributed to the ABC Program has demonstrated his belief in higher education and his respect for the University of Minnesota."



At the rally which initiated the ABC program in 1961, Dean Rodney A. Briggs of the University of Minnesota, Morris (right), received a Hampshire hog for the ABC fund from Mr. Donnell Frederickson, who has been president of the Swift County Farmers Union and Chairman of the ABC program in Murdock since the program's inception.



Associate Dean of the General College and newly-appointed Chairman of the University College, **Dean Alfred L. Vaughan** has 18 years of experience on the University College Committee. As Chairman, Dean Vaughan will interview all students who apply to University College, consider their reasons for entering, and check their proposed curricula. A faculty member since he received his Ph.D. here in 1934, Dean Vaughan also has served on various committees of the University Senate. He is currently Chairman of the Senate Committee on Intercollegiate Athletics, and is a member of the committees on institutional relations and on scheduling. In addition to his administrative duties, Dean Vaughan teaches a physics course in the General College.



As the new Dean of International Programs, **Dean Willard W. Cochrane** coordinates the University's many activities in international affairs, helps to create and support new programs, and solicits outside financial support for such programs. Dean Cochrane has an extensive background in research, teaching, and the administration of agricultural programs. Dean Cochrane, who headed an agricultural incentives mission to India in 1964, also has served with the United Nations Food and Agriculture Organization. After serving as an agricultural adviser to presidential candidate John F. Kennedy, Dean Cochrane became Secretary of Agriculture Freeman's chief economic aide. In 1964 he received the Agriculture Department's Distinguished Service Award.



As the new director of the Interdisciplinary Program for the Control and Prevention of Crime and Delinquency, **Professor Richard J. Clendenen** works closely with the schools or departments of sociology, law, social work, psychology, psychiatry, agriculture, general extension, and the psycho-educational clinic. Professor Clendenen, a faculty member of the School of Social Work at Ohio State University from 1957 to 1960, has been child welfare commissioner of Kentucky since leaving Ohio State. He has served as associate director of National Youth Welfare and as staff director of the U.S. Senate subcommittee investigating juvenile delinquency. He also has served as chief of the Department of Health, Education and Welfare's Children's Bureau.

Caldecott Heads New College of Biological Sciences



A geneticist associated with the University's Department of Agronomy and Plant Genetics for the last 10 years, Professor Richard S. Caldecott, has been appointed Dean of the College of Biological Sciences. As head of the new college, Dean Caldecott is responsible for drawing together faculty members and curricula from both St. Paul and Minneapolis campuses.

The creation of the College of Biological Sciences is the final step in separating the various scientific curricula from the liberal arts college.

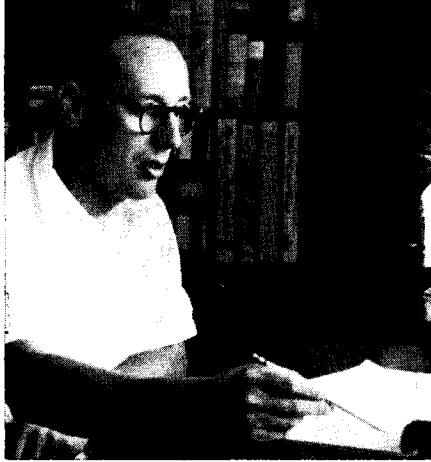
Dean Caldecott has experience in research and the administration of scientific programs. His research has been focused upon aspects of radiation genetics such as effects of radiation on seeds and cells of higher plants.

While associated with the University, Dean Caldecott also has served with the Atomic Energy Commission (AEC) and the United States Department of Agriculture. For the AEC, he developed a program in plant genetics which has been established at Michigan State University. Also, since 1963 he has been a geneticist for the United States Department of Agriculture.

Dean Caldecott was a United States representative to the first *Atoms for Peace Conference* at Geneva, Switzerland, and he headed U.S. delegations to radiobiology meetings in Germany in 1960 and Italy in 1964.

Dean Caldecott's office is on the St. Paul campus where he has worked closely with other University researchers for the past ten years.

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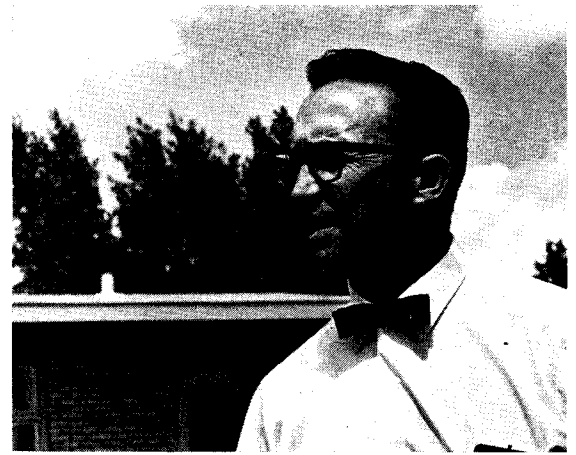


Professor Vernon W. Ruttan, the new head of the Department of Agricultural Economics, is a specialist in agricultural resource development, location incentives to economic development, and comparisons of farm and non-farm income. While on leave from Purdue University for the past two years, Professor Ruttan has served as an economist at the International Rice Research Institute in the Philippines. From 1951 to 1954 he was an industrial economist for the Tennessee Valley Authority, and from 1958 to 1959 he served with the agricultural economics staff at the University of California. Dr. Ruttan is the co-author of several books on rural development problems.

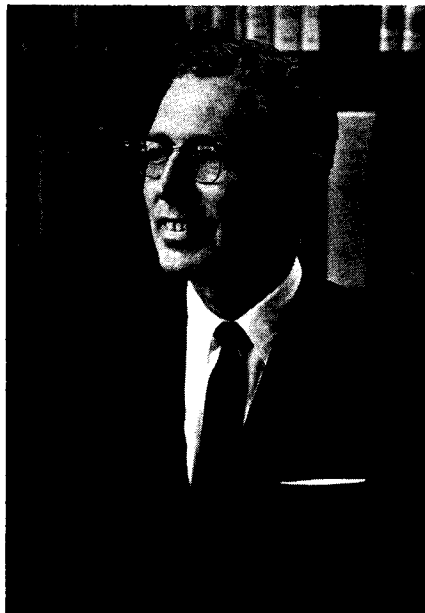
Professor Ralph H. Hopp, who has served on the University Library staff for 12 years, was recently appointed to the new position of University Librarian and Associate Director of Libraries. In his new position, Professor Hopp has major responsibility in the day-to-day management of the library. As the executive officer for the library, he is in charge of all reader and technical services, personnel administration, budget control, student relations, and building and equipment problems. Before coming to Minnesota in 1953, Professor Hopp served as library assistant in the Carnegie Library, librarian at the Battelle Memorial Institute, and divisional librarian for the sciences at the University of Nebraska.

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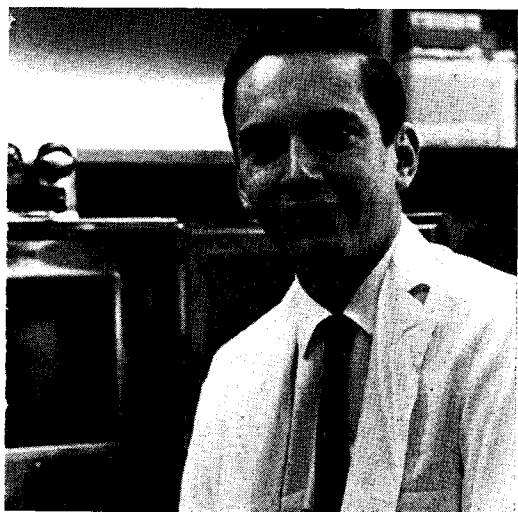
The Staff Members and Friends of the University



The new superintendent of the Rosemount Agricultural experiment station, **Associate Professor Clifford L. Wilcox**, is a specialist in dairy cattle breeding, nutrition, and management. A technician for American Breeders Service in Utah before coming to the University, Associate Professor Wilcox also has served as animal husbandman with the United States Department of Agriculture. Since receiving his Ph.D. here in 1959, he has established and directed the University's Dairy Extension program. In his new position Dr. Wilcox will manage the University's 2,700 acre field laboratory.



Professor Morton Hamermesh, former associate director for basic research at Argonne National Laboratory, Argonne, Ill., is the new Chairman of the School of Physics and Astronomy. His research work includes studies in nuclear and electromagnetic theory, long-wave search antenna apparatus, and the passage of neutrons through crystals and polycrystals. Professor Hamermesh has taught at City College of New York, New York University, and Stanford University. He replaces Professor Alfred O. C. Nier, Chairman since 1953, who has returned to full-time teaching and research.



After two and one half years as co-director of periodontal research at Eastman Dental Dispensary in Rochester, New York, **Associate Professor Richard E. Stallard** returned in June to become Chairman of the Division of Periodontics in the School of Dentistry. At Eastman, Dr. Stallard did research on the causes of periodontal disease—a disease which affects the gums, bone, and membranes which surround the teeth. The researchers discovered that aging and soft foods are primary causes of the disease. "We used one of the latest methods," Dr. Stallard said, "which was to place very tiny radios in the teeth." Whenever the teeth touched, the radios sent signals which helped the researchers understand the functioning of the jaw muscles.



RECENT FACULTY APPOINTMENTS

Appointments to the University faculty for this fall at the rank of Associate Professor and Professor are the following.

Associate Professor of Public Health Glen Emil Bartsch from Western Reserve University

Associate Professor of Agricultural Engineering and Agricultural Education William F. Bear from Iowa State University

Professor of Pharmacology Edward J. Cafruny from the University of Michigan

Associate Professor of Electrical Engineering Lorne M. Channin from Honeywell Research Laboratories, Minneapolis

Associate Professor of Middle Eastern Languages Anwar G. Chenje from the University of Puerto Rico

Associate Professor of German Evelyn S. Coleman from the University of Wisconsin

Associate Professor of Economics Carlos F. Diaz from Yale University

Associate Professor of Naval Science Commander Edward O. Deitrich U.S.N. from New London, Connecticut

Associate Professor and Curator of Mammalogy in the Museum of Natural History Albert W. Erickson from the University of Wisconsin.

Professor of Child Development John H. Flavell from the University of Rochester

Associate Professor of Physics Clayton F. Giese from the University of Chicago

Assistant Dean of the Law School and Associate Professor of Law Robert F. Grabb from the University of Maryland and the Pentagon

Professor of Geology and Geophysics Donald L. Graf from the Illinois State Geological Survey

Associate Professor of Educational Administration Vernon Lee Hendrix from the University of California at Los Angeles

Associate Professor of Social Science at Duluth Virgil J. Kroeger from the University of Michigan

University Awards

The Certificate of Merit Honors Retiring Staff Members

In 1946, the Board of Regents authorized a Certificate of Merit as a token of appreciation for those retiring staff members who have given long and meritorious service to the University.

Since that year, hundreds of staff members have received this Certificate at the annual spring retirement ceremony in Coffman Memorial Union. The ceremony is attended by all those who are retiring and by their friends and relatives.

At the 1965 ceremony on May 28, eighty-four staff members, together averaging over twenty-six years of service, received Certificates of Merit. These staff members totaled 2,223 years of University employment.

President O. Meredith Wilson, addressing the 1965 ceremony, said, "The challenge and the reward for all of us who are involved in education, and every employee of the University is so involved, is the continuing influence of our work on all of the thousands who come to us to learn."

Recipients of the Certificate of Merit,

Professor of Law Thomas P. Lewis from the University of Kentucky

Associate Professor of Education John C. Manning from Fresno State College

Associate Professor of Geology and Geophysics V. Rama Murthy from the University of California at San Diego

Professor of Sociology and Extension Sociologist in the Agricultural Extension Service Charles E. Ramsey from Colorado State University

Associate Professor of Geology and Geophysics George Robert Rapp, Jr. from South Dakota School of Mines

Professor of Zoology Murray D. Rosenberg from the Rockefeller Institute

Associate Professor of Political Science and Coordinator of International Programs Burton Malcom Sapin from the Department of the Undersecretary

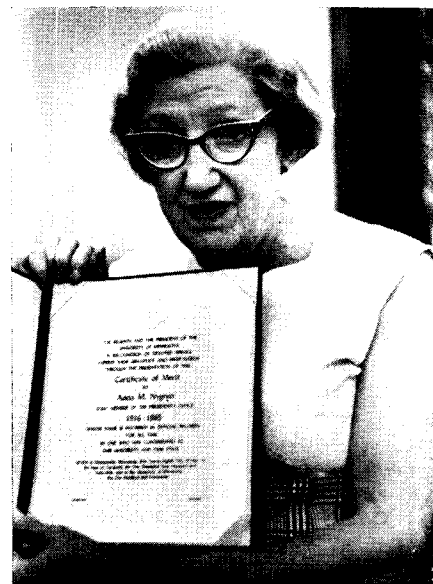


photo by Alan Ominsky

Miss Anna M. Nygren, who retired this year after 49 years of service as a clerk in the President's office, holds the Certificate of Merit she received.

according to the tradition established by the Regents, will have their names inscribed for all time in the official records of the University.

of State for Political Affairs

Associate Professor of Accounting Curtis H. Stanley from Yale University

Professor of Psychiatry and Neurology Hugh A. Storrow from the United States Public Health Service Hospital, Lexington, Kentucky

Associate Professor of Statistics Charlotte T. Strieble from the University of Chicago

Professor of Physics Hiroshi Suura from Nihon University

Associate Professor of History John A. Thayer from Georgetown University

Associate Professor of Romance Languages Joseph Lee Waldauer from Columbia University

Associate Professor of Psychology Karl E. Weick, Jr., from Purdue University

The University Landscape Arboretum

Horace Greeley, known best for his advice to young men to move west, added later to his famous statement the observation that he hadn't been talking about Minnesota. He said that many plants, particularly fruit trees, just wouldn't survive Minnesota's severe winters. In the past 100 years, however, Minnesotans have proved Greeley substantially wrong.

Helping to determine which plant species and varieties, especially woody ornamentals, will grow well in Minnesota is a primary task of the University of Minnesota Landscape Arboretum. Established in 1958, the Arboretum is a joint effort of private initiative and the University.

All of the land which the Arboretum occupies, as well as most of the plantings and structures on the grounds, are gifts from interested individuals, organizations, and foundations. Funds to maintain the Arboretum come largely from individual memberships, memorial gifts, and contributions from garden clubs, nurseries, and foundations. Such gifts are recognized on signs which identify areas or plantings and name the donors.

Administration and care of the Arboretum are provided by the University, under the direction of Professor Leon C. Snyder, head of the University's Department of Horticulture. At present, in addition to three full-time staff members at the Arboretum, twelve students work there full-time during the summers and several work on Saturdays during the school year. Also, the Arboretum has access to equipment and staff consultation of the University's two fruit breeding farms, which are located nearby.

The University staff has worked closely with the Minnesota State Horticulture Society, which has provided state-wide liaison with groups interested in horticulture and has been active in fund-raising.

The Arboretum, located on state highway 5 four miles west of Chanhassen, is open to the public year around. Last year, over 25,000 people visited the Arboretum to enjoy the scenery, learn about the over 2,500 species and varieties on the Arboretum grounds, and inspect new species or varieties being tried out in Minne-

sota for the first time. Group visits have been particularly popular; these have included garden clubs, scout groups, church groups, camera clubs, professional groups, home extension groups, 4-H clubs, and family groups.

Picnic facilities at the Arboretum include a shelter made of hand-carved Douglas fir timbers held in place by wooden pegs, and a picnic terrace with a fireplace. Several other areas in the Arboretum are also suitable for outings.

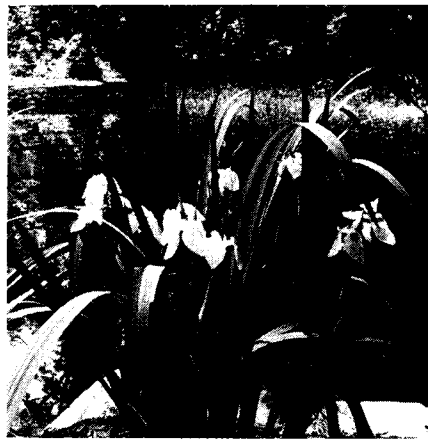
Since 1958, over 10,000 trees, shrubs, and plants representing more than 2,500 species and varieties have been placed in the Arboretum, in addition to the 400 native species

already growing there. In the past year alone, 300 species and varieties were added and 77 were removed, in many cases because the latter had proved unsuitable for Minnesota's climate and soil conditions.

Many of the Arboretum plants are ornamentals, decorative plants of special importance to landscapers and gardeners. Of particular interest this year have been the 90 varieties of flowering crabapple, the azalea and rhododendron collection of nearly 1,400 plants, the more than 200 varieties of old-fashioned roses, and the eighty varieties of day lilies.

In addition to the plantings, a number of special projects have been in progress recently. Trellises designed by Edwin Lundie, St. Paul Architect, have been built near the entrance to the Arboretum and climbing roses planted. Also being established is a 15-acre bird sanctuary where trees, vines, and shrubs are planted which provide food

(continued on page 10)



The Lake Minnetonka Garden Club, which provided the original 160-acre plot for the Arboretum, also has developed the Woodland Pond, where moisture-loving and water plants such as this water iris can be seen.

Many of the Arboretum's 97 species and varieties of peonies are planted opposite the shelter and picnic area, near the entrance. The shelter is a gift of Mrs. John G. Ordway, Sr., of St. Paul.



photos by Alan Ominsky



Vice President Laurence R. Lunden, Business Administration (third from right), presented the Regents Award Citation and Medal to his predecessor, Vice President Emeritus William T. Middlebrook. Along with President O. Meredith Wilson (second from right), three Regents were on hand for the presentation: (left to right) Regent William K. Montague, Regent Bjarne E. Grottum, and Regent George W. Rauenhorst.

Middlebrook Receives Regents Award

Former University Vice-President for Business Administration, William Theophilus Middlebrook, was presented the Regents Award at the July Commencement.

In making the award, the Regents praised Mr. Middlebrook for his "missionary conviction" that higher education is a noble cause. They also thanked him for sharing "his wisdom and experience with educators and statesmen both here and abroad."

After coming to the University in 1925, Mr. Middlebrook served as comptroller until 1943, when he became vice-president for business administration, a position he held until his retirement in 1959.

As an associate of four University presidents, he encouraged federal research grants and urged a moderate tuition policy. He also served as chief legislative spokesman for the University, charting the University's financial programs and explaining the purposes of University expansion.

Since his retirement in 1959, Mr. Middlebrook has served as a consultant to the Ford Foundation and to the Agency for International Development. Recently, for the Ford Foundation, he has advised on fiscal and academic pol-

icies at the University of Calcutta, India, the University of Cordoba, Argentina, and the Catholic University of Chile in Santiago.

While associated with the Agency for International Development, he did similar work at Seoul National University, Korea, the University of Ryukyuu on Okinawa, and the University of the Philippines in Quezon City.

Federal Grants

(continued from page 5)

R. WEBBER, \$451,000 to study atomic energy in space. PROFESSOR JOHN A. WINCKLER, \$396,000 to study three aspects of solar rays. PROFESSOR JOHN H. WILLIAMS, \$1,406,000 for five contracts in different areas of nuclear research.

School of Public Health: PROFESSOR GEORGE S. MICHAELSON, \$150,000 to find techniques for removing terrestrial life from space craft, and \$26,000 to train engineers in microbiology.

Division of Radiation Therapy: ASSISTANT PROFESSOR BARUCH S. JACOBSON, \$70,585 to study effects of radiation on growth and metabolism of algae.

Department of Surgery: PROFESSOR JOHN F. PERRY, \$67,092 to study the use of radioactive micro-spheres in treatment of malignant tumors.

Department of Veterinary Medicine and Clinics: PROFESSOR DALE K. SORENSON, \$326,665 to study occurrence and distribution of bovine leukemia.

Recent Publications of Staff Members

Dr. Egolf V. Bakuzis, Associate Professor of Forestry, and Dr. Henry L. Hansen, Professor of Forestry, *Balsam Fir: A Monographic Review*, University of Minnesota Press.

Dr. Bryng Bryngelson, Professor Emeritus of Speech, *Personality Development through Speech*, T. S. Denison Publishing Co.

Dr. Willard W. Cochrane, Dean of International Programs, *The City Man's Guide to the Farm Problem*, University of Minnesota Press.

Dr. David W. Noble, Professor of History, *Historians against History: The Frontier Thesis and the National Covenant in American Historical Writing since 1830*, University of Minnesota Press.

Dr. Hildred Schuell, Professor of Neurology, *Minnesota Test for Differential Diagnosis of Aphasia*, University of Minnesota Press.

Dr. E. Paul Torrance, Professor of Educational Psychology, *Rewarding Creative Behavior: Experiments in Classroom Creativity*, Prentice Hall, Inc.

University Arboretum Aids State Horticulture

(continued from page 9)

and shelter for song birds. Fruiting plants have been started in this area and the crabapple collection extended to furnish a background for it. An ornamental grass area has been established nearby, with the expectation that the grasses will be a food source for the birds.

In the bog garden, a small lake surrounded by wet-lands of rich native bog vegetation, paths of four-foot elm logs are being installed to supplement the main trail which is made of railroad ties.

Several gifts of land have increased the acreage of the Arboretum to 322. Mrs. John S. Pillsbury, Sr., last year added 20 acres to the Arboretum as a memorial to her stepfather, the late Mr. Edmund S. Pennington. More recently, Mr. and Mrs. Russell H. Bennett and Mr. and Mrs. David J. Winton added a 45-acre plot, and the St. Paul Garden Club gave 97 acres.

The Minnesotan

University of Minnesota Calendar of Events

October 1-15, 1965

CONVOCATIONS

(Open to the public without charge)

Thursday, October 14—Dean Athelstan Spilhaus, Dean of the Institute of Technology, 11:30 a.m., Northrop Auditorium

Thursday, October 14—The Little Angels of Korea, a children's folk dance group, 2:30 and 3:30 p.m., Main Ballroom of Coffman Memorial Union

UNIVERSITY ARTISTS COURSE

Masterpiece Series

Northrop Auditorium, 8:30 p.m.

Thursday, October 7—Shirley Verrett*

Wednesday, October 13—Bonus Concert for Masterpiece Patrons only, Nicolai Petrov. No charge.

MINNEAPOLIS SYMPHONY ORCHESTRA

Friday Evening Concerts

*Stanislaw Skrowaczewski conducting
Northrop Auditorium, 8:30 p.m.*

Friday, October 15—Opening concert, orchestral (Tickets \$2.75-\$5.00)

ATHLETIC DEPARTMENT EVENTS

Home Football Games

Memorial Stadium, 1:30 p.m.

Saturday, October 2—Missouri

Saturday, October 9—Indiana
(Single tickets \$5.00. Over-the-counter sale of any unsold tickets begins Monday before each game at Cooke Hall, at the Minneapolis Downtown Ticket Office, and at Field-Schlick in the St. Paul loop, Har-Mar Mall, and Highland Village.)

Cross Country

*(Open to the public without charge)
University Golf Course, 10:30 a.m.*

Saturday, October 2—Wisconsin

ARBORETUM

*Four miles west of Chanhassen on
Highway 5*

Saturdays, October 2, 9, 16 and 23—Hiking tour of the Arboretum, 10:00 a.m., \$5.00 for non-Arboretum members except children under 12

MUSIC DEPARTMENT PROGRAMS

(Open to the public without charge)

Friday, October 8—Bernhard Weiser piano recital, Northrop Auditorium, 8:30 p.m.

Thursday, October 14—St. Paul Campus Chorus, St. Paul Student Center, 8:30 p.m.

COFFMAN MEMORIAL UNION ANNIVERSARY WEEK

Monday, October 4—A Birthday Party, featuring Doc Evans, a fashion show, 2500 cupcakes, and free tickets to Saturday's finale; Main Ballroom

Monday, October 4, 3:30 to 5:30 p.m.—Campus Life Twenty-five Years Ago

Tuesday, October 5, 3:30 to 5:00, Campus Politics in 1940

Wednesday, October 6, 3:30 to 5:30—Progress in Civil Rights

Thursday, October 7, 11:30 a.m. to 12:30 p.m.—Convocation, Max Shulman Returns to Campus

Thursday, October 7, 3:30 to 5:30 p.m.—Campus Student Leadership: Past, Present and Future

Friday, October 8, 7:00 p.m. to 1:00 a.m.—All Campus Games Tournament: billiards, bowling, chess, bridge, ping-pong

Saturday, October 9, 6:00 p.m.—Alumni Board Dinner followed by celebration featuring Back Porch Majority and several bands

ST. PAUL CAMPUS STUDENT CENTER

Galleries

Sunday, 12:00 noon-11:00 p.m.

*Monday through Saturday
7:00 a.m.-11:00 p.m.*

Friday, October 1 through Friday, October 15—Casesin by Helen Gerardia

Friday, October 1 through Friday, October 15—Water colors and Oils by Ruth Springer

SIGNIFICANT UNIVERSITY BROADCASTS

KUOM, 770 on the dial

Public Affairs Forum

Monday through Friday, 1:30 to 2:15 p.m.

—Lectures, discussions and talks from the University, the community, and KUOM's international sources

Afternoon Concert

Monday through Friday, 2:30 to 3:55 p.m.

—Programs include Minneapolis Symphony Orchestra previews, Artists Course previews, and Sibelius Centenary Concerts

Minnesota Theatre of the Air

Saturdays, 4:00 p.m.—A series of radio dramas beginning with Sholem Aleichem's "The High School"

Science Spotlight

Saturdays, 12:00 noon—Programs feature interviews with University scientists who are responsible for research projects.

UNIVERSITY FILM SOCIETY

(Shown at the Museum of Natural History Auditorium)

Friday, October 1—"Doulos, The Fingerman," (1962, French), and "The Insects" (Japanese cartoon), 7:30 p.m. and 9:30 p.m.

Friday, October 8—"Therese Desqueyroux" and "The End of Summer"; shorts begin 7:30 p.m.

Friday, October 15—"The New Angels" (Italian, 1961) and "Corps Profond," 7:30 and 9:30 p.m.

UNIVERSITY GALLERY EXHIBITIONS

Northrop Auditorium

8:30 a.m.-4:30 p.m.

Monday through Friday

Friday, October 1 through Tuesday, October 19—"Cliffhangers," sculpture and photographic studies by Robert Mallary

Friday, October 1 through Tuesday, October 19—Leonard Baskin, Prints from Gallery Collection

Friday, October 1 through Tuesday, October 19—Toulouse-Lautrec, lithographs and posters organized by University Gallery

UNIVERSITY OF MINNESOTA TELEVISION HOUR

A Service of

The General Extension Division

Seen on Channel 2, KTCA-TV

*Twin City Area Educational
Television Station*

Mondays, 9:00 to 9:30 p.m.—The Singer, with Professor Roy A. Schuessler of the Department of Music

Mondays, 9:30 to 10:00 p.m.—World Affairs, with Professor Roy E. Carter, Jr. of the School of Journalism

Tuesdays, 9:00 to 10:00 p.m.—See South America, with Professor Cotton Mather of the Department of Geography

Wednesdays, 9:00 to 9:30 p.m.—Folio, with Arnold Walker of the Department of Radio and Television

Wednesdays, 9:30 to 10:00 p.m.—To Be Announced

Thursdays, 9:00 to 9:30 p.m.—The Professions, with Professor Leonard Bart of the Speech and Theatre Department

Thursdays, 9:30 to 10:00 p.m.—Town and Country, with Professor Ray Wolf of the Institute of Agriculture

Fridays, 9:00 to 10:00 p.m.—The Human Comedy and Moliere, with Professor Armand Renaud of the Romance Languages Department

* Reservations may be made at 105 Northrop Memorial Auditorium.

Tickets for these events are also available at Dayton's and Field-Schlick on Monday of the week prior to performance.

University of Minnesota Calendar of Events

October 16-31, 1965

UNIVERSITY ARTISTS COURSE

Masterpiece Series

Northrop Auditorium, 8:30 p.m.

Tuesday, October 19—Yehudi Menuhin*

Celebrity Series

Northrop Auditorium, 8:30 p.m.

Thursday, October 21, Mantovani and his Orchestra*

UNIVERSITY THEATRE PRODUCTIONS

Young People's University Theatre Series

Scott Hall Auditorium

Saturday, October 16, 10:30 a.m., 3:30 p.m.,
Sunday, October 17, 3:30 p.m.—*The Merchant Gentleman* by Moliere; Tickets \$.75.

Playwright's Premiere Series

Shevlin Hall Arena

Thursday, October 28 through Saturday, October 30, 8:00 p.m.—A New Play (title to be announced); Ticket Prices are \$1.25 for shows on Sunday through Thursday; \$1.50 on Friday and Saturday.

ATHLETIC DEPARTMENT EVENTS

Home Football Games

Memorial Stadium, 1:30 p.m.

Saturday, October 23—Michigan (Homecoming) (Single tickets \$5.00. Over-the-counter sale of any unsold tickets begins Monday before each game at Cooke Hall, at the Minneapolis Downtown Ticket Office, and at Field-Schlick in the St. Paul loop, Har-Mar Mall, and Highland Village.)

Cross Country

(Open to the public without charge)

University Golf Course, 10:30 a.m.

Saturday, October 23—Northwest Open Meet

CONVOCATIONS

(Open to the public without charge)

Northrop Auditorium, 11:30 a.m.

Wednesday, October 20—Winston Churchill, author, journalist, and world traveler
Thursday, October 28—"The Ancient World: Athens to Cairo." Part 1 of a two-hour film, photographed and narrated by Gene Wianeko

MINNEAPOLIS SYMPHONY ORCHESTRA

Friday Evening Concerts

Stanislaw Skrowaczewski conducting
Northrop Auditorium, 8:30 p.m.

Friday, October 22—Vladimir Ashkenazy, pianist (Tickets \$2.75-\$5.00)

UNIVERSITY GALLERY EXHIBITIONS

Northrop Auditorium

8:30 a.m.-4:30 p.m.

Monday through Friday

Wednesday, October 27 through Sunday, November 21—Robert Motherwell, Collages and drawings

ST. PAUL CAMPUS STUDENT CENTER

Galleries

Sunday, 12:00 noon-11:00 p.m.

Monday through Saturday

7:00 a.m.-11:00 p.m.

Saturday, October 16 through Thursday, October 21—Caseins by Helen Gerardia

Saturday, October 16 through Friday, October 29—Water colors and Oils by Ruth Springer

Thursday, October 21 through Wednesday, November 24—Woodcuts and collages by Frederick Bunce

UNIVERSITY FILM SOCIETY

(Shown at the Museum of Natural History Auditorium)

Friday, October 22—"Birth of a Nation" (American, 1915) and "Ivanhoe Donaldson" (American, 1964), 7:30 p.m.

Friday, October 29—"Kuhle Wampe" (German, 1932), script by Bertolt Brecht, and "Point of Order" (American documentary, 1954), 7:15 and 8:30

MUSIC DEPARTMENT PROGRAMS

(Open to the public without charge)

Sunday, October 17—Student-Faculty Chamber Recital, Mayo Auditorium, 4:00 p.m.

Sunday, October 24, Paul McIntyre piano recital, Northrop Auditorium, 4:00 p.m.

SIGNIFICANT UNIVERSITY BROADCASTS

KUOM, 770 on the dial

Public Affairs Forum

Monday through Friday, 1:30 to 2:15 p.m. Lectures, discussions and talks from the University, the community and KUOM's international sources

Afternoon Concert

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Minnesota Theatre of the Air

Saturdays, 4:00 p.m.—A series of radio dramas produced by KUOM
Saturdays, 12:00 noon—Programs feature interviews with University scientists who are responsible for research projects.

* Reservations may be made at 105 Northrop Memorial Auditorium.

Tickets for these events are also available at Dayton's and Field-Schlick on Monday of the week prior to performance.

THE MINNESOTAN

Department of University Relations
217 Morrill Hall

University of Minnesota
Minneapolis, Minnesota 55455

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THE MINNESOTAN

The University Staff Magazine - November 1965



Legislative Issue

The President's Page

In this issue of THE MINNESOTAN you will find a report on actions of the 1965 State Legislature that affect the University of Minnesota.

Although the appropriations provided to the University by the Legislature are less than we had hoped for, we are nonetheless encouraged by the generous support and understanding we received.

The University welcomed the opportunity of presenting an account of its stewardship and its needs, as it does every two years. Members of the Legislature accorded the University all the time needed to present its case, and we were impressed by the performance of the Legislature and its committees in the questions asked, the material assembled, and the points of view examined.

The University is confident that it was able to present its case well, and that, in the main, its case was received with understanding. Within the limits of State resources, the University was well-treated, despite the fact that it did not get its full request and therefore was forced to raise tuition.

We are all grateful for the indispensable assistance of many staff members who joined together in explaining to the Legislature the needs of the University. Vice President Stanley J. Wenberg carried the major responsibility. He was the focal point for questions asked about the University by Legislators, and similarly he interpreted the attitudes of the Legislature to University Regents and staff members.

In countless ways, many other staff members provided invaluable assistance to Mr. Wenberg in telling the University's story to the Legislature. Among them were Vice President Laurence R. Lunden, Vice President William G. Shepherd, Dr. N. L. Gault, Jr., Associate Dean of the College of Medical Sciences; and Dr. William F. Hueg, Jr., Assistant Director of the Agricultural Experiment Station. To all of these and to academic and business staff members plus Deans and other administrative personnel who helped in this effort, the entire University community is under great obligation.

As we move into the new biennium, we will continue to seek ways in which we can more effectively serve our students and our state. With the rapidly increasing enrollments and the great advances in knowledge, this task is a challenging and exciting one in which to participate.

Meredith Wilson



photo by Alan Ominsky

On the cover . . .

is the familiar quadriga at the base of the Minnesota State Capitol dome entitled "Progress of the State." Hammered from sheet metal and overlaid with gold leaf in 1906 by Messrs. Daniel C. French and Edward C. Potter, the quadriga symbolizes the triumph of government and prosperity. As every Minnesotan knows, the Capitol was the scene of frenzied activity during the 1965 legislative session. This issue of *The Minnesotan* is devoted exclusively to reporting on the action of the 1965 Legislature which directly involves the University of Minnesota and its future.

VOL. XVI THE MINNESOTAN No. 2

Published by the Department of University Relations, 217 Morrill Hall, University of Minnesota, Minneapolis, Minnesota 55455.

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William T. Harris, Jr., Assistant Director

Jacqueline Ann FixEditor

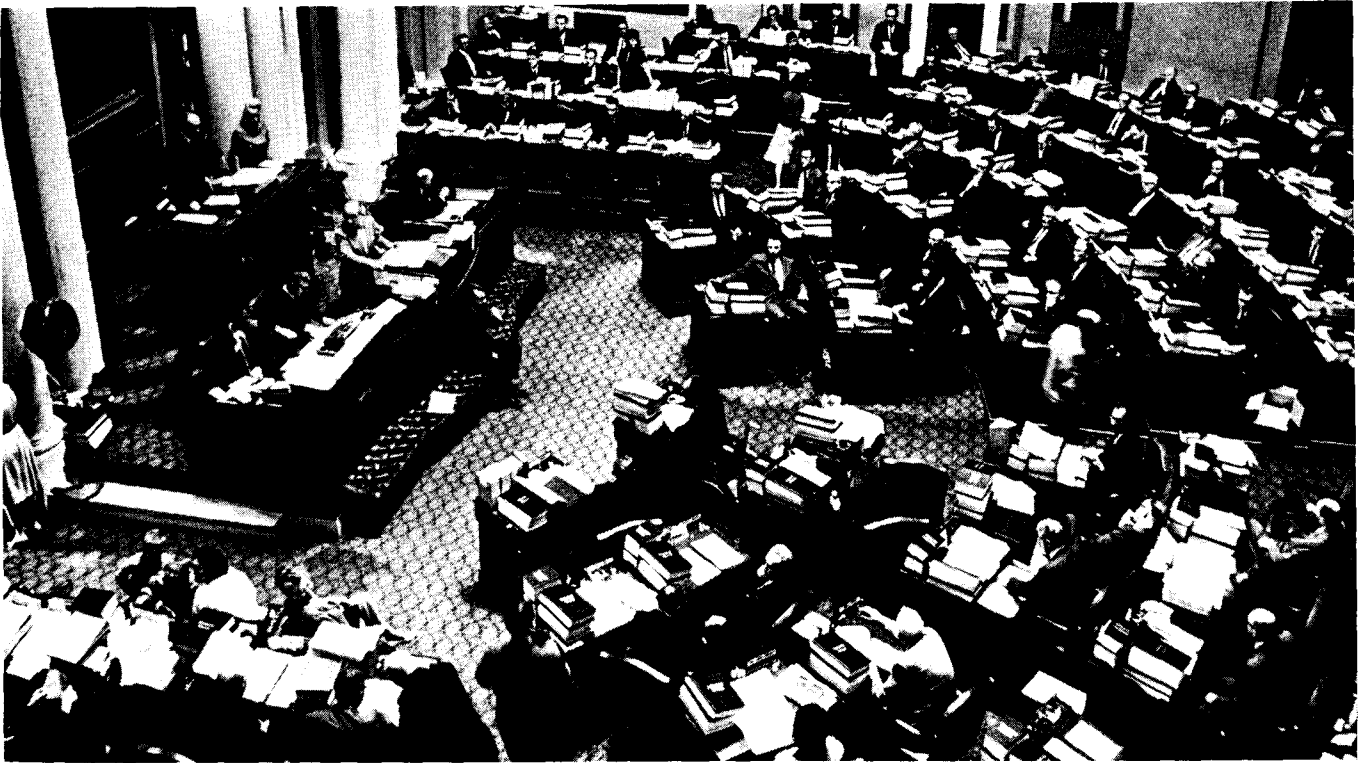
Alan L. OminskyProduction

Advisory Committee: Members of the University Public Information Council

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—Photo Courtesy Minneapolis Star and Tribune

Legislature Appropriates \$114 Million

FUNDS PROVIDE FOR 1965-1967 BIENNIUM

The 1965 State Legislature appropriated \$114,403,766 for the University of Minnesota during the two years of the 1965-1967 biennium.

This sum, spread out among the various campuses, departments, and units of the University, provides the dollars and cents that pay salaries, equip buildings, purchase books and mops and envelopes, and in general enable the University to carry on its work of teaching, research, and public service throughout the State.

The funds include \$98.6 million for general operations and maintenance, special state appropriations, University Hospitals, and the University of Minnesota, Morris. A total of \$15.8 million was appropriated for construction work and purchase of land.

335 TO BE ADDED TO UNIVERSITY STAFF

An additional 240 academic staff members and 95 Civil Service staff members may take their places on the University payroll in 1965-1966 as a result of appropriations by the 1965 Legislature.

Income from legislature appropriations and increased tuition provided \$2.6 million for additional academic staff in the 1965-1966 budget. In addition, the budget contains an allotment of \$502,000 for new Civil Service positions.

In response to a growing demand for higher education and the services of the University, the appropriations are \$24 million more than those received during the preceding biennium.

The general operations and maintenance appropriation provides the heart of the University budget. These funds—\$38.5 million for the 1965-1966 fiscal year and \$42.8 million for the 1966-1967 fiscal year—help to meet, along with other income such as tuition and fees, the cost of the fundamental work of the University, including instructional costs at the Minneapolis-St. Paul and Duluth campuses, the general and administrative costs of the University, the operation and maintenance of buildings and grounds, part of the cost of the Summer Sessions and the General Extension Division, the cost of the libraries, and the operation of the subcollegiate schools and experiment stations.

Because of the relatively unique needs of the University of Minnesota, Morris, in developing the collegiate program started there in 1960, a special request was presented to the Legislature. The appropriation is \$1,240,000, compared to \$964,000 for the last biennium.

Almost \$14 million will support the programs of patient care and far-reaching research carried on by the University Hospitals during the biennium.

(continued on page 14)

Takes Effect in Fall Quarter

Regents Approve Tuition Increase

A \$20 per quarter increase in tuition and the incidental student fee was approved June 12 by the University Board of Regents.

The increase—effective in the fall quarter—will provide an estimated \$1,122,968 to bridge what President O. Meredith Wilson described as the gap between minimal University needs and income coming from the legislative appropriations and the previous tuition and fees.

For most resident students, the increase will raise basic tuition and fees from \$105 to \$125 per quarter, or from \$315 to \$375 per year. Tuition in the professional schools and some colleges is higher.

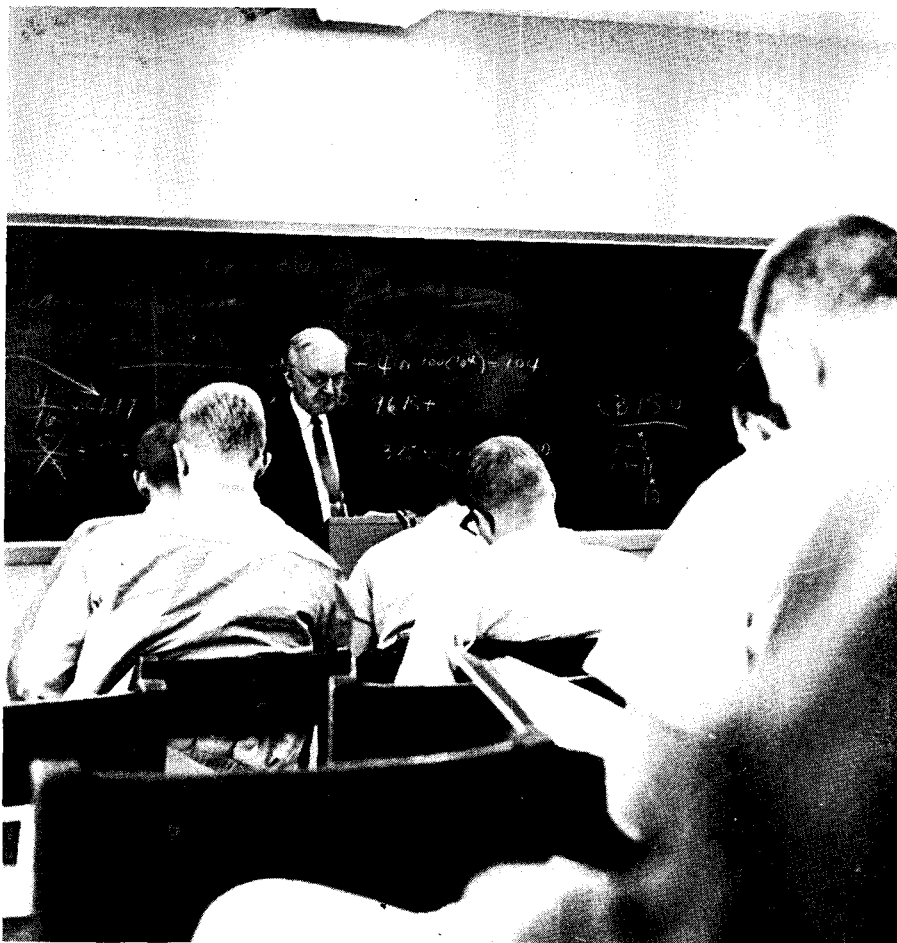
The increase will raise tuition for Minnesota residents to \$98 per quarter, a \$13 increase, and the incidental fee for all students, both residents and non-residents, to \$27 per quarter, a \$7 increase.

The last time tuition went up for all students was the fall of 1963. The increase then was \$5 per quarter for residents and \$20 per quarter for non-residents.

A \$40 per quarter increase in tuition for out-of-state students—from \$240 to \$280 per quarter—began in the fall quarter of 1965. Therefore, non-resident undergraduate students will pay tuition and fees totaling at least \$307 per quarter, or \$921 per year. Many non-resident students are doing graduate or advanced professional work and pay higher tuition.

The tuition increase for in-state students will raise University income about \$1,122,968 next year, and the tuition boost for non-residents will bring in an additional \$360,000.

The 1965 Legislature appropriated \$38.5 million for general operations of the University during the 1965-1966 fiscal year, leaving a gap of \$1,122,968 between minimal needs and available resources. This gap and the increased cost of student services covered by the incidental fee, such as the Health Serv-



Students returning to University classrooms this fall paid tuition and incidental fees that were \$20 more per quarter than last year for Minnesota residents. The Regents approved the increase in order to bridge the gap between University needs and income coming from the legislative appropriations and the previous tuition and fees.

ice and the student unions, necessitated the increase in tuition and fees.

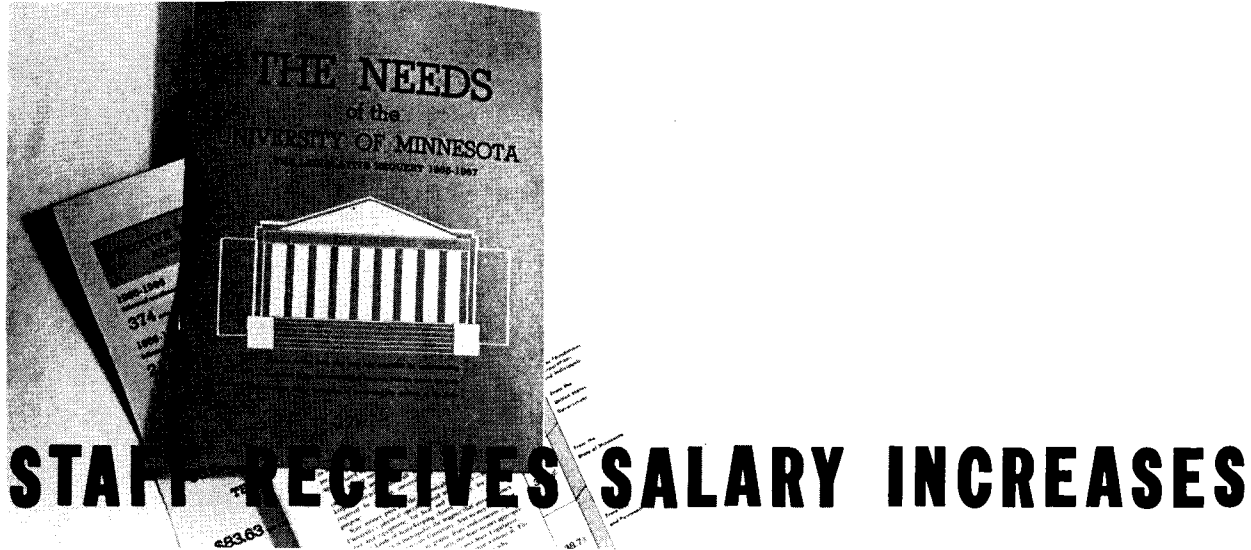
The additional funds provided by the tuition increase will be used primarily to improve faculty salaries, add new faculty members, and augment allotments for University libraries. The income will allow a 7 per cent increase in funds available for faculty salaries and fringe benefits for 1965-1966, rather than the 6 per cent increase provided for by legislative appropriations.

The increase in the incidental fee

will be used for the Student Health Service, the intramural athletic program, student union facilities, the Minnesota Daily, the Minnesota Student Association, band, orchestra, and chorus, and for the Regents' Student Aid Program for needy students.

Minnesota Student Association President Walter Bachman, Vice President Larry Rose, and other student leaders proposed the special student aid program to help students whose education might be jeopardized by the tuition in-

(continued on next page)



Funds for merit increases in faculty salaries and an increase in most University Civil Service pay ranges were provided by the 1965 Legislature.

FACULTY SALARIES

The Legislature appropriated funds equivalent to 6 per cent of the faculty payroll for the 1964-1965 academic year to provide for faculty merit salary increases, promotions, and increases in fringe benefits for each year of the biennium. Additional income from increased tuition will permit raising this to 7 per cent for 1965-1966.

Three major features of the salary adjustments for the faculty will be:

- Merit increases rather than across-the-board adjustments.
- Improvements in the Faculty Retirement Program.
- Increases in the minimum rates for Assistant Professors, Research As-

sociates, Research Fellows, and Instructors, and the fixed rates for Teaching and Research Assistants, Administrative Fellows, Teaching Associates, and Medical and Dental Fellows. (See chart.)

In its appropriation for general operations of the University, the Legislature provided that \$1.5 million the first year and \$1.8 million the second year be made available "for salary adjustments, promotions, and special merit increases for the faculty." About \$394,000 raised through the tuition increase will be added to this in the 1965-1966 fiscal year.

"During the past biennium the University found itself in an increasingly disadvantageous position in the intense competition for the faculty necessary to provide instruction for the steeply rising numbers of undergraduate and graduate students," said Vice President

William G. Shepherd, Academic Administration. "We had the opportunity to present this situation to the Legislature in detail. The Legislature heard our case and was sympathetic to our urgent needs. Its response was necessarily conditioned to the increased needs of all State agencies relative to the resources available."

"In order to meet the competition for faculty it was necessary to augment the salary adjustments made possible by Legislative appropriations," he said. "The adjustments made possible by legislative support and tuition increases have significantly improved the University's salary structure."

In the policy adopted for making faculty salary adjustments, the Board of Regents did not contemplate across-the-board adjustments, but the method of distributing merit money was left to the discretion of the individual colleges. President O. Meredith Wilson set aside a small amount to equalize salaries in certain colleges where pressures to retain staff are the greatest.

One-seventh of the funds available for salary improvements for 1965-1966 has been set aside to improve the Faculty Retirement Program. This will provide that:

1. New appointees at the ranks of Professor and Associate Professor will no longer have a waiting period before becoming eligible for the program. Previously there was a waiting period of one year of service for these ranks. The waiting periods for other ranks will not be changed. These are two years for Assistant

(continued on page 12)

(continued from page 4)

crease. This proposal, joined in by the Administration and approved by the Regents, will provide approximately \$100,000 in student aid each year.

The tuition increase, which is about 15 per cent of the present rates, is comparable to the tuition increases ordered at the state and junior colleges by the Legislature to reflect a continued sharing by the student in the rising cost of education. The total increase in tuition and fees is about 19 per cent of present rates.

The cost of attending the University of Minnesota during the 1964-1965 academic year ranked about midway among costs at the nine state-sup-

ported universities in the Big Ten. Tuition and fees for residents last year ranged from a high of \$375 at Ohio State University to a low of \$270 at the University of Illinois. Minnesota, with resident charges totaling \$315, ranked below the median of \$327 for the nine schools.

In non-resident costs, Minnesota ranked seventh among the nine schools. Non-resident students here paid \$780 last year, compared to a high of \$1,000 at the University of Wisconsin and a low of \$620 at the University of Illinois. The median was \$870.

The only private school in the Big Ten, Northwestern University, charged \$1,560 for tuition and fees last year.

FOR HIGHER EDUCATION

New Coordinating Agency Created

A new coordinating agency for higher education in Minnesota was created by the 1965 Legislature.

Called the Liaison and Facilities Commission for Higher Education, it replaces the Liaison Committee on Higher Education and the Higher Education Facilities Commission.

According to Vice President Stanley J. Wenberg, the Legislature wanted to add public members who did not represent any particular educational board, and also to formalize the responsibilities of the committee, looking toward a "Minnesota Master Plan" for higher education.

University of Minnesota President O. Meredith Wilson was a member of the Liaison Committee, and, as the chief executive officer of the University Board of Regents, will continue as a member of the new Commission. Dr. Charles W. Mayo, Chairman of the University Board of Regents, also will serve on the new Commission.

The act provides that 10 of the 18 unpaid members of the new Commission are to be appointed by the Governor with Senate consent. Two of the ten shall be presidents of private colleges or universities and the eight others shall be citizens not associated with existing boards, one from each of Minnesota's eight Congressional districts.

The remaining eight members will be the chairmen or presidents and the chief executive officers of the four major State higher education boards—the University Board of Regents, the State College Board, the Junior College Board, and the State Board of Education.

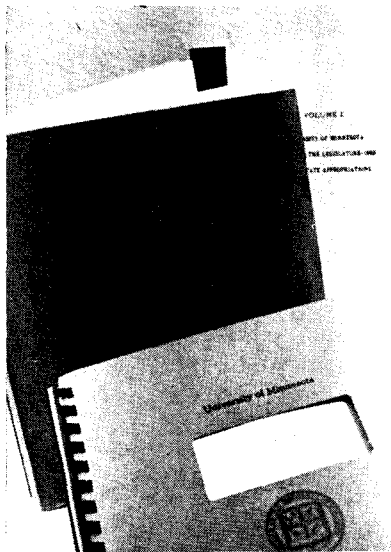
The Commission was granted \$120,000 for the 1965-1967 biennium, to hire a staff, including an executive director at up to \$18,500, and to conduct coordinated planning for the State's public higher education. It is directed to make a continuing study of all phases of higher education and to report periodically to the Governor and the Legislature.

Its predecessor, the Liaison Committee, was a 15-member committee established by legislative resolution in 1959 to provide for educational planning and coordination of public higher education. It consisted of representatives of the University, the State College Board, the State Junior College Board, the State Department of Education, and the private colleges. Its primary goal was to develop a comprehensive plan for higher education in Minnesota to serve as a basis for long-range planning.

In its biennial report to the Legislature this year, the Liaison Committee stressed the need for a full-time executive director and staff, and recommended that it would be desirable to combine its functions and those of the Higher Education Facilities Commission, established by the Governor in 1964.

The Facilities Commission, made up of five members appointed by the Governor, was named to screen applications for some \$25 million in federal funds for college construction that the State can expect over a five-year period.

(continued on page 12)



These books, which were presented to the State Legislature, contained the University's total request of \$158,118,590 for the 1965-1967 biennium. The three books covered requests for general operations and maintenance, buildings, and special projects.

UNIVERSITY REQUESTS TOTALED 158 MILLION

The requests submitted to the State Legislature by the University Board of Regents for the 1965-1967 biennium totaled \$158,118,590 for all purposes.

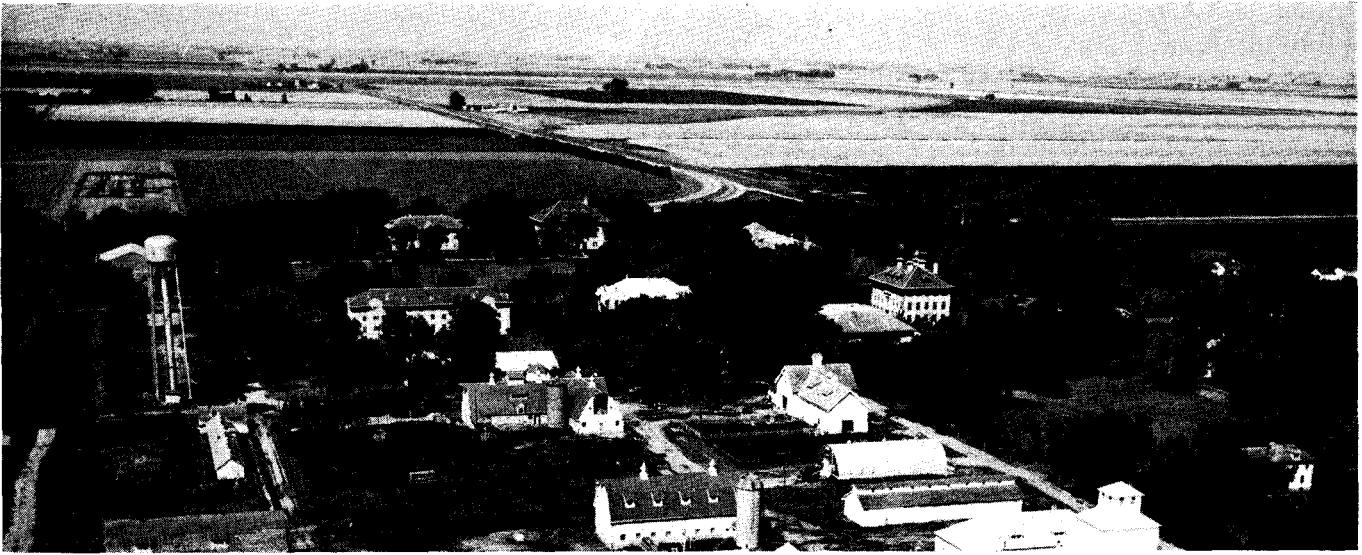
The requests included \$109.6 million for general operations and maintenance, special State appropriations, University Hospitals, and the University of Minnesota, Morris, and \$48.6 million for construction and purchase of land.

Governor Karl Rolvaag recommended University appropriations totaling \$120,035,832 for all purposes. He proposed a \$24.6 million increase over the appropriations for the previous biennium, for a total of about \$101 million, for general operations and spe-

cific appropriations. The Governor supported the recommendation of the Legislative Building Commission for new buildings and land for the University in the amount of \$19 million.

In presenting its case to the Legislature, the University adheres to its original requests and does not modify them as a result of the Governor's recommendations.

The appropriations granted for the biennium by the Legislature totaled \$114,403,766, including \$98.6 million for general operations and maintenance, special State appropriations, University Hospitals, and the University of Minnesota, Morris, and \$15.8 million for construction and land.



The campus of the Northwest School of Agriculture at Crookston will become the home of a new college-level technical institute, which will place major emphasis on two-year programs

in technical agriculture and agri-business. The new institute will admit students in the fall of 1966. The secondary-level program is being phased out.

New College-Level Institute Planned For Crookston

A new type of collegiate instruction will be added to the University system with the replacement of the secondary-level Northwest School of Agriculture at Crookston with a two-year, college-level technical institute.

The new institute will place major emphasis on two-year programs in technical agriculture and agri-business. It will admit students in the fall of 1966, and will draw a maximum of 400 students from all parts of the State.

The secondary-level program will be phased out in three years. No freshmen will be accepted in it this fall, and the last class will graduate in the spring of 1968.

The Agricultural Experiment Station will continue to operate, under Dr. Bernard E. Youngquist, Superintendent.

The technical institute will be developed under the administration of the College of Agriculture, Forestry, and Home Economics of the Institute of Agriculture. A director, reporting to Assistant Dean Keith N. McFarland, will be appointed with responsibility for developing college-level programs. A faculty advisory committee representing University departments that have an interest in curricular developments at Crookston will be appointed.

The 1965 Legislature appropriated \$210,000 for support of the institute and for program development during the 1965-1967 biennium, and \$375,000 for building projects. These will include rehabilitation of Keihle Building, Selvig Hall, and food service facilities in the dining hall, and remodeling of Hill Building and Owen Hall.

Creation of the technical institute is the latest outgrowth

of a study of Minnesota agricultural schools that was started by the Legislature in 1957. Previous steps have been the conversion of the school at Morris to a four-year liberal arts college, beginning in 1960, and the phasing out of the secondary-level program at the North Central School of Agriculture, Grand Rapids, with graduation of the last class in 1965.

A series of study commissions recommended the phasing out of the high-school-level work at the Northwest School of Agriculture at Crookston. Last year President O. Meredith Wilson named a Northwest School Planning Committee, chaired by Vice President Stanley J. Wenberg, with a curricular committee chaired by Associate Dean Alfred L. Vaughan of the General College.

The planning committee proposed specific ways in which a technical institute could be developed at Crookston, in coordination with collegiate opportunities available at the University of North Dakota nearby at Grand Forks, and a proposed junior college at nearby Thief River Falls. It recommended the major emphasis on two-year technical programs in agriculture and agri-business. It also recommended that freshman classes in the present secondary-level School of Agriculture no longer be started, beginning this fall.

Discussions to date suggest that programs at the institute will be offered in the following areas: agricultural science technology, farm operations, agri-business management, accounting, marketing and merchandising, small business management, and a secretarial program geared to these areas. About a third of the work offered will be in liberal arts. New programs may be offered later.

The level of instruction will be collegiate. Credits in general education courses will be transferable to other college programs, and those in the technical courses will be transferable depending on their organization and structure and their acceptability to the other institutions.

LEGISLATORS, UNIVERSITY GET ACQUAINTED



Special buses often were provided for the convenience of legislative visitors to the University campuses.

"Getting to Know You" might well be the theme song for an important phase of University-Legislature relations during each legislative session.

Many man-hours are devoted to introducing Legislators to the University and its staff, helping them to get a behind-the-scenes look at University operations, and answering their questions as they seek a clear understanding of the University's needs.

This effort takes many forms. Some have become a traditional part of the University calendar—Legislators', Editors', and Broadcasters' Day on the first or second football weekend each fall, for example, or the orientation tour for new Legislators at the beginning of each session, or the biennial visit of the Dome Club, an organization of the wives of Legislators and of certain other State officials.

Others are part of the formal workings of the Legislature itself, as its committees and subcommittees study bills which affect the University. Many University staff members attend the formal committee hearings, and often the committees visit one or another of the University's campuses.

And there are other, more personal contacts as well. Many Legislators can give their colleagues an insight into the University through personal experience as students. Others have contacts through their businesses or professions, as parents of University stu-

dents, and as friends of staff members.

Along with the work of many other offices of the University, Vice President Stanley J. Wenberg's office maintains constant contact with Legislators year round, of course.

In all these ways, the University staff plays an essential role in meeting members of the Legislature and acquainting them with the University. Some of these occasions are described below.

* * * *

An early start is made by the Legislative Building Commission, an interim group which begins examining requests for buildings, remodeling, and land purchases about 18 months before the start of a new legislative session. The Commission visited most of the University campuses and stations throughout the State in preparation for the 1965 session of the Legislature.

* * * *

Legislators were among the 1,200 guests of the University at the annual Legislators', Editors', and Broadcasters' Day September 26, 1964. They viewed 40 exhibits set up by University Departments in Williams Arena. These ranged from a glassblowing demonstration to an operating computer capable of drawing a blueprint to performances by University Theatre student actors. A luncheon of barbecued beef was prepared and served by the Block and Bridle Club, an organi-

zation of Animal Husbandry students. Deans and faculty members served as luncheon hosts. Guests then attended the Minnesota-Nebraska football game.

* * * *

Freshman members of the Minnesota House of Representatives toured the Minneapolis and St. Paul campuses of the University February 3 to see the daily life of the University, as part of their unique four-week orientation program. They made stops at the Dairy Industries Building on the St. Paul Campus, the Children's Rehabilitation Center on the Minneapolis Campus, and the School of Business Administration, the Social Science Building, and the Classroom Building on the West Bank of the Minneapolis Campus.

The new Legislators learned about research programs and results, and, after dinner in the Campus Club, they became students-for-an-evening. At a class in Seventeenth Century Literature in Vincent Hall, they heard a lecture on John Donne by Professor of English Gordon W. O'Brien.

* * * *

The St. Patrick's Day blizzard—the worst of the winter—interfered with plans for a visit by the Dome Club on March 18, but pleasant spring weather prevailed for the rescheduled visit April 29.

The wives of Legislators and of other
(continued on next page)

(continued from page 8)

State officials began their tour with tea in the Children's Rehabilitation Center, where Professor Frederic J. Kottke, Head of the Department of Physical Medicine and Rehabilitation and Director of the Center, served as host. After touring the Center, they went to the West Bank buildings, where Professor John Turnbull, Associate Dean, Social Sciences, of the College of Liberal Arts, showed them through the Social Sciences Building, and Professor Nicholas A. Glaskowsky, Jr., Director of Undergraduate Programs of the School of Business Administration, conducted a tour of the School of Business Administration Building and the Computer Center in the Classroom Building.

The women then joined their husbands in the indoor Court of the Architecture Building for dinner and a program that featured student talents. Vice President Wenberg presided. Mr. ROLLIE WILLIAMS, a student of Professor Valerius Michelson, described the hyperbolic paraboloid that was a center of attention in the Court. It had been built by Professor Michelson's students for his Architecture course in "Form and Structure." Professor Paul M. Oberg of the Department of Music presented students and faculty members in a short musical program.

On the tables for guests to take home were packages containing samples of Nuworld cheese and Blue cheese. University of Minnesota research played an important part in the development of both cheeses. The samples were supplied by Professor Samuel T. Coulter, Head of the Department of Dairy Industries.

* * * *

During the legislative session, three House committees met on campus. The House University Committee met on the Minneapolis campus during February. The House Appropriations Subcommittee on Education met on both the Minneapolis and St. Paul campuses during February. The House Appropriations Subcommittee on Buildings visited the Minneapolis, St. Paul, Duluth, Morris, and Crookston campuses during February and March.

November, 1965

3 Incumbents Re-Elected

Two New Members Named to University Board of Regents

Three incumbents and two new members were elected to the University of Minnesota Board of Regents May 18 by the 1965 Legislature.

Re-elected at the joint meeting of the House and Senate were incumbent Regent Charles W. Mayo, M.D., Rochester; Regent Marjorie J. Howard, Excelsior; and Regent Lester A. Malkerson, Minneapolis, for six-year terms.

New members are Regent George W. Rauenhorst, an Olivia farmer, chosen for a six-year term, and Regent Albert V. Hartl, Fergus Falls, President of the Otter Tail Power Company, given a four-year appointment.



Honorable Albert V. Hartl

Regent Malkerson represents the Fifth Congressional District. The others were elected to represent the State at large. The terms officially began Feb. 1, 1965.

On June 12, the Regents re-elected Regent Mayo First Vice President and Chairman, and Regent Howard Second

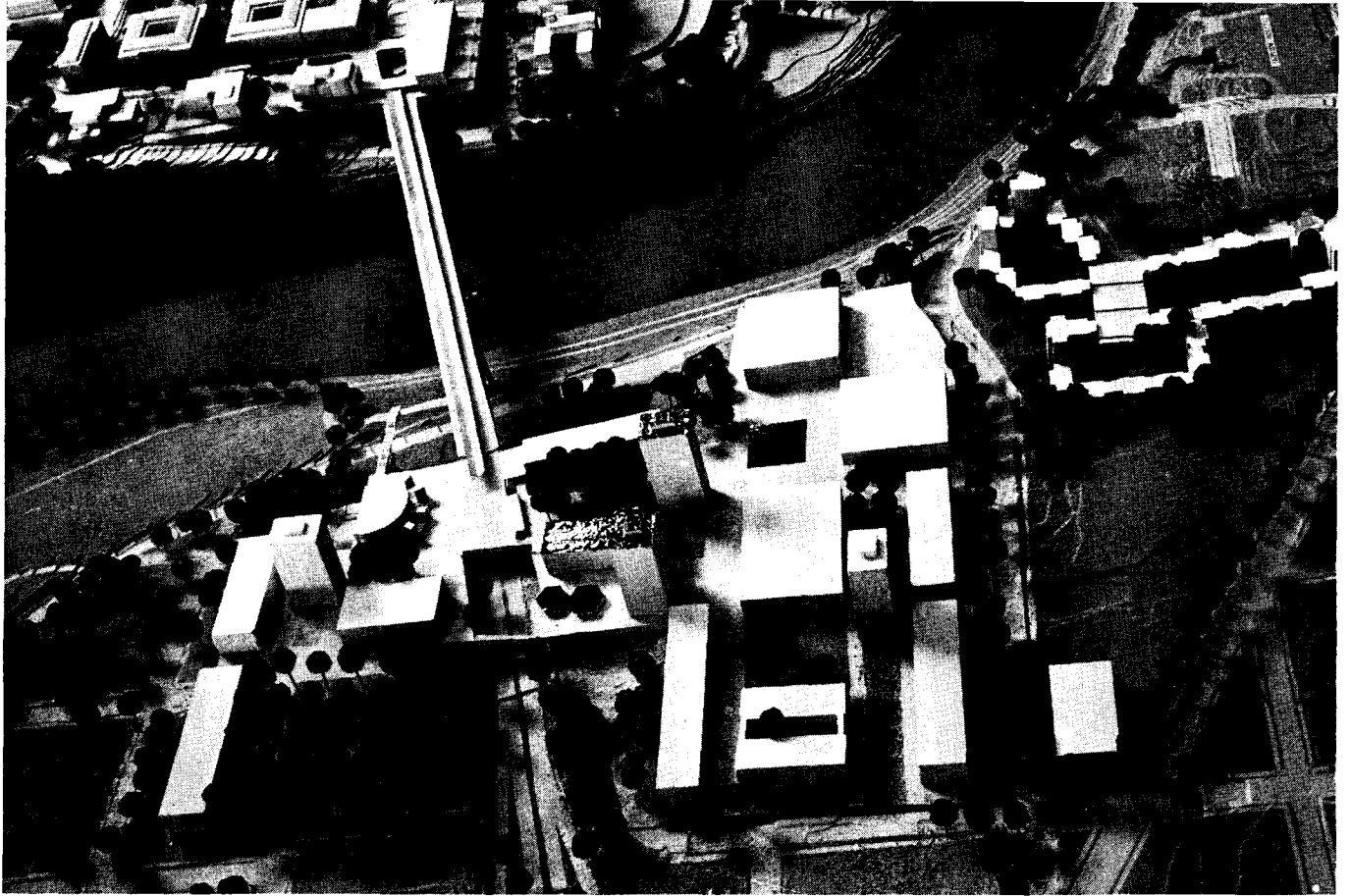
Vice President. University President O. Meredith Wilson serves ex officio as President of the Board of Regents, and Vice President Laurence R. Lunden, Business Administration, is Secretary.



Honorable George W. Rauenhorst

The Legislature did not re-elect Regent Gerald W. Heaney, Duluth, although its joint nominating committee had recommended his re-election. Regent Heaney was appointed to the Board of Regents last year by Gov. Karl Rolvaag to replace Regent A. J. Olson, who resigned Jan. 13, 1964.

Other members of the Board of Regents are Regent Daniel C. Gainey, Owatonna; Regent Bjarne E. Grottum, Jackson; Regent Robert E. Hess, White Bear Lake; Regent Fred J. Hughes, St. Cloud; Regent William K. Montague, Duluth; Regent Otto A. Silha, Minneapolis; and Regent Herman F. Skyberg, Fisher. Former Regent A. I. Johnson retired from the Board earlier this year.



BUILDING FUNDS GRANTED

Legislature Appropriates \$15.8 Million

Many University staff members will have new or remodeled classrooms, laboratories, and offices on campus soon as a result of appropriations made by the 1965 Legislature.

Thirty-eight buildings will be planned, erected, rehabilitated, or remodeled on the University's campuses with the \$15.8 million appropriations for the biennium. The funds also cover extensive development of utilities and service facilities and purchase of land. The total is \$3.3 million more than the appropriations two years ago.

Legislative appropriations for each University campus are shown in the accompanying chart.

According to Vice President Stanley J. Wenberg, it was possible for the Legislature to cover a greater number of needs this session by putting federal funds into the appropriation picture. This was done by expanding the number of buildings, but by funding many of these only partially, he explained. As a safety factor a \$4 million kitty was created at the State level in the event some applications for federal funds are denied. Each State agency agreed to make a maximum effort to obtain federal funds on designated buildings.

Mr. Wenberg estimates this arrangement of anticipating federal funds, tried for the first time in the 1965 session,

may have increased the University's allotment of buildings by as many as three structures.

It should be noted that the State appropriation of \$3,826,000 for a new State Board of Health building (with a total cost of \$4,880,000) also has the effect of increasing University building resources, because the University will receive the Board's old building, next door to the Department of Psychology.

Since the end of the 1965 session, members of the 1965-1967 Minnesota Legislative Building Commission have been named. It includes Senator Harold R. Popp, Chairman, Conservative, Hutchinson, a retired druggist; Senator William C. F. Heuer, Liberal, Bertha, a farmer; Senator P. J. Holand, Conservative, Austin, a farmer and printer; Senator Lew W. Larson, Conservative, Mabel, a farmer; Senator

(continued on page 13)

The West Bank of the Minneapolis Campus will one day take the form shown on this model (above). On the West Bank, funds appropriated by the 1965 Legislature will finance construction of a classroom building south of the highway, planning of a classroom building north of the highway, completion of the library south of the present buildings, and purchase and conversion of the General Outdoor Advertising building.

University to Evaluate Inter-Institutional TV

The feasibility and merit of inter-institutional television in Minnesota will be evaluated in a study by the University of Minnesota.

The study was ordered by the 1965 Legislature, which granted \$150,000 for this purpose during the 1965-1967 biennium.

"The people of Minnesota have a common interest in determining how television can be most effectively and efficiently used in meeting educational needs of the State," said the bill authorizing the appropriation.

The study is to cover, but is not limited to, five areas:

1. Evaluation of the educational needs which might be effectively and efficiently served by "the inter-institutional use of televised instructional materials." This is to emphasize the University, the state colleges, and the state junior colleges, but is not limited to them.

2. An engineering survey of the facilities required to provide inter-institutional television.

3. Evaluation of the costs and other considerations affecting the relative merit of different methods of transmitting televised instruction between institutions.

4. An inquiry into the coordination problem involved in inter-institutional televised instruction.

5. Experimental testing of the feasibility of inter-institutional cooperation in this field.

The University is to report to the Legislature on or before July 1, 1966, summarizing the findings of the study and recommending "the most appropriate program for developing the educational materials, facilities, and policies which will provide the most effective and efficient inter-institutional use of televised materials."

In commenting on the study, Assistant Vice President D. K. Smith said, "The University expects that the study will emphasize faculty involvement in developing patterns of inter-institutional cooperation on the improvement of instruction and the improvement of

educational opportunity in the State of Minnesota."

"We already know that effective instruction can be carried out through electronic media, and that we have available to us ways of linking the various educational institutions of the State through television," he said. "Our major problem in Minnesota, as elsewhere in the nation, is to develop the pattern of inter-institutional cooperation which will make possible effective use of new instructional media."

Paul H. Cashman, Assistant Vice President for Educational Relationships and Development is over-all director of the project, and John Stecklein, Director of the University's Bureau of Institutional Research, will supervise the actual study.

A 14-member state advisory committee for the project is made up of representatives of the following organizations: the University of Minnesota, the State College Board, the State Junior College Board, the Minnesota State Department of Education, the Minnesota Private College Council, the Minnesota Liaison and Facilities Commission, the Twin City Area Educational Television Corporation, the Association of Minnesota Colleges, and the Minnesota Conference of the American Association of University Professors.

The University, which has gained much experience in the use of televised instruction on its own campuses, now is evaluating the feasibility and merit of inter-institutional television in Minnesota, in a study ordered by the 1965 Legislature.



President, Aides Thanked for Work With Legislature

The Administrative Committee of the University Senate extended a vote of thanks to President O. Meredith Wilson and others "who were so effective in presenting the University's needs to the 1965 Legislature."

Among those thanked, in addition to President Wilson, were Vice President Stanley J. Wenberg, Vice President Laurence R. Lunden, Vice President William G. Shepherd, Budget Analyst Chester B. Grygar, Associate Dean N. L. Gault, Jr., of the College of Medical Sciences; Associate Professor William F. Hueg, Jr., Assistant Director of the Agricultural Experiment Station; Professor Elmer W. Learn, Director of Planning; and Mr. James H. Hammill, Administrative Assistant to President Wilson.

LIAISON COMMISSION

(continued from page 6)

Its functions are now transferred to the new Commission.

Ten members of the Commission were appointed by Governor Karl Rolvaag in July. To represent the private colleges he named Brother Josephus Gregory, President of St. Mary's College, Winona, and Dr. Sidney A. Rand, President of St. Olaf College, Northfield. Appointed by the Governor to represent the Congressional districts were Mr. Warren P. Eustis, Rochester attorney, First District; Miss June Otterness, Director of Elementary Education in Hutchinson, Second District; Mrs. Charles W. Johnson, Bloomington housewife, Third District; Mr. John E. Carroll, St. Paul manufacturer and a member of the Higher Education Facilities Commission, Fourth District; Mr. Leonard E. Lindquist, Minneapolis attorney and a former State Legislator, Fifth District; Mr. Jack Lynch, radio broadcaster, Willmar, Sixth District; Mr. Emil L. Prestemon, retired farmer, Bagley, Seventh District; and Mr. Lawrence

R. Yetka, Cloquet attorney and a former State Legislator, Eighth District.

Brother Josephus Gregory, Mr. Eustis, Mrs. Johnson, Mr. Lynch, and Mr. Prestemon were named for terms ending Feb. 15, 1967, and Dr. Rand, Miss Otterness, Mr. Carroll, Mr. Lindquist, and Mr. Yetka for terms ending Feb. 15, 1969.

The eight members who serve on the Commission because of positions they occupy are Dr. Charles W. Mayo, Rochester, Chairman of the University of Minnesota Board of Regents; University President O. Meredith Wilson; Mr. Norman H. Nelson, Moorhead, President of the State College Board; Dr. Bevington Reed, Chancellor of the State College Board; Dr. C. F. McGuiggan, Marshall, President of the State Board of Education; Mr. Duane J. Mattheis, State Commissioner of Education; Dr. Philip C. Helland, Executive Director of the State Junior College Board; and General Edwin W. Rawlings, Minneapolis, President of the State Junior College Board.

SALARIES

(continued from page 5)

- Professors and Research Associates and three years for Instructors and Research Fellows.
2. The institutional commitment to the staff members' retirement program will increase from 7½ per cent to 9 per cent on that part of salaries in excess of \$5,000, while the institutional contribution on the first \$5,000 will remain at 2½ per cent.
 3. The net effect for most faculty members will be an increase in the amount available for retirement above the Federal Social Security figure.

CIVIL SERVICE SALARIES

Nearly every Civil Service classification was reassigned to a higher pay range on July 1 as a result of legislative action, according to Vice President Laurence R. Lunden, Business Administration. The budget plan provides \$609,905 to finance the changes.

The pay range changes approved by the Legislature were recommended by the University Office of Civil Service Personnel and the State Department of Civil Service as a result of a survey made a year ago of current wages being paid by industry in the Twin Cities and throughout the State. The changes are being made in order to make University and State Civil Service pay ranges comparable with each other and

with wages being paid in industry for similar work.

The Legislature provided, as it has in previous years, that all University Civil Service employees shall be paid salaries comparable to the salaries paid to State employees in the classified State Civil Service.

The Legislature prohibited the granting of merit and longevity merit increases to Civil Service staff members during the 1965-1966 fiscal year. However, it provided funds to make possible reassignment of most classes of work to higher pay ranges, thus giving pay raises to most staff members. It will be possible, under the law, to give merit and longevity merit increases in the 1966-1967 fiscal year, if funds are available.

RATE INCREASES FOR CERTAIN FACULTY MEMBERS

<i>Minimum rates for:</i>	<i>New rate</i>	<i>Old rate</i>
Assistant Professors and Research Associates	\$725 per month	\$628 per month
Instructors and Research Fellows	\$625 per month	\$553.55 per month
<i>Fixed rates for half-time service for:</i>		
Teaching Associates	\$2,500 and \$2,700 per year	\$2,400 per year
Teaching Assistants and Administrative Fellows	\$2,200, \$2,350, and \$2,500 per year	\$2,200 per year
Research Assistants	\$2,200 per year	\$2,178 per year

BUILDINGS

(continued from page 10)

John L. Olson, Conservative, Worthington, a farmer; Representative Sam R. Barr, Liberal, Ortonville, an electrical contractor; Representative Everett Battles, Liberal, Warroad, a farmer; Representative W. G. Kirchner, Conservative, Richfield, a banker; Representative Marvin C. Schumann, Conservative, Rice, a farmer, and Representative Roy L. Voxland, Conservative, Kenyon, a farmer.

Senator Popp and Senator Heuer have served on three Legislative Building Commissions since 1957, and the other members have served on one, with the exception of Senator Holand. All except Senator Holand served on the 1965 Legislative Building Subcommittee.

BUILDING APPROPRIATIONS FOR UNIVERSITY CAMPUSES

MINNEAPOLIS: \$9,333,006 granted.

West Bank:

- Construction of classroom buildings south of highway.
- Planning of classroom building north of highway.
- Construction of three phases of library, to completion.
- Purchase and conversion of General Outdoor Advertising Building.

East Bank:

- Construction of laboratory and classroom building south of Chemistry Building.
- Planning of mathematics addition to Vincent and Murphy halls.
- Continued rehabilitation of Jackson Hall and Chemistry Building, and construction of rooftop addition to Jackson Hall.
- Rehabilitation and remodeling of third floor of Walter Library.
- Rehabilitation of Electrical Engineering Building and Physics Building.
- Construction of heating tunnel and installation of piping.
- Construction of sanitary sewer system.
- Start of expansion and rehabilitation of campus electrical distribution system.
- Land acquisition on both banks for housing. Dental and Medical School expansion, and undesignated parcels.

ST. PAUL: \$2,872,250 granted.

- Construction of entomology, fisheries, and wildlife facilities.
- Construction of first phase of animal science research laboratories.
- Construction of veterinary medicine building.
- Construction of sanitary sewer, water main, and tunnel extensions, and installation of piping.
- Planning of horticultural science facility.
- Purchase of 8.2 acres of land for research plots and to consolidate the campus.

DULUTH: \$1,446,500 granted.

- Construction of life science building.
- Construction of study hall.
- Construction of housing for 202 students.
- Construction of utility tunnels, and a passageway from Humanities Building to Physical Education Building.
- Improvements in Education Building.
- Installation of natural gas heating facilities.
- Installation of an elevator in the Education or Science Building.

MORRIS: \$1,480,000 granted.

- Construction of first phase of library.
- Construction of second and third units of science and classroom building.
- Rehabilitation of food service, Senior Hall, and Humanities and Education Building.
- Installation of utilities and service facilities.

SCHOOLS OF AGRICULTURE AND EXPERIMENT STATIONS: \$688,900 granted.

Northwest School and Experiment Station, Crookston: \$135,000.

- Rehabilitation of Kiehle Building, Selvig Hall, and food service facilities.

- Remodeling of Hill Building and Owen Hall

- Remodeling of feed grinding, mixing, and handling facility.

- Construction of outside feeding floors and yards.

- Construction of water main from city limits to campus.

Southern School and Experiment Station, Waseca: \$57,000.

- Construction of swine research facility.

- Drainage for land reclamation.

Lake Itasca Forestry and Biological Station: \$63,900.

- Construction of aquatic laboratory and sanitary sewer.

Cloquet Forest Research Center: \$13,000.

- Construction of sewage disposal system, new well, and water mains.

- Land acquisition.

Agricultural Experiment Station, Rosemount: \$45,000.

- Construction of beef cattle barn, hay and straw storage facility, fences, and sheep herding project barn.

Excelsior Fruit Breeding Farm: \$15,000.

- Installation of new pump and expansion of irrigation system.

Excelsior Arboretum: \$15,000.

- Construction and surfacing of road.

Southwest Experiment Station, Lamberton: \$15,000.

- Construction of plot and research buildings.

No appropriations for North Central School of Agriculture and Experiment Station, Grand Rapids; West Central Experiment Station, Morris; and Northeast Experiment Station, Duluth.

APPROPRIATIONS

(continued from page 3)

This figure, \$1.2 million more than for the previous biennium, includes \$4.8 million from the counties in addition to the State funds. Specific appropriations were made for the Psychopathic Hospital, the Child Psychi-

atric Hospital, the Multiple Sclerosis Clinic and other special neurological problems, and the Rehabilitation Center.

The special research, service, and educational projects of the University throughout the State are supported by the special State appropriations. These

are summarized in the accompanying chart. They total \$7 million, compared to \$5.2 million for the last biennium.

The Regents estimated income of over \$45 million during the biennium from tuition and fees, general income, and departmental income, in addition to the legislative appropriations.

SPECIAL APPROPRIATIONS

Department	1965-1967	1963-1965
Institute of Agriculture		
Agricultural Extension Service	\$2,000,000	\$1,630,800
General agricultural research	1,620,000	1,270,000
Agricultural research at Rosemount	305,000	242,545
Tuition and transportation aids for students of agricultural schools	80,000	90,000
Potato Processing Research Laboratory	41,500	(*)
Soybean research	155,000	106,000
Maintenance of Southwest Agricultural Experiment Station, Lamberton	98,145	92,852
College of Veterinary Medicine		
Veterinary Diagnostic Laboratory	181,567	165,000
Livestock Sanitary Board—testing of poultry (a transfer of funds)	(44,000)	(88,000)
Institute of Technology		
Experiments in the beneficiation of manganiferous and low grade ores	160,000	155,000
Minnesota Geological Survey	120,000	115,000
Beneficiation of industrial minerals and nonferrous deposits	100,000	100,000
Experiments in the beneficiation of manganiferous and low grade ores and in the direct process beneficiation on ores of the Cuyuna Range	200,000	232,984
Graduate School		
General research	260,000	250,000
Medical and cancer research	220,000	190,000
Minnesota Institute of Research	77,000	74,000
School of Business Administration		
Business and economic research	70,000	90,000
Industrial relations education program	97,426	90,000
General Extension Division		
Training program in the prevention of crime and delinquency	39,000	38,500
College of Medical Sciences		
Psychiatric research fund	214,500	87,000
Training of laboratory aides	27,000	25,132
College of Education		
Institute of Child Development	105,000	77,371
Special education training and research program	102,973	92,299
Other		
Agricultural and Technical Institute, Crookston	210,000	
Special television study	150,000	
Matching funds for National Defense Education Act Loan Fund	234,776	
Paleontology Program for Minnesota	14,000	
Archeology Program for Minnesota	38,000	
Control of Aquatic Organisms	30,000	

* (previous appropriation of \$39,000 was made during 1961-1963 biennium)

University of Minnesota Calendar of Events

November 1-15, 1965

UNIVERSITY ARTISTS COURSE

Masterpiece Series

Northrop Auditorium, 8:30 p.m.

Monday, November 1—Royal Danish Ballet*

Wednesday, November 10—Helsinki Chorus and Orchestra

Celebrity Series

Northrop Auditorium, 8:30 p.m.

Saturday, November 13—Marcel Marceau, Pantomimist*

Special Concert Series

Northrop Auditorium, 8:30 p.m.

Tuesday, November 2—Royal Danish Ballet*

UNIVERSITY THEATRE PRODUCTIONS

Playwright's Premiere Series

Tuesday, November 2 through Saturday, November 6, 8:00 p.m., Sunday, November 7, 3:30 p.m.—*Cry Uncle* by Ernest Joselovitz: Ticket Prices are \$1.25 for shows on Sunday through Thursday; \$1.50 on Friday and Saturday

Scott Hall Auditorium Series

Thursday, November 4 through Saturday, November 6, and Tuesday, November 9 through Saturday, November 13, 8:00 p.m.; Tuesday, November 9 and Sunday, November 14, 3:30 p.m.—*Much Ado About Nothing* by William Shakespeare. Ticket Prices are \$ for shows on Sunday through Thursday; \$ on Friday and Saturday.

ADVENTURES IN MUSIC

The Minneapolis Symphony Orchestra and the University of Minnesota Concert Band Ensemble

Northrop Auditorium

Sunday, November 7—*Mikado* by Gilbert and Sullivan, 8:00 p.m. (Tickets \$2.50 and \$3.50)

Sunday, November 14—Festival of Marches, Frank Benneriscutto, Director, 4:00 p.m. (Tickets \$2.50, \$2.00 and \$1.50)

MUSIC DEPARTMENT PROGRAMS

(Open to the public without charge)

Sunday, November 7—Minneapolis Symphony Orchestra and the St. Paul Campus Chorus, "The Mikado," 4:00 p.m., Northrop Memorial Auditorium

Sunday, November 14—Concert Band, 4:00 p.m., Northrop Memorial Auditorium

MINNEAPOLIS SYMPHONY ORCHESTRA

Imperial Series

Northrop Auditorium, 8:30 p.m.

Friday, November 5—Mstislav Rostropovich, Violoncellist (Tickets \$2.75-\$5.00)

Friday, November 12—Judith Raskin, Soprano. (Tickets \$2.75-\$5.00)

CONVOCATIONS

(Open to the public without charge)

Wednesday, November 3—C. Northcote Parkinson, British satirist, author and Raffles Professor of History at the University of Malaya, 10:00 a.m., St. Paul Campus

Thursday, November 4—C. Northcote Parkinson, British satirist, author and Raffles Professor of History at the University of Malaya, 11:30 a.m., Northrop Memorial Auditorium

ATHLETIC DEPARTMENT EVENTS

Home Football Games

Memorial Stadium, 1:30 p.m.

Saturday, November 6—Northwestern. Tickets \$5.00. Over-the-counter sale opens Monday, the week of the game, in 109 Cooke Hall; Downtown Ticket Office in Cargill Bldg., Minneapolis; Field-Schlick's, St. Paul

Cross Country

(Open to the public without charge)

University Golf Course

Saturday, November 6—Gopher Federation Championships

Monday, November 8—Big Ten Meet

UNIVERSITY OF MINNESOTA TELEVISION HOUR

A Service of

The General Extension Division

Seen on Channel 2, KTCATV

Twin City Area Educational

Television Station

Mondays, 9:00 to 9:30 p.m.—The Singer, with Professor Roy A. Schuessler of the Department of Music

Mondays, 9:30 to 10:00 p.m.—World Affairs, with Professor Roy E. Carter, Jr., of the School of Journalism

Tuesdays, 9:00 to 10:00 p.m.—See South America, with Professor Cotton Mather of the Department of Geography

Wednesdays, 9:00 to 9:30 p.m.—Folio, with Arnold Walker of the Department of Radio and Television

Wednesdays, 9:30 to 10:00 p.m.—Journalism Around the World, with Mitchell V. Charney, Professor of Journalism

Thursdays, 9:00 to 9:30 p.m.—The Professions, with Professor Leonard Bart of the Speech and Theatre Department

Thursdays, 9:30 to 10:00 p.m.—Town and Country, with Professor Ray Wolf of the Institute of Agriculture

Fridays, 9:00 to 10:00 p.m.—The Human Comedy and Moliere, with Professor Armand Renaud of the Romance Languages Department

SIGNIFICANT UNIVERSITY BROADCASTS

KUOM, 770 on the dial

Minnesota Theatre of the Air

Saturday, November 6—"Juarez," the story of the ill-fated Emperor Maximilian and Empress Carlota, and the Mexican Indian who defeated them, 4:00 p.m.

Saturday, November 13—"The Forced Marriage," Moliere's savage satire on May and December matches, 4:00 p.m.

Public Affairs Forum

Monday through Friday, 1:30 p.m.—Lectures, discussions and talks from the University, the community, and KUOM's international sources

Classroom Lecture

Mondays, Wednesdays, Fridays, 11:00 a.m.—"Humanities in the Modern World," from the classroom of Professor Robert L. Scott, of the Department of Speech and Theatre Arts

A Matter of Morals

Wednesdays, 4:00 p.m.—New series by Elizabeth and Milburn Carlson, centers on ethics and integrity in human behavior

Ad Libitum

Tuesdays, 11:30 a.m.—Recorded music, a description of Twin Cities musical events and recent articles on musical topics, are presented by KUOM Music Director Russell Walsh

UNIVERSITY FILM SOCIETY

(Shown at the Museum of Natural History Auditorium)

Friday, November 5—"The Elusive Corporal," (France, 1961), 7:30 p.m. and 9:30 p.m.

Wednesday, November 10—Four films: "William Faulkner in Mississippi," "Theodore Roethke," "Ezra Pound," and "Yeats Country," 8:00 p.m.

Friday, November 12—"Good Soldier Schweik," (German, 1961), 7:30 p.m. and 9:30 p.m.

MINNESOTA MUSEUM OF NATURAL HISTORY

Sunday Afternoon Programs

Museum Auditorium, 3:00 p.m.

(Open to the public without charge)

Sunday, November 7—"The Restless Sea," color film.

Sunday, November 14—"Waterfowl and Their Habitat," Museum produced film.

ST. PAUL CAMPUS STUDENT CENTER

Galleries

Sunday 12:00 noon-11:00 p.m.

Monday through Saturday

8:00 a.m.-10:00 p.m.

Monday, November 1 through Wednesday, November 24—Effie Sheldon: Bornhoft Memorial Exhibit

* Reservations may be made at 105 Northrop Memorial Auditorium.

Tickets for these events are also available at Dayton's and Field-Schlick on Monday of the week prior to performance.

University of Minnesota Calendar of Events

November 16-30, 1965

UNIVERSITY ARTISTS COURSE

Special Concert Series

Northrop Auditorium, 8:30 p.m.

Wednesday, November 17—Robert Goulet Show, singer*

UNIVERSITY FILM SOCIETY

(Shown at the Museum of Natural History Auditorium)

Friday, November 19—"The Village Teacher," (USSR, 1947) at 8:30 p.m. and "Football," 7:30 p.m.

Wednesday, November 24—"Sky High," (USA, 1926 and "The Saga of William S. Hart," 7:30 p.m.

MINNESOTA MUSEUM OF NATURAL HISTORY

Sunday Afternoon Programs

3:00 p.m. Museum Auditorium

(Open to the public without charge)

Sunday, November 21—"Bald Eagle," produced by the National Audubon Society
Sunday, November 28—"The Red Lake Wilderness," produced by Donald K. Lewis

CONVOCATIONS

(Open to the public without charge)

Thursday, November 18—William Arrow-smith, Chairman of the Department of Classics at the University of Texas, 11:30 a.m., Northrop Memorial Auditorium

Wednesday, November 24—Student Assembly for Football Awards, 11:30 a.m., Coffman Memorial Union Main Ballroom

UNIVERSITY GALLERY EXHIBITIONS

Northrop Auditorium

8:30 a.m.-4:30 p.m.

Monday through Friday

Wednesday, October 27 through Sunday, November 21—Robert Motherwell, Collages, Drawings and Oils

* Reservations may be made at 105 Northrop Memorial Auditorium.

Tickets for these events are also available at Dayton's and Field-Schlick on Monday of the week prior to performance.

UNIVERSITY THEATRE PRODUCTIONS

Scott Hall Auditorium Series

Wednesday, November 24, Friday, November 26, Saturday, November 27 and Tuesday, November 30, 8:00 p.m. Tuesday, November 30, 3:30 p.m.—*He Who Gets Slapped* by Leonid Andreyev. Ticket prices are \$1.75 for shows on Sunday through Friday; \$2.00 on Saturday

Classic Series

Studio Theatre—Scott Hall

Thursday, November 18 through Saturday, November 20 and Tuesday, November 23 through Saturday, November 27, 8:00 p.m. Sunday, November 28, 3:30 p.m.—*Orestes* by Euripides. Ticket prices are \$1.25 for shows on Sunday through Friday; \$1.50 on Saturday

MINNEAPOLIS SYMPHONY ORCHESTRA

Imperial Series

Northrop Auditorium, 8:30 p.m.

Friday, November 19—Eugene Istomin, Pianist (Tickets \$2.75-\$5.00)

Friday, November 26—Robert Casadesu, Pianist (Tickets \$2.75-\$5.00)

ADVENTURES IN MUSIC

The Minneapolis Symphony Orchestra and the University of Minnesota Concert Band Ensemble

Sunday, November 21—Jack Jones, singer, 4:00 p.m. (Tickets \$4.00, \$3.00 and \$2.00)

MUSIC DEPARTMENT PROGRAMS

(Open to the public without charge)

Sunday, November 21—All-Girl Band, 8:30 p.m., Northrop Memorial Auditorium

Sunday, November 21—Student-Faculty Chamber Recital, 4:00 p.m., Mayo Auditorium

SIGNIFICANT UNIVERSITY BROADCASTS

KUOM, 770 on the dial

Minnesota Theatre of the Air

Saturday, November 20—"Liliom," Ferenc Molnar's poignant tale of deathless devotion, basis for the musical "Carousel," 4:00 p.m.

Saturday, November 27—"Rothschild's Fiddle," Anton Chekhov's parable of an embittered life redeemed by a final act of kindness, 4:00 p.m.

ST. PAUL CAMPUS STUDENT CENTER

Galleries

Monday, November 29 through Wednesday, December 29—Related Art Goes Creative with 3M

Monday, November 29 through Monday, January 3—Virginia Root Comstock, Acrylic and Collage

ATHLETIC DEPARTMENT EVENTS

Home Football Games

Memorial Stadium, 1:30 p.m.

Saturday, November 20—Wisconsin Tickets \$5.00. Over-the-counter sale opens Monday, the week of the game, in 109 Cooke Hall; Downtown Ticket Office in Cargill Bldg., Minneapolis; Field-Schlick's, St. Paul

Basketball

(Open to the public without charge)

Williams Arena, 8:00 p.m.

Tuesday, November 23—Varsity Preview

Hockey

Williams Arena, 8:00 p.m.

(Open to the public without charge)

Tuesday, November 16—Varsity Preview

Monday, November 22—Varsity vs Alumni

Wrestling

Williams Arena, 12:00 Noon

Saturday, November 27—Open Tournament. Tickets at gate only, \$1.00 for adults, 50¢ for children

THE MINNESOTAN

Department of University Relations

217 Morrill Hall

University of Minnesota

Minneapolis, Minnesota 55455

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THE MINNESOTAN

The University Staff Magazine - December 1965



The President's Page



photo by Alan Ominsky

The importance of international education has never before been so apparent. Poverty and illiteracy feed on each other. Wherever one exists, the other fattens. Since literacy is a necessary condition to development, a nation's educational and economic objectives can be expressed in almost identical terms. But neither problems nor objectives are readily confined within national boundaries. Nor should education be permitted to serve only economic ends. Education focused on national problems may feed national prejudices, intensify rivalries and kindle border disputes that could spread into general conflict. Higher education can help solve the problems that lead to malnutrition, and that breed the deadly twins: poverty and illiteracy. But unless, in doing so, it thinks and works internationally, it will lose a great opportunity, and may fail in its national objectives.

At the end of the summer, I spent several weeks in Chile and Brazil, discussing the problems of education and reviewing the progress of our Latin American programs. In both countries, poverty and illiteracy are at the root of all problems. It would not be easy to decide which is cause and which is consequence. They, however, explain the high rate of absenteeism and early drop-outs in the elementary schools. In some areas, few children attend school beyond the third grade, after which they are supposed to work; yet there is no clear evidence that they are either employable or productive at so early an age. And for those who do attend school, a major problem is the provision of teaching materials, that is, pencils, notebooks, and texts. The state normally provides no textbooks, and many parents are too poor to buy them. The teacher—often not educated beyond the level at which he teaches—may be required to teach a class which has no instructional material. Educational quality could be quickly affected if students were given the materials necessary for self help. To upgrade the teachers will take much longer.

Providing textbooks, a function we normally expect public sources to perform, is a critical and controversial question in these countries. It is not merely a matter of expense. There is a suspicion that a government which provided textbooks might use those textbooks as a propaganda instrument. For people who are still unsure of democracy, this anxiety is understandable.

Caution and tact are, of course, requisite for any success in meeting these problems. It is particularly important, I think, that when we have a chance to help meet them, we emphasize attempts at solutions which are realistically feasible and congenial to the local culture. Instead of mod-

eling an elementary and secondary curriculum on our own, for example, we should take account of their economy. If the average record of school attendance is less than six years, we should not emphasize a program aimed only at the college bound. Rather, the program should be so conceived as to insure as meaningful an educational experience as is possible within the expected six years. Some experiments with fourth grade vocational education have been made, with interesting results. Other experiments with vocational agriculture should also be tried simply because the population is largely rural and the needs are above all for improved nutrition.

International education is important because we need an orderly world. It is also important because the problems of science and the problems of people know no national boundaries. If we follow truth where it leads us, we will seldom be aware of the 49th degree north latitude, or of the Rio Grande River.

Meredith Wilson

On the Cover . . .

is the nine-foot statue of Daniel Greysolon, Sieur du Luth, which stands on a thirteen-foot granite column in Ordean Court on the Duluth Campus. See story on opposite page.

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The statue of Daniel Greysolon, Sieur du Luth, stands high over the unveiling ceremonies in the Ordean Court. The event received widespread coverage in Minnesota and also attracted the attention of media outside the area such as Time magazine and WGN-TV, Chicago.



Guests explore the Tweed Gallery after the dedication of the Alice Tweed Tuohy Room. The dedicatory exhibition contained more than 130 paintings.

photos by Alan Ominsky

Duluth Campus Hosts Two Art Events

Duluth and the University Unveil Statue of Voyageur

It was a brisk but sunny day. An air of electric excitement surrounded the crowd that gathered in the newly constructed Ordean Court on the campus of the University of Minnesota, Duluth. Attention was centered around two men. One was a short, pleasant-faced man with a blue beret cocked on his gray hair—the noted sculptor, Mr. Jacques Lipchitz. The other was his bronze “child,” Daniel Greysolon, Sieur du Luth, bulging under the canvas jacket that hid him from the anxious audience.

This was an important moment for the University of Minnesota and the citizens of Duluth. They were recipients of a major contribution to modern art. The culmination of two years’ work for Mr. Lipchitz and over 30 years planning by the trustees of Mr. Albert Ordean’s will were about to be realized.

When Mr. Albert L. Ordean, pioneer Duluth banker and civic leader, died in 1928, his will specified that a fund be created to provide a “fine, artistic, bronze statue” of Sieur du Luth, the French voyageur after whom Duluth, Minnesota, was named. The will further stated that the statue was “to be made by some sculptor of note” and that

(continued on page 4)

Alice Tweed Tuohy Room In Gallery Dedicated

With a snip of the scissors, the ribbon across the doorway of the new Alice Tweed Tuohy Room in the Tweed Gallery on the Duluth campus fell to the floor, officially opening the addition on November 5, 1965.

A walk through the Alice Tweed Tuohy Room reveals the warm, colorful paintings of artists such as Corot, Rousseau, Millet, and Renoir. The emphasis is on nineteenth century French and American painting, but the exhibit contains works by artists of many periods and nationalities.

The Tweed Gallery has been a source of pride for the University of Minnesota and the people of the Duluth area since Mrs. Alice Tweed Tuohy presented it to the University in 1950, a memorial to her late husband, Mr. George P. Tweed. At that time the gift was in the form of the Tweed home and The George P. Tweed Memorial Art Collection, rich in the works of the Barbizon painters. President J. L. Morrill then described it as the “most important single benefaction in the field of art ever presented to the University.” The first floor of the home was remodeled into several smaller galleries with significant paintings

(continued on page 5)



Mr. Lipchitz signs autographs for a couple of young admirers.

President Wilson and Mr. Lipchitz illustrate the high spirits of the day.

Eyes are on the statue as it is unveiled. Left to right are Mr. Emmons Collins, President Wilson, Provost Darland, Mayor George D. Johnson, and Mr. Lipchitz.



Statue

(continued from page 3)

the fund should provide "a suitable site and for the erection of such statue upon such site." In 1933, a fund for this purpose was established with the First American National Bank of Duluth as trustee.

In 1963, Mr. Lipchitz was commissioned to execute the work. His task was not easy. No pictures of *Sieur du Luth* were available. Therefore, Mr. Lipchitz decided to capture his spirit. "He will have the look of a builder, a man who looks at a place and says, 'This is where I want a city,'" Mr. Lipchitz said.

Now on November 5, 1965, the product of Mr. Ordean's wishes awaited the tug of the cord that would officially reveal him to the world. After brief remarks by Provost R. W. Darland, Mr. Lipchitz stepped to the statue and pulled the cord. He pulled it again, and again, but nothing happened. He turned to the audience, shrugged his shoulders, and smiled sheepishly. The physical plant crew rushed to his rescue and unveiled the statue while Mr. Lipchitz spoke.

Sieur du Luth is presented in a costume which is a mixture of American Indian and Louis XIV style with plumed hat, Indian jacket, sword, beard, and wearing a long wig of the nobility. He is truly the nobleman, soldier, frontier diplomat, explorer, voyageur, respected citizen, and gentleman.

Mr. Lipchitz spoke with warmth and simplicity, speaking of his statue as if it were alive. "I feel like a father who gives away his daughter—happy, but a little bit jealous, too."

Of his statue he said, "He knows that we were working together very hard in order to find a way to represent his dreams. I am happy to see him here in a place that reminds me a lot of my own country (Lithuania)."

Mr. Lipchitz noticed the students who were leaning over the railing above the Ordean Court. Earlier he had exclaimed, "Oh, they are like sparrows!" Now he said, "I am happy to see the young people. They don't know how lucky they are to be in this place. First, they are Americans, and then they are here."

His parting words were, "I would like to ask the people at the University to take good care of my child because I am a little heartbroken to leave him here."

In an interview, Mr. Lipchitz said he still considers himself a cubist. *Sieur du Luth*, who stands on a high granite pedestal in Ordean Court, however, is more solid and dimensional than his earlier nearly flat, angular structures. Mr. Lipchitz said, "Cubism depends on your point of view—your philosophy of life."

The statue is more than a magnificent piece of art, said President O. Meredith Wilson, who added, "This might be the most important event in the history of the University in years to come." Dr. John Walker, director of the National Gallery of Art in Washington in speaking about the statue at the Patrons and Subscribers Dinner, said, "I am sure it will become a pilgrimage site for those who wish to see what is really significant in the art of our time."

The bronze *Sieur du Luth* "marries" the University to the citizens of Duluth; it represents a striving together for a greater Northwest, President Wilson said.

Dedication

(continued from page 3)

from the sixteenth through the nineteenth centuries.

The community received the Gallery warmly and began to contribute to its growth. By 1958 an average of 8,000 persons per year was visiting the Gallery. The Gallery program soon outgrew its facilities. Mrs. Tuohy and her daughter, Mrs. Bernice Brickson, responded to the needs of the Gallery and made possible the building of the present Tweed Gallery in the Duluth campus Humanities Building.

Since 1958, more than 150,000 persons have visited the Gallery. Not only does the Gallery serve schools in Duluth, Northern Minnesota, Northern Wisconsin, Upper Michigan, and all campuses of the University, but also it is the center for a Workshop in Advanced Painting which draws prominent artists and students from across the nation.

Now with the addition of the Alice Tweed Tuohy Room, named after the gracious lady who made it possible, twenty major shows featuring the works of national artists, students, and faculty members can be scheduled annually.

From the very beginning, persons from the Duluth area financially supported the Tweed Gallery. In the summer of 1965, a drive to get official Patrons and Subscribers was

initiated. As a result, almost 600 persons presently support the Gallery.

The Patrons and Subscribers will have an important part to play in keeping the collection "alive." They will attend formal openings of shows in the Gallery and lectures on art. They will attend special dinners such as the first Patrons and Subscribers Dinner, which was held in honor of Mrs. Touhy when the Alice Tweed Tuohy Room was dedicated on November 5.

Mrs. Maggie Elliot, a Patron of the Tweed Gallery, said that she considers it a tremendous honor to be part of the Gallery program. "You become attached to this Gallery," she added. "It is a vital thing."

Dean Thomas W. Chamberlin of Duluth said of the Gallery, "I have seen it grow from infancy. The Alice Tweed Touhy Room adds warmth and depth. It is fortunate for the Duluth Campus to get something like this collection so early in its life."

The Tweed Gallery is the only art gallery in Northern Minnesota. Because of this the community as well as the University of Minnesota has a large stake in its progress. As long as the Patrons and Subscribers to the Gallery realize the importance of the gift from Mrs. Touhy and take pride in it, the Tweed Gallery will continue to grow as a vital cultural influence in the Duluth area, it is frequently said.



The new Alice Tweed Tuohy Room adds needed space to display the Gallery's permanent collection.

Mrs. Tuohy talks with Mr. Allan McNab of the Chicago Art Institute and his wife in front of Millet's painting, The Disappointed Hunter.

December, 1965



Mrs. Tuohy and President Wilson chat at the Patrons and Subscribers Dinner.



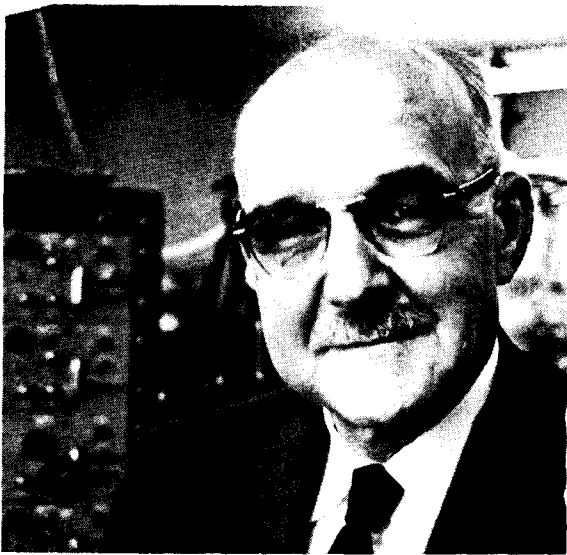


photo by Alan Ominsky

Dr. Maurice B. Visscher, Distinguished Service Professor and Chairman of the Department of Physiology, is renowned for his work in cardiovascular physiology and in the control of cancer. His research in cardiac energy metabolism played a fundamental role in the development of modern techniques of cardiovascular surgery. Elected to the American Academy of Arts and Sciences in 1964, he has been a dynamic leader in professional organizations and an active worker for improved scientific and medical education and for exchange of scientific information on a worldwide basis. He recently was elected president of the National Society for Medical Research. As an educator, a researcher, and a statesman of science, he has lived up to his own definition of "the complete scientific scholar."

Professor of Economics Leonid Hurwicz, who was elected to the American Academy of Arts and Sciences this year, has broad experience in economics and mathematical research and in consulting activities. He has been engaged in research on the competitive market process for over a decade, and is a specialist in the "games" theory, a system of analyzing a problem by taking into account relative strengths and weaknesses, past performances, and other factors. He has been a consultant to the Rand Corporation since 1947 and the Cowles Commission since 1949. While on sabbatical leave for 1965-1966, Dr. Hurwicz is teaching at the University of Bangalore in India.



Photo by Minneapolis Star & Tribune



When America's natural rubber supplies were cut off during World War II, **Professor Emeritus Izaak M. Kolthoff** did key research toward developing a synthetic substitute. One of the world's foremost analytical chemists, he is known for his pioneering work in instruments such as the polarograph, and his studies of precipitates. The University of Chicago, which awarded him an honorary degree in 1954, cited him for "leadership in turning the path of analytical chemistry from the refinement of technique to inquiry and exploration." He has vigorously supported the strengthening of fundamental research. Professor Kolthoff served as Chief of the Division of Analytical Chemistry from 1927 until his retirement in 1962. He was elected to the American Academy of Arts and Sciences in 1960.

Because of his systematic search for "white dwarfs," dying stars that are growing smaller and more dense, **Dr. Willem J. Luyten**, Professor and Chairman of the Astronomy Department, has been called a "stellar mortician." Professor Luyten, who was elected to the American Academy of Arts and Sciences in 1925, and his associates have discovered 80 per cent of the more than 500 known "white dwarf" stars. An internationally known astronomer, he has detected and measured the movement of 140,000 stars during more than 40 years of research. His work gives insight into the evolutionary pattern of the universe and the possible future of our own solar system.

WE

The Members of the American Academy of Arts and Sciences



photo by Alan Ominsky

Known as "famine's worst enemy" because of his discoveries in the control of rust and other plant diseases and in the development of disease-resistant wheat and other grains, **Professor Emeritus Elvin C. Stakman** has been credited with saving world wheat production from disaster. Since his election to the American Academy of Arts and Sciences in the 1920's, his agricultural research has become important in medical and biological studies as well. A faculty member since 1909, he was Head of the Department of Plant Pathology and Botany from 1940 until his retirement in 1953. He now serves as an agricultural consultant to the Rockefeller Foundation.



Elected to the American Academy of Arts and Sciences this year, **Professor Paul E. Meehl** has specialized in clinical psychology, personality testing, and learning and psychological theory. He is co-author of **An Atlas for the Clinical Use of the Minnesota Multiphasic Personality Inventory**. In presenting him with a Distinguished Scientific Contribution Award in 1958, the American Psychological Association praised him for "imaginative and incisive investigations ranging over the fields of learning theory, clinical psychology, personality theory, and the philosophy of science; for sophisticated and rigorous synthesis of these many domains of knowledge fundamental to a scientific psychology."

Elected this year to the American Academy of Arts and Letters as well as to the American Academy of Arts and Sciences, **Professor of English Allen Tate** is keenly aware of the responsibilities of the man of letters. Respected as poet, critic, novelist, and teacher, he has received national and international awards, and is known for his generous help to other writers. T. S. Eliot said of him, "Allen Tate's eminence consists in . . . his uncommon combination of excellences." Professor Tate is working on a long poem in terza rima, the difficult stanza used by Dante in **The Divine Comedy**.

December, 1965



photo by Alan Ominsky



The Chaplain on Campus

By The Reverend George G. Garrelts

The Reverend George G. Garrelts is Director of the Newman Center, one of the twenty-six religious centers on the Minneapolis Campus, and Chaplain to Catholic students and staff members.

The chaplain on campus, the "religious advisor" as he is euphemistically called, is a witness to ultimate questions and ultimate answers. He is concerned with meaning—beginning, middle and end meaning. Are students and faculty responsible to any person other than their colleagues, their superiors, the police, themselves? Is there a future beyond the grave and does the life they are now leading have any connection with that future? Chaplains on campus answer these questions differently, but we all think they are valid questions with valid answers.

The chaplain on campus is concerned with worship and with persuading students and faculty to perfect their worship and their role as worshippers. We think the praise of God is the nourishment of men, and we think that all students and faculty will worship, if not in the way the chaplain is oriented, then in some way. Chaplains are convinced that worship and service go well together, just as they are convinced that the pursuit of meaning beyond the physical goes very well with investigation of the physical order. In both instances there is a fulfillment by way of this complement of pursuits that is highly desirable and attractive in both faculty and students.

In the days ahead the calm investigation of religious meaning and religious worship will become much more an "easy" possibility for students and faculty on the secular campus. The old fears are dying in the religious community outside of the University and

many are discerning much more clearly what is the unique work of religion and the campus chaplain on the secular campus. For a long time that work was thought to be primarily "social" and "organizational." But gradually the religious community, the campus community, and the chaplains themselves are discerning that the campus chaplain must be a witness to the divine meaning he represents concerning God, Man, the Universe. The campus chaplains' three main concerns for all are a commitment to the pursuit of meaning, to worship and to service. We do not expect the government or the University to legislate about love, worship or revelation. But we can expect the campus chaplain and his center or work to be centered around revelation, worship and service.

The chaplains at the University of Minnesota and their associates (Baptist, Methodist, Anglican, Catholic, Jewish, etc.) meet regularly to discuss their problems and plan their programs within a group called The Council of Religious Advisors. These men and women want the students who associate with them to enter fully into the life of the University. Most of them will tell you that no student is of service to religion unless he is first a student, a successful one. These chaplains hope their students will be educated believers—educated by the University and educated in their own theological tradition and background.

We are pleased whenever a faculty member or a student takes the time to

know us and at least be sympathetic to our program or take part in our worship. In a sense the chaplain has come late to the University scene, and he has come uneasily, either because of his own misunderstandings or the mishandling of affairs by others inside or outside of the academic community. Some religiously committed people in tax-supported school situations have the idea that they can speak as loosely about the University and its faculty and administration as downtown quarterbacks used to speak about football coaches. One still hears that the University is full of communists or atheists if one gets into primitive theological territory. But tensions are easing. The chaplain wants to discuss religious and metaphysical meaning with students and faculty. He wants to sponsor programs that will be of service to the University and to the religious and moral development of all comers.

The Anglicans have a chapel on campus, as do the Lutherans, Baptists, Presbyterians, Catholics, Jews, Methodists and the Missouri Synod Lutherans. Other groups such as the Buddhists, Mormons, Christian Scientists, and Greek Orthodox worship in facilities they find, borrow, or rent. All of the chaplains now active hope to live to see an inter-faith center and chapel rise up on the West Bank where their unity of purpose will be made more manifest.

What response do chaplains on campus expect from students, faculty, staff,

(continued on page 10)

Holiday Plants

Brighten Up

Winter Scene

Tips on Care of These Special Plants

During the holidays when attention centers on decorative ornaments, a blossoming holiday plant can be a colorful addition to any household. As other plant life fades, these plants just begin to bloom, around the first of December. Dr. Gustav Hard, Extension horticulturist at the University, offers these suggestions on how to keep holiday plants blooming longer.

Poinsettia. The plant most characteristic of the holidays, the poinsettia, has been called "the radiant flower of Christmas" because of its flaming star-shaped blossoms. Actually these crimson fingers are not flowers but leaves. One word of advice about this sensitive plant—don't expose it to sudden drops in temperature or drafts. About 70° to 75° is preferable. Temperatures below 60° or above 75° shorten its life. Also, do not set it near a window at night. Keep the soil in the pot moist but be careful not to overwater.

Azalea. Water this plant abundantly. It wouldn't hurt to set the pot in a

dish of water and give it an acid fertilizer every six weeks. When the flowers fade, remove them and keep the plant in a warm, moist place.

Holly. There are as many legends about holly as berries on a wreath of it. It was once believed that fairies found shelter in the leaves and blessed the homes with protection from evil. Ancients attributed other mystical powers to it—the power to repel lightning, freeze water and cast spells on animals. The holly plant lasts best in moist, cool (not cold) surroundings.

Cyclamen. The flower of this plant has curved petals and a crimson eye. The cyclamen should be kept in a cool but not drafty place. To give it the necessary moisture, set the plant in a dish of water. With care, it may bloom again.

Begonia. Some species of the Christmas Begonia have a brilliant red undersurface. These plants are native to South America and the East and West

Indies. Keep the begonia rather dry but in a moist atmosphere. Give it sunlight but don't let it get too warm. To make the begonia bloom again, cut it down to within two inches of the soil when it has stopped blooming and place it in a shady spot, watering only occasionally.

Christmas Cactus. This prickly plant with delicate pink flowers grows year after year, always blooming at Christmas time. It grows on the trunks and branches of trees like the mistletoe but is not a parasite. While the cactus is blooming, it needs sunshine but not too much water. At night, it should be kept in a cool place. When the Christmas Cactus stops blooming, keep it in a window where there is no sunshine.

Jerusalem Cherry. This ornamental plant with tiny flowers and bright red berries was introduced into England from Madeira around the sixteenth century. Keep this plant rather cool, water it moderately, and give it lots of sunshine.



Mr. Brad Gregory, gardener for the Botany greenhouse on the Minneapolis Campus, looks over a pot of English holly. On the left is an azalea. In the foreground is a poinsettia.



Mr. Hudson Walker receives the Outstanding Achievement Award from President Wilson.

University Awards Presented the Outstanding Achievement Awards to . . .

Mr. Hudson D. Walker and Mr. Robert G. Fuller at the annual meeting of the College of Liberal Arts and University College Alumni Association on November 4, 1965.

Mr. Walker, presently in business in New York, is a trustee of the T. B. Walker Foundation, Minneapolis, and a noted art collector. Mr. Fuller is Senior Vice President of the First National Bank of New York.

Chaplain

(continued from page 8)

or administration? First of all, we would like to feel as welcome as any other member of the staff of the University—perhaps a little more since our work is at no charge to the University.

We are grateful for the fact that the Dean of Students office takes our work seriously and provides us with leadership in the form of a Religious Coordinator. This one, Dr. Henry Allen, has done yeoman service for us and the work of the campus chaplain. We are grateful for the leadership provided by the University in orientation programs and in the Panel of Americans program. We are grateful for the University leadership in the Theological Lectureship Program and the continuing discussions about the prospect

Publications of Staff Members

Dr. Harold B. Allen, Professor of English. *Teaching English as a Second Language*. McGraw-Hill.

Dr. Rutherford Aris, Professor of Chemical Engineering. *Introduction to the Analysis of Chemical Reactors*. Prentice-Hall.

Dr. Ralph F. Berdie, Director of the Student Counseling Bureau, and Dr. Albert B. Hood, Associate Professor, Student Counseling Bureau. *Decisions for Tomorrow: Plans of High School Seniors for After Graduation*. University of Minnesota Press.

Dr. Gordon B. Davis, Associate Professor and Director of Accounting, *An Introduction to Electronic Computers*. McGraw-Hill.

Dr. Edwin Emery, Professor of Journalism, *The Story of America*. Simon and Schuster.

Dr. Edward Gross, Professor of Social and Industrial Relations, *Industry and Social Life*. Wm. C. Brown Co.

Dr. Olga Lakela, Professor Emeritus of Biology, Duluth. *A Flora of Northwestern Minnesota*. University of Minnesota Press.

Dr. Allen Nussbaum, Associate Professor of Electrical Engineering. *Electromagnetic Theory for Engineers and Scientists*. Prentice-Hall.

Dr. George Rapp Jr., Associate Professor of Mineralogy, and Richard L. Bartels, Instructor in Mineralogy (editorial assistant), and Willard L. Roberts, Research Associate in Mineralogy at the South Dakota School of Mines and Technology, *Mineralogy of the Black Hills*. Bulletin No. 18 in a monograph series of the South Dakota School of Mines and Technology.

Dr. Miles A. Tinker, Professor Emeritus of Psychology, *Bases for Effective Reading*. University of Minnesota Press.

Friends of Professor Allen Tate will be glad to know of *The Burden of Time*, John L. Stewart. Princeton University Press.

and development of academic theology within the University.

So the campus chaplain is occupied with his attempt to meet and to serve the University as a chaplain. He counsels quite a bit concerning studies, marriage, dating, and parents. Alone and together campus chaplains spend quite a bit of time on scheduling speakers, events, and general programming. We spend some time raising money to support ourselves and our programs and some time associating on provincial and national levels with other chaplains and students. But we like to think, we campus chaplains, that we are on our way towards becoming a part of the University, and we are anxious to be of service to anyone connected with the University in those areas where we have some competence—theology, worship and service.



Proud winner of the Women's Staff Golf League Championship for 1965 is Lucile Gaetke, kitchen supervisor of the Campus Club. A golf enthusiast for fifteen years, she has played in the University League for four years and boasts a seven handicap.

University of Minnesota Calendar of Events

December 1-15, 1965

MINNEAPOLIS SYMPHONY ORCHESTRA

Friday Evening Concerts

Stanislaw Skrowaczewski, Music Director, conducting
Northrop Auditorium, 8:30 p.m.

Friday, December 3—David Oistrakh, violinist. Tickets \$3.00-\$6.00

Friday, December 10—Haydn's "Lord Nelson Mass," University of Minnesota Chorus; soloists. Tickets \$2.75-\$5.00

Sunday Concert Series

Northrop Auditorium, 4:00 p.m.

Sunday, December 12—Skitch Henderson presents music of Richard Rodgers. Tickets \$2.00-\$4.00

MUSIC DEPARTMENT PROGRAMS

Coffman Ballroom

(Open to the public without charge)

Friday, December 3—"Christmas Bonanza," Resident Oratorio Choir, University Chorus, University Chamber Singers, Women's Glee Club, University Orchestra, Men's Glee Club, University Band, 11:30 a.m.

Monday, December 6—"The Messiah," Resident Oratorio Choir and University Chorus, 11:30 a.m. and 12:30 p.m.

UNIVERSITY THEATRE PRODUCTION

Scott Hall Auditorium Series

Wednesday, December 1 through Saturday, December 4, 8:00 p.m. Sunday, December 5, 3:30 p.m. *He Who Gets Slapped* by Leonid Andreyev (Tickets are \$1.75 for shows on Sunday through Friday; \$2.00 on Saturday)

ART EXHIBITIONS

University Gallery

Northrop Auditorium

8:30 a.m.-4:30 p.m.

Monday through Friday

Thursday, November 4 through Sunday, December 19—Ione and Hudson D. Walker Collection

Wednesday, December 1 through Sunday, December 19—J. H. Lartigue, photographs

St. Paul Campus Student Center

Galleries

Sunday 12:00 noon-11:00 p.m.

Monday through Saturday

8:00 a.m.-10:00 p.m.

Monday, November 29 through Wednesday, December 29—Related Art Goes Creative with 3M

Monday, November 29 through Monday, January 3—Virginia Root Comstock, Acrylic and Collage

UNIVERSITY FILM SOCIETY

Shown at the Museum of Natural History Auditorium

Wednesday, December 1—"The Trial," directed by Orson Welles (1962), 8 p.m.

Friday, December 3—"Treasure of Sierra Madre," directed by John Huston (USA, 1948) plus second film to be announced, 7:30 p.m.

ATHLETIC DEPARTMENT EVENTS

Home Basketball Games

Williams Arena, 8:00 p.m.

Wednesday, December 1—North Dakota

Saturday, December 4—Iowa State University.

Tuesday, December 7—Drake University (Reserved seats \$2.00; General admission \$1.50. Over-the-counter sale opens Monday before each game at Cooke Hall, Downtown Ticket Office, 158 Cargill Building, Minneapolis, and Field-Schlick's, St. Paul)

Home Hockey Games

Williams Arena

Friday, December 3—Michigan Tech—8:00 p.m.

Saturday, December 4—Michigan Tech—2:00 p.m. (Reserved seats \$2.00; General admission \$1.50. Over-the-counter sale opens Monday before each game at Cooke Hall, Downtown Ticket Office, 158 Cargill Building, Minneapolis, and Field-Schlick's, St. Paul)

Wrestling

Williams Arena, 9:30 p.m.

following basketball game

Wednesday, December 1—North Dakota (Tickets at gate only, \$1.00)

Swimming

Cooke Hall

Thursday, December 2 and Friday, December 3, Water Show, 7:30 p.m. (Tickets, \$1.25)

Saturday, December 4—Minnesota Time Trials, 9:00 a.m. (Open to the public without charge)

MINNESOTA MUSEUM OF NATURAL HISTORY

Sunday Programs

Museum Auditorium, 3:00 p.m.

(Open to the public without charge.)

Sunday, December 5—"Building of a U.S. National Museum Exhibit," color sound film

Sunday, December 12—An African Birding Safari by Mr. and Mrs. Whitney Eastman

SIGNIFICANT UNIVERSITY BROADCASTS

A Service of the General Extension Division

Radio

KUOM, 770 on the dial

Music Special

11:15 a.m.

Music for silent films by major 20th century composers will be broadcast on KUOM in December. Performances were recorded at the Vienna Music Festival, accompanying film showings, by the Orchestra of the West German Radio conducted by Friedrich Cerha

Thursday, December 2—Eric Satie: "Jack in the Box," (1899); Artur Honegger: Music for "Napoleon," (1927); Darius Milhaud: Music for "La Petite Lillie," (1929) film by Cavalcanit

Thursday, December 9—Darius Milhaud: "Actualites," (1928) news film; Eric Satie: "Relache"; George Antheil: "Ballet Mechanique," (1924) film by Leger and Dudley Murphy

Minnesota Theatre of the Air

Saturday, December 4—"The Million Pound Bank Note," Mark Twain, 4:00 p.m.

Saturday, December 11—"The Necklace," Guy de Maupassant, 4:00 p.m.

University Television Hour

Channel 2, KTCATV

Mondays, 9:00 to 9:30 p.m.—The Singer, with Professor Roy A. Schuessler of the Department of Music

Monday, December 6, 9:30 to 10:00 p.m.—World Affairs series on Chile with Professor Roy E. Carter, Jr., of the School of Journalism

Mondays, beginning December 13, 9:30 to 10:00 p.m. New World Affairs series on Dollar Diplomacy

Tuesdays, beginning December 7, 9:00 to 10:00 p.m. Skiing with Cy Smythe, Associate Professor of Labor Economics and Business Administration, and professional ski instructor. A series of five one-hour programs

Wednesdays, 9:00 to 9:30 p.m.—Folio, with Arnold Walker of the Department of Radio and Television

Wednesdays, 9:30 to 10:00 p.m.—Journalism Around the World, with Mitchell V. Charnley, Professor of Journalism

Thursdays, 9:00 to 9:30 p.m.—The Professions, with Professor Leonard Bart of the Speech and Theatre Department

Thursdays, 9:30 to 10:00 p.m.—Town and Country, with Professor Ray Wolf of the Institute of Agriculture

Fridays, 9:00 to 10:00 p.m.—The Human Comedy and Moliere, with Professor Armand Renaud of the Romance Languages Department (Concludes December 17)

University of Minnesota Calendar of Events

December 16-31, 1965

MINNEAPOLIS SYMPHONY ORCHESTRA

Friday Evening Concerts

*Stanislaw Skrowaczewski, Music Director
Northrop Auditorium, 8:30 p.m.*

Friday, December 17—Hermann Scherchen, guest conductor. Tickets \$2.75-\$5.00

Thursday, December 30—Russell Stanger, conducting; Andre Watts, pianist. Tickets \$2.75-\$5.00

UNIVERSITY ARTISTS COURSE

Northrop Auditorium, 4:00 p.m.

Sunday, December 19—"The Nutcracker Fantasy," Minneapolis Symphony Orchestra, Children's Dance Theatre of the Contemporary Dance Playhouse, with Bob Dehaven narrating*

COMMENCEMENT

Northrop Auditorium, 8:00 p.m.

Saturday, December 18—Speaker, President Howard R. Bowen of the University of Iowa, Iowa City, "On Living in a Revolution"

UNIVERSITY FILM SOCIETY

(Shown at the Museum of Natural History Auditorium)

Friday, December 17—"Left-handed Gun," Arthur Penn (1961) plus surprise feature, 7:00 p.m.

ATHLETIC DEPARTMENT EVENTS

Home Basketball Games

Williams Arena, 8:00 p.m.

Saturday, December 18—Creighton University. (Reserved seats \$2.00; General admission \$1.50. Over-the-counter sale opens Monday before each game at Cooke Hall, Downtown Ticket Office, 158 Cargill Building, Minneapolis, and Field Schlick's, St. Paul.)

Home Hockey Games

Williams Arena, 2:00 p.m.

Saturday, December 18—University of Wisconsin (Reserved seats \$2.00; General admission \$1.50. Over-the-counter sale opens Monday before each game at Cooke Hall, Downtown Ticket Office, 158 Cargill Building, Minneapolis, and Field Schlick's, St. Paul.)

Gymnastics

Cooke Hall, 2:00 p.m.

Saturday, December 18—Mankato State College (Tickets at gate only, \$1.00)

MINNESOTA MUSEUM OF NATURAL HISTORY

Sunday Programs

Museum Auditorium, 3:00 p.m.

(Open to the public without charge)

Sunday, December 19—Alaska Brown Bear and Its Future by Dr. Albert W. Erickson

SIGNIFICANT UNIVERSITY BROADCASTS

A Service of the General Extension Division

Radio

KUOM, 770 on the dial

Christmas Music Festival

2:30 p.m.

Monday, December 20—Britten: A Ceremony of Carols; Schutz: Christmas Oratorio

Tuesday, December 21—Bach: Magnificat in D Major; Respighi: Laud to the Nativity

Wednesday, December 22—Tchaikovsky: The Nutcracker Suite

Thursday, December 23—Jolivet: Pastorales de Noel; Berlioz: L'Enfance du Christ, Part I

Friday, December 24—Berlioz: L'Enfance du Christ, Part II

Minnesota Theatre of the Air

Saturday, December 18—"The Land of Heart's Desire," William Butler Yeats, 4:00 p.m.

Saturday, December 25—"The Second Shepherd's Play," mediaeval Townley cycle, 4:00 p.m.

University Television Hour

Channel 2, KTCA-TV

Friday, December 24, 9:00 to 10:00 p.m.—"Music of the Season for Male Chorus," The University of Minnesota Men's Glee Club. Director, Johannes Dahle of the Department of Music

* Reservations may be made at 105 Northrop Memorial Auditorium.

Tickets for these events are also available at Dayton's and Field-Schlick on Monday of the week prior to performance.

THE MINNESOTAN

Department of University Relations
217 Morrill Hall

University of Minnesota
Minneapolis, Minnesota 55455

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THE MINNESOTAN

The University Staff Magazine - January 1966



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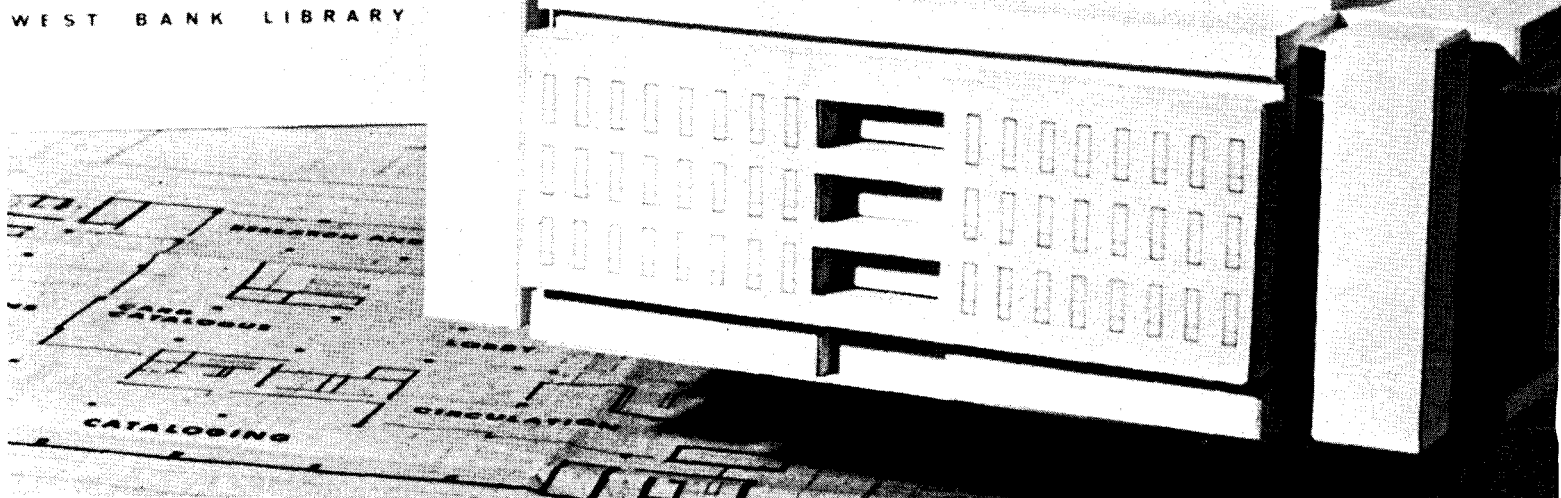




photo by Alan Ominsky

The President's Page

Last month's reflections on educational needs in South America lead naturally to a consideration of the University's efforts in international education. The scope of this involvement is worth remarking.

One group of activities in international education is well publicized and is what we may call the overseas component of international programs. It includes the various student exchange programs. As University students study in Europe and Asia for a year, and as foreign students spend time studying and living in the United States, the public sees and hears much about educational contact across the borders of nations. Similarly, faculty overseas activity under Fulbright and Guggenheim grants receives wide publicity. Another activity within this group is the overseas institutional help furnished under various contracts through the AID program. The policy of this University has been in every case to accept only such contracts as can be fulfilled with University personnel who will return to the University community at the close of their overseas commitment and enrich the international component on the campus. An important part of this total international involvement has been the pure technical assistance programs as exemplified by agricultural extension work.

But another group of the University's activities in international education, while less often publicized, is fully as important. It is the component of international activities taking place year by year on the campus. It includes the instruction and research in almost every college and almost every curriculum in which part of the subject matter is international in scope and emphasis. As long as the University has existed, it has been inevitable that teaching and research in literature should include the study of literatures

from beyond our borders: in economics, that of economic systems and theories from around the world; in history, that of the histories of every land and culture. This part of international education involves far more people than the first.

As most of you know, the University has an established Office of International Programs. This Office, under the direction of Dean Willard W. Cochrane, is constantly exploring the prudent and efficient involvement of this University in international considerations. With the aid of foundation grants, the Office seeks to strengthen the study of international subject matter on the campus through faculty expansion and research. It also seeks new lines of activity that may be developed in international education. Seminars are being organized. Teams of researchers are tackling multi-disciplinary problems hitherto beyond the attention of faculty members in their separate disciplines.

With a view to the overseas activities, the University is taking an earnest look at the problems created when regular University staff undertake increased activities under the expanded international interest. The problem of securing funding external to the normal state support is basic. In this connection the University is deeply interested in the fate of the McGovern bill, which, if passed, will provide supplementary funding to replace University staff temporarily engaged in overseas work or expanded on-campus work in international programs, and also be an important step toward sustained funding of projects in undeveloped countries. Successful passage of the bill would be a giant stride in alleviating difficulties associated with building a program in international education with short-term funds.

The challenges of improved international education are as exciting as they are essential. They deserve the attention of us all.

Meredith Wilson

On the cover . . .

is the new West Bank Library scheduled to be completed by approximately the summer of 1968. See story on page 10.

VOL. XVI THE MINNESOTAN No. 4

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William L. Nunn, Director

William T. Harris, Jr., Assistant Director

Carolyn M. Bloese Editor

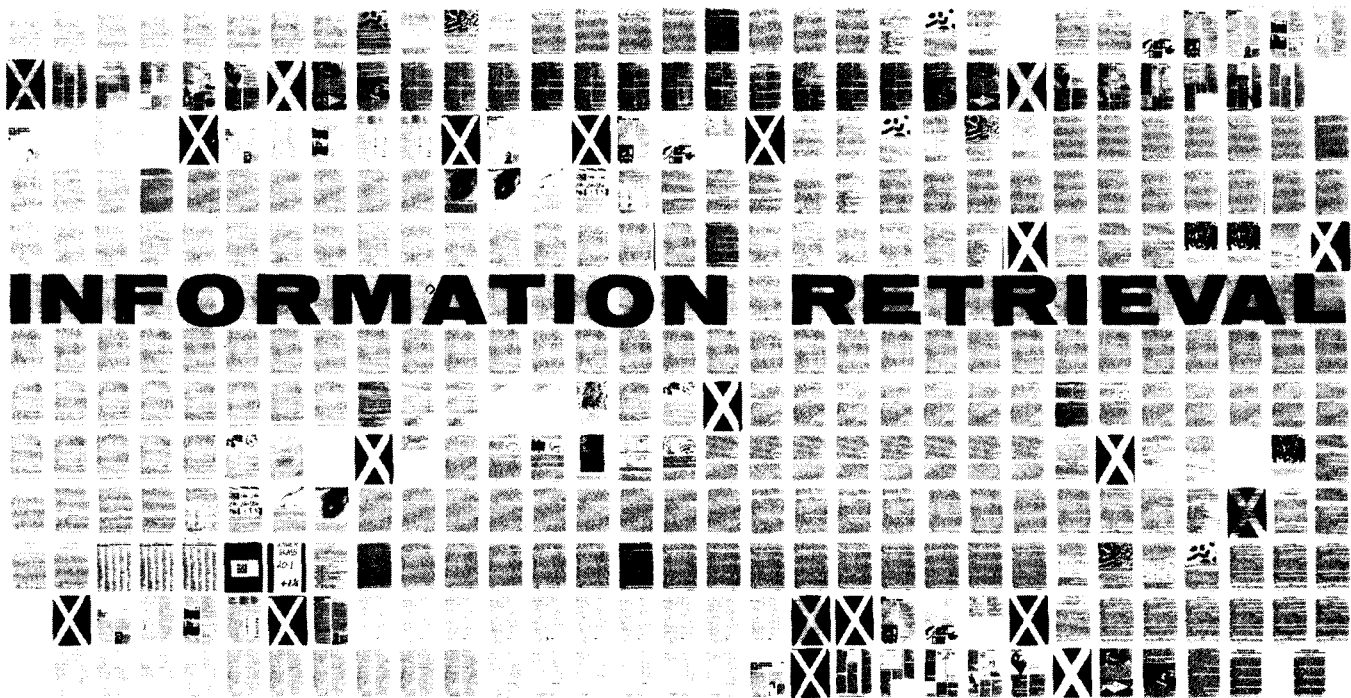
Julie Henricksson Editorial Assistant

Advisory Committee: Members of the University Public Information Council

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Photographs, unless otherwise credited, were taken by members of the University Photographic Laboratory. Cover photo by Alan Ominsky.

Second class postage paid at Minneapolis, Minnesota.



The film reproduced above contains over 400 pages, approximately the size of a novel. This film actually contains pages of articles about diabetes.

Below is a sample unit document card with the copy that can be produced from it. In the background is a microfilm reader-printer which prints out full-size copy from the film in the card.



Project Seeks Remedy To Research Bottleneck

photos by Alan Ominsky

"Because about 80 per cent of all the scientists who have ever lived on this earth are alive today, the information explosion in the last decade or two is tremendous," Dr. Arnold Lazarow, head of the University's Anatomy Department, stated.

The reports and articles in Dr. Lazarow's own field of diabetes make up about two per cent of the world's medical literature. Dr. Lazarow indicated the enormity of this amount when he said, "Even in the field of diabetes, the number of journals and articles written doubles every ten years, and it has for the past several decades. If I read eight hours a day, five days a week, 48 weeks a year, it would take me up to forty years to read what has been published just in the past year in biology and medicine."

One of the biggest headaches in research is locating the articles and picking out the pertinent data from them. The solution may lie in Dr. Lazarow's project which he calls "information retrieval" that makes use of computers

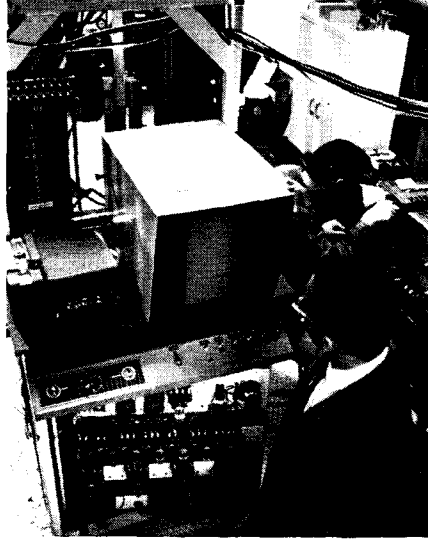
and microfilm at the University of Minnesota.

The individual researcher is interested in five to ten per cent of what has been written in his field, Dr. Lazarow said. At this point, he has the problem of finding the five to ten per cent that he wants. This could take weeks, months, or even years. Using the information retrieval system, it would probably take a few hours to locate the articles, and the work would be done primarily by the computer, not the researcher.

The information retrieval system as envisioned for diabetes would work at three levels of complexity. The first level, which is in operation now, involves a general classification of all articles pertinent to specialty groups, for instance, the American Diabetes Association.

The second-level retrieval system adds to the first an element of critical analysis. An analysis of the subject content of each article is prepared, in-

(continued on page 4)



The machine above is an alternate to the unit document card. This device would contain the total literature of a field and project selected pages onto the screen upon command of the computer.

Project

(continued from page 3)

cluding such detail as the type of data, which helps the researcher determine the significance of the article.

The third-level retrieval system is designed for the specific needs of the individual research investigator or for a small research team. This level adds even more detail than the second. The entire text of the article is fed into the computer. This would allow a researcher to retrieve articles that relate

to a specific strain, species, and so on. This is the level currently being developed at Minnesota.

In the third-level system, the researcher feeds into the computer key words which indicate the type of information he is looking for. The computer responds with a list of pertinent articles flashed onto a television screen on the researcher's desk. The researcher can then have delivered to him from this list a personal file of aperture cards. These are the size of IBM cards and contain the author's summary and a piece of microfilm from which the complete article can be reproduced. The time when this third-level system comes into operation is not far away—

perhaps as soon as 1967.

The project, which began in 1962 with funds provided by the National Institute for Arthritis and Metabolic Diseases, involves three universities—Rochester, Western Reserve, and Minnesota. "This project brings together a variety of talents—all within the framework of a given department—to do something that no one person has the ability to do," Dr. Larazow said.

Those predominantly involved at Minnesota include Messrs. Elmo Brekhus, Donald Norris, John Wolter, Joe Weiler, Arnold Schultz, Burchell Pierce, Dr. Katherine Goodman, Mrs. Mary Mueller, Miss Julia Morrison, and Mrs. Evelyn Connor.

•
Mr. Elmo Brekhus, Project Director, and Dr. Arnold Lazarow examine a unit document card.
•



Midwest Universities Help Run Argonne Laboratory

Minnesota is one of the twenty-six Midwest universities which recently formed a corporation to participate in the management of the Argonne National Laboratory near Chicago.

The corporation, Argonne Universities Association, Inc. (AUA), will have the initial responsibility of negotiating a tri-partite agreement with the Atomic Energy Commission and the University of Chicago for operations of the laboratory.

One of the first things that the Trustees of the Argonne Laboratory did was to elect Professor John H. Williams, University of Minnesota physicist, as President. This announcement was made by President Fred H. Harrington, President of the University of Wisconsin and Chairman of the AUA

Board of Trustees.

Under the new management plan, AUA will formulate, approve, and review the policies and programs to be carried out at Argonne. The University of Chicago will continue to operate the laboratory, but under the policies established by AUA.

The laboratory, financed by the AEC at approximately \$90 million per year, has the general responsibility for research in the sciences related to atomic energy and nuclear technology.

Membership in AUA includes the universities of Arizona, Chicago, Cincinnati, Illinois, Indiana, Iowa State, Iowa, Kansas State, Kansas, Loyola, Marquette, Michigan State, Michigan, Minnesota, Missouri, Northwestern, Notre Dame, Ohio State, Purdue, St.

Louis, Washington, Wayne State, and Wisconsin, and the Carnegie, Case, and Illinois Institute of Technology.

Vice President for Business Administration Laurence R. Lunden, University of Minnesota, is a trustee of the new corporation. He is also on the Executive Committee for Argonne National Laboratory Affairs.

Professor Williams has been at the University of Minnesota since 1933. In recognition of all that he had done, in 1958 he became Director of the Atomic Energy Commission Research Division and in 1959 was appointed by President Eisenhower a member of the Commission itself. He returned to the University in 1960 and continues to serve on the AEC's General Advisory Commission.

THE ROSE CASE

Brings Significant Results

The courage of one professor, and the support of his colleagues, has just helped to write a new chapter in the history of academic freedom at the University of Minnesota, and elsewhere—one that might be called “Freedom from Character Assassination.”

On November 23, 1965, the verdict was announced that awarded sociology Professor Arnold Rose \$20,000 in general and punitive damages in his libel suit against Miss Gerda Koch and her Christian Research, Inc. Professor Rose filed the suit on February 1, 1963, after a pamphlet published and circulated by Miss Koch and Christian Research accused him of collaborating with Communists and like behavior.

When the accusations first appeared, Professor Rose was a member of the State Legislature. When he ceased to be a legislator in 1965 and had fully resumed the duties of a University faculty member, Christian Research persisted in the circulation of the pamphlets.

Professor Rose didn't file the suit until fifteen months after the damaging remarks first appeared. Several conditions influenced his decision to sue.

“The accusations were not only damaging to me, but also to the University,” Professor Rose stated. “People were getting the wrong idea of the University. The remarks became part of a public hysteria at that time and helped to bring about a call for a full investigation of the University by the legislature. People who make such false accusations must be proven wrong and discredited, or they may be believed.”

When Professor Rose announced his decision to sue, his friends and associates at the University came to his aid and organized the present Faculty Legal Defense Committee. The Committee, consisting of eleven faculty members who represented a cross-section of University departments, immediately began a drive for funds to finance the suit. Within six weeks, more than \$7,000 had been donated. This was accomplished without any personal solicitations by the Committee, but by a letter that was sent to staff members simply stating that the fund drive existed and why it was necessary.

Professor Harold C. Deutsch, Chairman of the History Department and head of the Committee, said, “We supported Professor Rose because he was performing a service for all of us. The suit would discourage this kind of

smearing of academic people.” He further added, “I hope that the Committee will become a permanent one so that we will stand ready for any other instances of harassment.”

Dr. Deutsch is proud of the unsolicited support that came from high schools and from other colleges, both in Minnesota and outside of the state. The National Education Association commended Professor Rose and his colleagues for the action they had taken.

Dr. David K. Berninghausen, Director of the Library School and former President of the University chapter of the American Association of University Professors, commented on Professor Rose's pursuit of the case: “Libel suits are hard to win. When a public official or a professor is accused, as was Professor Rose, it is very important to society that he prove the charges false. Professors who are damaged by irresponsible and unfounded accusations all ought to feel a little more comfortable when someone takes on such a libel suit and wins. When unfounded statements harmful to a professor's reputation are made, they must be answered—and the court of law is a most effective place to make such answers.”

The suit was not an easy one for Professor Rose. The seventeen-day trial took him away from his own scholastic activities. He and his friends who testified were subjected to hours of insulting cross-examination. Above all, it was a trying experience for Professor Rose and his family, for it has been observed many times that in such trials it is the plaintiff who is on trial and not the defendant.

Despite the hardships of the event, Professor Rose feels that the suit was worthwhile because of the result and the lessons it taught. For one thing, Dr. Rose says, the decision brought responsibility back to those who should have been responsible in the first place—the legislature, the public, and the press. The legislators were answerable to the public, and they were pressured by public hysteria.” Professor Rose said. “The press won't engage in the distortion of these incidences quite so quickly now. But memories are short; they may do it again, but not right away,” he added.

Professor Rose continued. “Another thing the trial did was demonstrate to the conservatives that they have no real connection with the extremists on the far right. I have nothing but respect for the truly conservative people like Senator Dirksen, although I may—and do—disagree with them on issues.”

“Finally,” Dr. Rose said, “I wanted to make clear to the community and to society in general that one can't be permitted to make false and damaging statements without being stopped any more than one can be permitted to commit bodily harm.”

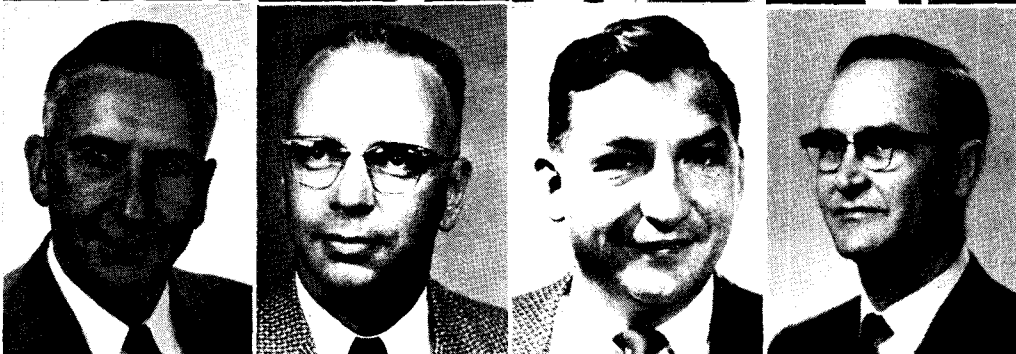
Dr. E. W. Ziebarth, Dean of the College of Liberal Arts, in commenting on the significance of the case said, “The trial establishes a legal precedent which in effect puts us all on notice that irresponsible charges will not be tolerated by our society. Freedom in the exchange of ideas is, of course, central to the academic enterprise and to the life of the scholar.”



Assoc. Prof. John Ankeny
Watowan
Prof. Carl Ash
West Polk
Assoc. Prof. Enock Bjuge
Sherburne
Asst. Prof. Richard Brand
Todd



Assoc. Prof. Oswald Daellenbach
Clay
Asst. Prof. George Gehant, Jr.
Lac Qui Parle
Assoc. Prof. Clayton Grabow
Mille Lacs
Assoc. Prof. Russell Gute
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Mr. Henry Hagen, Instructor
Cass
Assoc. Prof. Donald Hasbargen
Mower
Assoc. Prof. Vernon Hoysler
McLeod
Asst. Prof. J. O. Jacobson
West St. Louis



Prof. Glenroy Kunau
Goodhue
Prof. Ed Lenzmeier
Stearns
Assoc. Prof. Warren Liebenstein
Rice
Assoc. Prof. Sherman Mandt
East Ottertail



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Kandiyohi
Asst. Prof. Oscar Nelson
Mahnomon
Assoc. Prof. Raymond Palmby
Jackson
Assoc. Prof. Eugene Pilgram
Chippewa



Assoc. Prof. Clarence Quie
Dakota
Assoc. Prof. Richard Radway
Olmsted
Assoc. Prof. George Roadfeldt
Hennepin
Asst. Prof. Harold Rosendahl
Norman

WE

The County Agricultural Agents, Distinguished Service Award Winners

Some 235 County Agricultural Agents, County Home Agents, County 4H Club Agents, plus about one hundred specialists and supervisors on the state staff, make up the Co-operative Extension Service. Cooperative Extension is a partnership between the Land-Grant University and its State on the one hand, and the United States Department of Agriculture and the Congress on the other hand, working in cooperation with county governments (and to some extent with other local governments) and formal local advisory committees.

As academic staff members with ranks from Instructor to Professor, the Extension Agents' function is education—education directed at helping people solve the problems they encounter in a variety of fields. These include agriculture, family living, community and resource development, and related subjects.

Increasingly, Extension Agents are engaged in education at the community level in areas involving national and international issues and policies. This is reflected in the variety of disciplines, especially those in the social sciences, that have been added to the Extension Agents' technical training.

Each year the National Association of County Agricultural Agents honors Agents for their work as educators in both adult and youth group work. The men pictured here are 35 Minnesota County Agricultural Agents presently on the staff who have received the Distinguished Service Award from the NACAA for their outstanding educational programs carried out through the years.

Asst. Prof. Eldon Rost
Douglas

Assoc. Prof. Miles Rowe
Wadena

Asst. Prof. Harley Shurson
East Polk

Assoc. Prof. Dale R. Smith
Carver

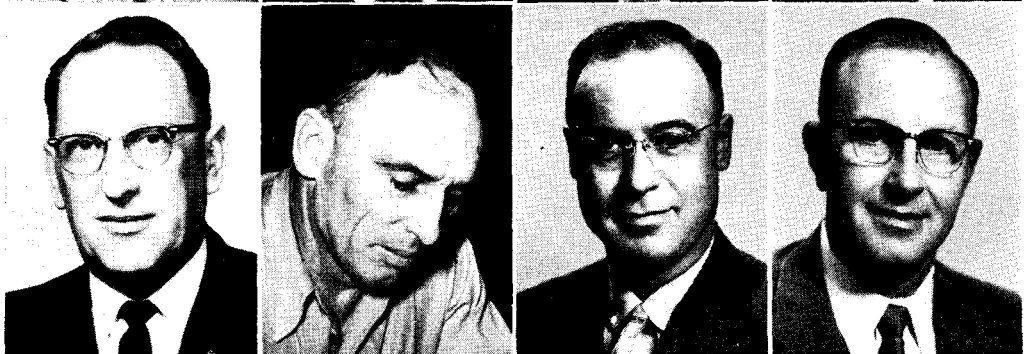


Asst. Prof. Jerome Specht
Wright

Prof. Frank D. Svoboda
Renville

Assoc. Prof. Herman Vossen
Cottonwood

Asst. Prof. Erwin Wamhoff
Morrison

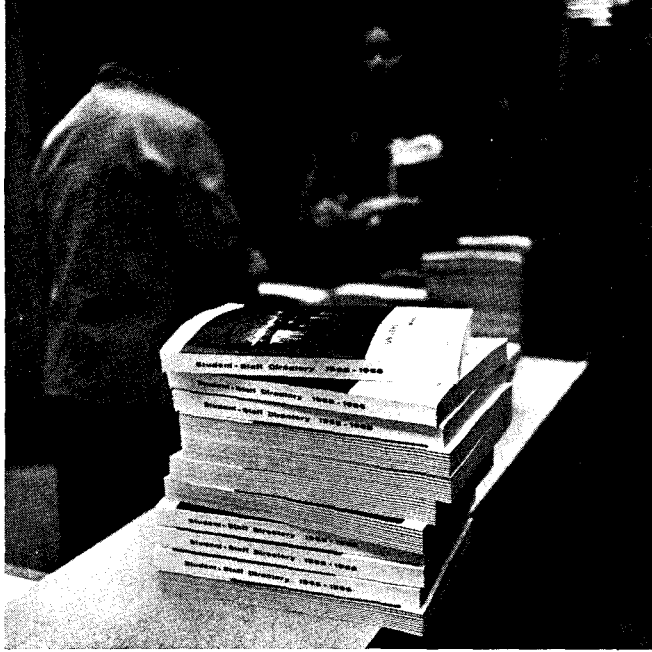


Prof. Wayne W. Weiser
Blue Earth

Mr. Fred Wetherill, Instructor
Nicollet

Asst. Prof. Nicholas Weyrens
West Ottertail





Cooperation Is Key To Publication of University Directory

The six University bookstores buzz with activity the day 40,000 directories are delivered. Mrs. Virginia Finlayson, fills a student's order at the Nicholson Bookstore.

From Accounting to Zoology, from Lucille Aakre through Francis Zywiec, the *University Student Staff Directory* is filled with more information than a text book—but of a different kind. The three main categories of the directory—department, staff and student sections—plus many other features, make it a vital handbook of the University community.

Included in the new 1965-66 directory's 504 pages are such items as a listing of the Board of Regents, a description of the organization of the University, a calendar of the school year, and full page maps of the Minneapolis and the St. Paul campuses. A roster of all campus student organizations is included, as are the names of all registrants at the Mayo Graduate School of Medicine.

Directory is Result of Departmental Cooperation

Production of this book, which is comparable to a city directory for a community of 50,000, is a task which involves many University offices and departments.

Overall responsibility for the directory rests with Mr. Alan Ominsky of the Department of University Relations. Actual preparation begins during the summer when Mr. Ominsky prepares the bid specifications for data preparation and printing which is used by the Purchasing Department. At that time a production schedule is made

which includes such dates as:

- Sept. 23—Staff cards due at University Relations
- Oct. 1—Department copy to Print Shop
- Oct. 11—Last day for student cards
- Nov. 20—Delivery of books to University bookstores

Each of the three main sections of the directory is produced by a different method. Mr. John Huebner, Associate Director of the Student Housing Bureau in the Dean of Students Office, supplies 37,000 students' names, addresses, home towns, phone numbers, colleges, and years of graduation. This information is processed by a computer from a multiple-use IBM card prepared from forms which are made out by each student during fall quarter registration.

The computer spews out a long streamer of paper which lists students alphabetically. Then this paper is cut into column-size pieces and pasted onto page forms. During this process additions, deletions, and changes are made—a job that requires paste, razor blades, and patience. Following paste-up, the section is photographed, two pages at a time, and plates are made from the negatives for printing by web-offset process.

For the staff section, corrected staff records are gathered from all University departments, and the 17,000 names are typed up on a special typewriter, about 50 names to a sheet. Staff in-

formation includes name, academic or civil service title, address and home and office phones. Pasteup and photography with reduction complete the staff section.

Department information is gathered, the material edited—this year by Miss Jacqueline Fix, University Relations editor—and then this section is set in type by the University Print Shop. A reorganization of the department section resulted in listings under the 17 main divisions of the University. A special insert facilitates use of this section.

New Printing Process Cuts Cost

Directories published before 1961 were six-by-nine-inch booklets much like a class schedule and were printed in a process which required setting type for the entire book. Typesetting, an expensive part of the printing process, has been eliminated in both staff and student sections, resulting in a big cut in total costs of the directory. This, plus other shortcuts such as the use of computers, has reduced costs between one-third and one-half, according to Mr. Ominsky.

The directory is budgeted from the University's general operations funds with part of the cost absorbed by the 24-page classified section. *The Minnesota Daily* advertising staff sells the advertisements and sets up ad layouts,

(continued on page 10)

CENTER RENAMED

When the bronze plaque bearing the name, "Nolte Center" for Continuing Education, was unveiled on November 14, 1965, another chapter was added to the memorable history of Professor Julius M. Nolte, the late Dean of the General Extension Division and former Director for the Center.

When Dean Nolte became Director of the Center in 1937, it was the only on-campus residential adult education facility in the United States. The original idea came from President Lotus D. Coffman, but Dean Nolte made it a reality with his persistence and ability.

Before coming to the University, Dean Nolte earned a B.A. degree from Yale University, where he was a member of Phi Beta Kappa. He received a law degree from the University of Minnesota and was admitted to the Minnesota Bar in 1937. Earlier in his native Duluth, he participated in the fields of real estate, insurance, manufacturing, and lumbering. Because he was familiar with the professional fields, he could appreciate the need to continually refresh the knowledge of lawyers, doctors, teachers, and engineers.

Dean Nolte strived to keep the subjects that were offered both challenging and useful. Virtually every department at the University offered instruction in the Center. Where department and University funds were not available, he sought them from national foundations, corporations, and government agencies.

Because the Center was the only one of its kind in the country, Dean Nolte was often asked to advise other colleges and universities on their continuing education programs. Representatives of other campuses also visited Minnesota's Center for Continuation Study and used some of Dean Nolte's concepts and techniques in their planning.

In 1943, Dean Nolte became Direc-

tor of the General Extension Division, and in 1946, he became Dean. Although his responsibilities were greatly expanded, he maintained his rigorous interest in the Center, insisting that it maintain its high standards of excellence.

Dean Nolte retired in 1963 and died in January, 1965. The plaque which renamed the Center the "Nolte Center for Continuing Education" in his memory has been placed near the front door on Pillsbury Street so that all who enter may be reminded of the man who contributed vision and ability to continuing education.



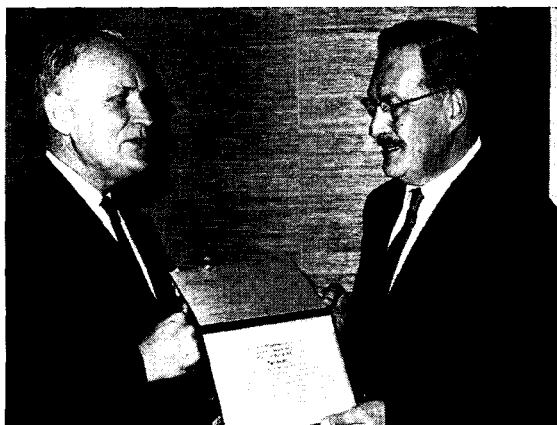
Mrs. Nolte and Dean Willard L. Thompson, General Extension Division and Summer Session, read the bronze plaque honoring Dean Emeritus Julius M. Nolte. The plaque bears a saying by Dean Nolte: "We must read tomorrow by yesterday's candle."

Professor of Economics Walter W. Heller served as Chairman of the President's Council of Economic Advisers from 1961 through 1964. During his four years as the government's top economist, he earned the respect of critics and boosters alike, most agreeing that he brought a brilliant and creative mind to bear on the economic problems of our country.

Under President Kennedy, he was the first economist to successfully advocate a tax cut while the government deficit was running high and the economy was on the upturn. He was one of the chief authors of President Johnson's War on Poverty legislation. He, too, is a fellow of the American Academy of Arts and Sciences, his membership dating back to his Washington days, 1962.

photo by Alan Ominsky





Mr. Earl Ewald receives the Outstanding Achievement Award from President Wilson.

University of Minnesota Presented the Outstanding Achievement Award to . . .

Mr. Earl Ewald, president of Northern States Power Company. The Award, which is the highest honor given by the University Regents to alumni, was presented November 19 at the 27th annual meeting of the Alumni Association of the Institute of Technology.

Mr. Ewald received a bachelor's degree in electrical engineering from the University in 1930.

Directory

(continued from page 8)

with half the profit going to the directory fund and the remainder to the *Daily*.

Distribution of the book involves another University group—the bookstores. After publication in late November, directories are distributed through the six University bookstores. The coordination of book distribution is handled personally by Mr. Harold D. Smith, University Bookstores Director. Students get the book by presentation of a paid fee statement, and departments and staff members secure theirs by presenting a coupon for each book issued. The directory sells to others for \$1.00.

As the book comes off the press, does Mr. Ominsky settle back with a sigh of satisfaction? Not at all. He's already reviewing the directory for revisions for the 1966-67 issue.

Publications of Staff Members

Dr. James Eckman, Assistant Professor of the History of Medicine, Mayo Graduate School of Medicine, *The Heritage of the Printer*, Volume 1, North American Publishing Company.

Dr. Albert Faulconer, Jr., Professor of Physiology, and Mr. Thomas E. Keys, Associate Professor of the History of Medicine, Mayo Graduate School of Medicine, *Foundations of Anesthesiology*, Two Volumes, Charles C. Thomas.

Associate Professor John Parker, curator of the James Ford Bell Collec-

tion, editor of *Merchants and Scholars: Essays in the History of Exploration and Trade*, University of Minnesota Press.

Dr. Allen Nussbaum, Associate Professor of Electrical Engineering, *Electromagnetic and Quantum Properties of Materials*, Prentice-Hall.

Dr. John E. Turner and Dr. Robert T. Holt, Professors of Political Science, *The Political Basis of Economic Development: An Exploration in Comparative Political Analysis*, Van Nostrand Co.

New Library to Be Built On West Bank by 1968

Excavation for the West Bank Library, newest addition to the growing West Bank Campus, awaits warmer weather when the hum of construction equipment will mark the rise of the new building. The library, which is tentatively scheduled for completion in the summer of 1968, will provide space for about 1.5 million volumes with seating capacity for 2,500 students and will help satisfy the urgent need for additional library facilities.

The present West Bank Library, located on the third floor of the Classroom Building, is a temporary branch designed to take care of the immediate needs of the West Bank students. It combines a reserve room and general reading room with a collection of volumes selected to serve courses in the departments now located on the West Bank.

The new library will contain four floors and a penthouse above the ground, with two levels below the ground. The plaza entrance on the ground floor will serve as the information hub of the library, housing the Card Catalog, Technical Service Departments, Research and Bibliography area, General Information Desk, and the main Circulation Desk. Easy access is provided to the basement level

through an entrance from a traffic corridor connecting the library with the nearby office and classroom buildings. Second and third floors will house the stacks interspersed with reading rooms, and the fourth floor is set aside for the Special Collections Department, Documents Collections, The James Ford Bell Room, and the library's administrative offices. The entire library, except for the rare book areas, will have open-shelf access.

The need for this new library was recognized as early as late 1957 after the West Bank Planning Committee presented the original recommendations. As the West Bank buildings went up and student enrollment grew, the need for a library increased. In 1963, the University received its first grant from the Legislature—\$4,200,000 to cover planning of the building and construction of the first phase. Since then, four other grants have been received, one from the Legislature and three from the Federal Government.

The funding of the library involved coordination of five separate fund requests over a three-year period. The latest grant of \$300,000 was recently announced by the United States Office of Education, satisfying the total fund requirement of \$10,142,000.

University of Minnesota Calendar of Events

January 1-15, 1966

MINNEAPOLIS SYMPHONY ORCHESTRA

Friday Evening Concerts

Stanislaw Skrowaczewski, Music Director
Northrop Auditorium, 8:30 p.m.
 Friday, January 7—Donald Johanos, guest conductor; Leonard Pennario, pianist (Tickets \$2.75-\$5.00)
 Friday, January 14—Robert Shaw, guest conductor; Festival Chorus of the Bach Society, David LaBerge, director; soloists (Tickets \$3.00-\$6.00)

Sunday Afternoon Concerts

Northrop Auditorium, 4:00 p.m.
 Sunday, January 2—Leonard Pennario, pianist (Tickets \$2.00-\$4.00)

UNIVERSITY ARTISTS COURSE

Masterpiece Series

Northrop Auditorium 8:30 p.m.
 Wednesday, January 12—Andres Segovia, guitarist*

MUSIC DEPARTMENT PROGRAMS

(Open to the public without charge)
Northrop Auditorium

Wednesday, January 5—Professor Bernhard Weiser and James Bonn, two-piano concert, 8:30 p.m.
 Sunday, January 9—Professor Duncan McNab, piano concert, 4:00 p.m.

CONVOCATIONS

(Open to the public without charge)
Northrop Auditorium

Thursday, January 6—NBC-KSTP International News Symposium, panel featuring nine foreign correspondents and moderator, 8:00 p.m.
 Tuesday, January 11—Alistair Cooke, Chief United States Correspondent of *The Manchester Guardian*, 11:30 a.m.

ART EXHIBITIONS

University Gallery

Northrop Auditorium, 8:30 a.m.-4:30 p.m.
Monday through Friday
2:00-5:00 p.m. Sunday afternoons.
January 9 and 23

Thursday, January 6 to Tuesday, February 1—Peter Busa, Recent Paintings, Gallery 405
 Thursday, January 9 to Tuesday, February 1—M.F.A. Thesis Exhibitions; Gerald Lang; Photographs, Gallery 315. Rod Lazorik; Photographs, Gallery 309

St. Paul Campus Student Center Galleries

Sunday 12:00 noon-11:00 p.m.
Monday through Saturday
8:00 a.m.-10:00 p.m.

Monday, January 3 through Friday, January 28—Rey Herriot, Wall Hangings and Drawings
 Monday, January 3, through Friday, January 28—Marion Bagley, Oils and Watercolors

ATHLETIC DEPARTMENT EVENTS

Home Basketball Game

Williams Arena, 8:00 p.m.
 Saturday, January 15—Indiana (Reserved seats \$2.00; General admission \$1.50. Over-the-counter sale opens Monday before each game at Cooke Hall, Downtown Ticket Office, 158 Cargill Building, Minneapolis, and Field Schlick, St. Paul)

Home Hockey Games

Friday, January 7—University of Michigan
 Saturday, January 8—University of Michigan (Reserved seats \$2.00; General admission \$1.50. Over-the-counter sale opens on Monday before each game at Cooke Hall, Downtown Ticket Office, 158 Cargill Building, Minneapolis, and Field Schlick, St. Paul)

Home Wrestling

Williams Arena
 Friday, January 14—South Dakota State University, 7:30 p.m.
 Saturday, January 15—University of Iowa, 1:00 p.m.

Home Gymnastics

Cooke Hall, 2:00 p.m.
 Saturday, January 15—University of Iowa and Nebraska
 (Tickets for Wrestling and Gymnastics are sold at gate only—\$1.00)

Home Swimming Meets

Cooke Hall
 Saturday, January 15—University of Iowa, 3:00 p.m. (Reserved seats on sale at Cooke Hall only the Monday before the meet, \$1.50; General admission \$1.00 sold at gate only.)

There is a Winter Sports Ticket available to the public at \$6.00. It admits to 23 events in Wrestling, Swimming, Track, and Gymnastics. Call the Ticket Office 373-3181 for information.

UNIVERSITY FILM SOCIETY

Shown at the Museum of Natural History Auditorium

Thursday, January 6—Talk by New York film critic, 8:00 p.m.
 Friday, January 7—*Platinum Blonde*, directed by Frank Capra (USA, 1931) and *Showman*, Maysles Brothers
 Friday, January 14—*Bread of our Early Years*, directed by Herbert Vesely (Germany, 1962), 7:30 p.m.

MINNESOTA MUSEUM OF NATURAL HISTORY

Sunday Afternoon Programs

Museum Auditorium, 3:00 p.m.
(Open to the public without charge)
 Sunday, January 9—*Voice of the Desert*, color sound film

SIGNIFICANT UNIVERSITY BROADCASTS

A Service of the General Extension Division

Radio

KUOM 770 on the dial

Mondays, Wednesdays, and Fridays, 11:00 a.m.—“Humanities in the Modern World 2A.” Robert L. Scott, Professor of Speech and member of the Humanities Program faculty, continues KUOM’s classroom series with lectures on the period of the industrial revolution.

Wednesdays, 4:00 p.m.—“Portrait of the American.” Dr. Betty E. Chmaj appears as commentator on each program with guest participants John Dos Passos, James Farmer Irving Howe, Alfred Kazin, and William H. Whyte, Jr.

Monday through Friday, 12:15 and 4:30 p.m.—“Newscasts.” KUOM’s newscasts are complete, uninterrupted presentations of the significant news of the day.
 Saturdays, 12:00 noon—“Their Other World.” This series explores the bio-astronautical and medical implications of space travel.

Monday through Friday, 3:55 p.m.—“Community Calendar.” Kathleen McCreery of the KUOM staff presents a concise account of cultural events in the metropolitan area.

University Television Hour

Channel 2, KTCA-TV

Mondays, 9:00-9:30 p.m.—“Revolution in the Schools,” with Professor Stan Kegler, Associate Dean of the College of Education, and guests from the University

Mondays, 9:30-10:00 p.m.—“World Affairs Dollar Diplomacy.” (A series of broadcasts concerning United States Foreign Aid—N.E.T. films and panel discussions), with Professor Harlan M. Smith of the Department of Economics and guests from the University

Tuesdays, 9:00-10:00 p.m.—“Utopia and the Human Condition,” with Professor Mulford Q. Sibley of the Department of Political Science

Wednesdays, 9:00-9:30 p.m.—“Folio,” with Arnold Walker of the Department of Radio and Television

Wednesdays, 9:30-10:00 p.m.—To be announced

Thursdays, 9:00-9:30 p.m.—“Going to College,” with Professor Leonard Bart of the Department of Speech and Theatre Arts

Thursdays, 9:30-10:00 p.m.—“Town and Country,” with Professor Ray Wolf of the Institute of Agriculture

Fridays, 9:00-9:30 p.m.—“Sight-Sound and Movement: A World of Happening in the Arts,” with F. W. Hayman-Chaffey, Visiting Professor of Art.

Fridays, 9:30-10:00 p.m.—“It’s a Jet-age Home,” with Mary E. Ryan and Barbara Killen, Extension Specialists Consumer Marketing

* Reservations may be made at 105 Northrop Memorial Auditorium.

Tickets for these events are also available at Dayton’s and Field-Schlick on Monday of the week prior to performance.

University of Minnesota Calendar of Events

January 16-31, 1966

MINNEAPOLIS SYMPHONY ORCHESTRA

Friday Evening Concerts

Stanislaw Skrowaczewski, Music Director
Northrop Auditorium, 8:30 p.m.
 Friday, January 21—Igor Stravinsky and Robert Craft, guest conductors (Tickets \$3.00-\$6.00)
 Friday, January 28—Georges Sebastian, guest conductor; Rhadames Angelucci, oboist (Tickets \$2.75-\$5.00)

Sunday Afternoon Concerts

Northrop Auditorium 4:00 p.m.
 Sunday, January 16—Henry Mancini, conductor
 Sunday, January 30—Andre Kostelanetz, conductor
 (Tickets \$2.00-\$4.00)

Special Concert

Northrop Auditorium, 8:00 p.m.
 Monday, January 17—Henry Mancini, conductor (Tickets \$2.00-\$4.50)

UNIVERSITY ARTISTS COURSE

Northrop Auditorium, 8:30 p.m.

Celebrity Series

Tuesday, January 18—Kingston Trio, folk singers*

Masterpiece Series

Tuesday, January 25—Artur Schnabel, pianist*

Greek Week Special

Saturday, January 29—Stan Getz, Astrud Gilberto*

UNIVERSITY THEATRE

Classic Series

Sherlin Hall Arena Theatre, 8:00

Monday, January 31—*The Revenger's Tragedy* by Cyril Tourneur. (Tickets \$1.25)

* Reservations may be made at 105 Northrop Memorial Auditorium.

Tickets for these events are also available at Dayton's and Field-Schlick on Monday of the week prior to performance.

CONVOICATIONS

(Open to the public without charge)

Tuesday, January 18—John Scott, special correspondent of *Time*, Coffman Memorial Union Main Ballroom, 11:30 a.m. and 12:30 p.m.

Thursday, January 20—David S. Blanchard, Deputy Director, International Labor Office, Northrop Auditorium 11:30 a.m.

MUSIC DEPARTMENT PROGRAMS

(Open to the public without charge)

Saturday, January 22—Concert Band Ensemble, Northrop Auditorium, 8:30 p.m.

Sunday, January 30—Student-faculty Chamber Recital, Mayo Memorial Auditorium, 4:00 p.m.

MINNESOTA MUSEUM OF NATURAL HISTORY

Sunday Afternoon Programs

Museum Auditorium, 3 p.m.

(Open to the public without charge)

Sunday, January 16—"Alaska Notebook," Dr. W. J. Breckenridge, Professor and Director, Minnesota Museum of Natural History

Sunday, January 23—*Cottontail Rabbit*, color sound film

Sunday, January 30—International Color Photo Salon

UNIVERSITY FILM SOCIETY

Shown at the Museum of Natural History Auditorium

Friday, January 21—"Chekhov in Film," two new Russian films on Chekhov stories: *Safety Match*, 7:30 p.m., and *The Duel*, 8:30 p.m.

Friday and Saturday, January 28 and 29 *Before the Revolution* directed by Bernardo Bertolucci, 7:30 p.m.

ATHLETIC DEPARTMENT EVENTS

Home Hockey Games

Williams Arena, 8:00 p.m.

Friday, January 21—Colorado College

Saturday, January 22—Colorado College

Friday, January 28—Michigan State University

Saturday, January 29—Michigan State University (Reserved seats \$2.00; General admission \$1.50. Over-the-counter sale opens Monday before each game at Cooke Hall, Downtown Ticket Office, 158 Cargill Building, Minneapolis, and Field Schlick, St. Paul)

Home Gymnastics

Cooke Hall, 2:00 p.m.

Saturday, January 22—Western Illinois University and Bemidji State College

Home Track

Field House, 1:00 p.m.

Saturday, January 29—Varsity versus Freshmen

(Tickets for Gymnastics and Track are sold at gate only—\$1.00)

Home Swimming Meets

Cooke Hall

Saturday, January 29—University of Nebraska, 7:00 p.m.

Monday, January 31—Indiana University, 7:30 p.m. Reserved seats on sale at Cooke Hall only the Monday before the meet, \$1.50; General admission, \$1.00 sold at gate only)

There is a Winter Sports Ticket available to the public at \$6.00. It admits to 23 events in Wrestling, Swimming, Track and Gymnastics. Call the Ticket Office 373-3181 for information.

THE MINNESOTAN

Department of University Relations

217 Morrill Hall

University of Minnesota

Minneapolis, Minnesota 55455

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THE MINNESOTAN

The University Staff Magazine - February 1966



**The University Community Development Corporation
Is Important to All Staff Members**

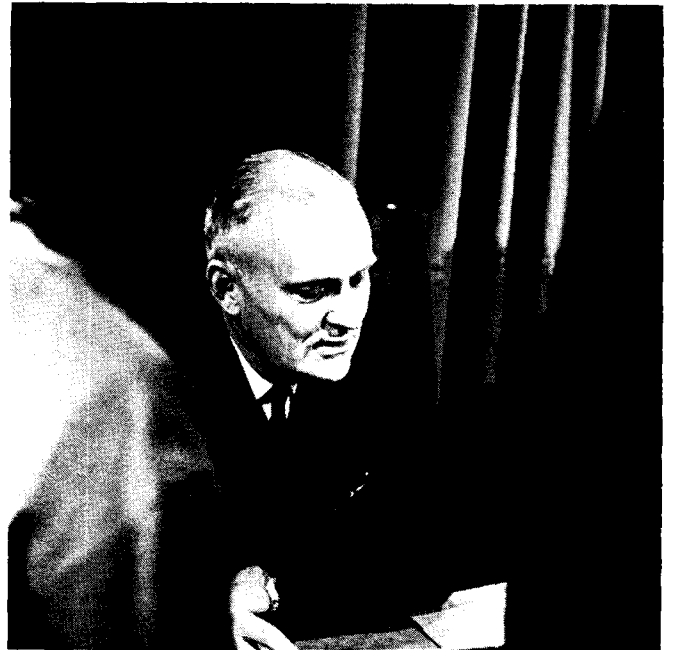
The President's Page

We of the University family should take notice of and pleasure in the recent founding of the University Community Development Corporation. In this venture the University joins private educational institutions and hospitals in its immediate community to look together at the physical and social health of the area and to plan together for its improvement.

The problem is familiar to most American universities in major cities. College neighborhoods are susceptible to decline. And a major fact of twentieth-century life in the United States is center-city deterioration and collapse. In the five-mile-long area with which the corporation is concerned, there are occasional instances of serious deterioration: other areas are threatened. It is vital to every citizen that the health of the community surrounding this great institutional complex be maintained and insured. Most residents of the Twin Cities and many out-state residents will visit the area for services of education, health, fine arts, or religion at some time in their lives. The stakes are high, the investment is great.

This corporation seeks positive solutions to problems, but the method or means of solution will be varied and are not predetermined. It is a cooperative effort of citizens in the community, and its goals are not destructive, but creative. Fine institutions and wholesome residential, commercial, and recreational areas need protection. From a practical point of view, we need to work together to make the most effective use of our limited space. The health and physical well-being of the University and its neighbors must make us all concerned about traffic, commerce, housing, and recreation. Nor should we ignore aesthetics, especially the natural beauty of the Mississippi River Gorge. Its unique contribution to the metropolitan area deserves preservation and, where necessary, improvement.

The University Community Development Corporation merits our support. It will bring together concerned citi-



—Photo by Alan Ominsky

zens and institutions for cooperative discussion, investigation, and planning. It will, we hope, help us face our special problems and meet the challenge of our special opportunities.

Meredith Wilson

On the cover . . .

Augsburg College, St. Mary's Junior College, Luther Theological Seminary, Fairview Hospital, St. Mary's Hospital, the University, along with civic leaders, business and financial institutions, and government officials, through the newly formed University Community Development Corporation, are concerned about the community of which they are a part.

VOL. XVI THE MINNESOTAN No. 5

Published by the Department of University Relations, 217 Morrill Hall, University of Minnesota, Minneapolis, Minnesota 55455.

William L. Nunn, Director
William T. Harris, Jr., Assistant Director

Carolyn M. BloeseEditor
Julie HenrickssonEditorial Assistant
Advisory Committee: Members of the University Public Information Council

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Photographs, unless otherwise credited, were taken by members of the University Photographic Laboratory. Cover photo by Alan Ominsky.

Second class postage paid at Minneapolis, Minnesota.

They Devote Their Services to the University

The Staff Members Without Salary

More than thirteen hundred persons have academic rank at the University of Minnesota, but receive no salary from the University. Who are they? They may be physicians with their own private practices, or they may be employees of an outside agency or business. Some are paid by the Federal Government to serve as full-time faculty members. Their duties and titles differ, but they all devote their services to either teaching or research for the University.

Many of these staff members without salary teach in a specialty area. For example, a veterinarian instructs students in the College of Veterinary Medicine on the techniques of shoeing horses, and an electrical engineer on the staff of the Mayo Clinic teaches graduate students in electrical engineering about medical instrumentation. Specific areas such as these ordinarily are not taught by salaried University faculty members. Thus, the services of the unpaid faculty members often supplement the teaching programs.

According to Dean Robert B. How-

ard of the College of Medical Sciences, some of the doctors who work with medical students feel that teaching is traditional in medicine. "The University gains the services of an experienced person who is willing to contribute a few hours or more of his time each week to working with students," Dean Howard explained.

The non-salaried faculty members are not all identified by the same title. In the College of Medical Sciences, in the School of Dentistry, and in the Psychology Department, for example, they are known as "clinical" faculty, and their titles range from clinical instructor to clinical professor. In other units, they may be called lecturers, as in Pharmacy, or they may carry the title of professor, associate professor, and so on, without the distinguishing prefix of "clinical," as in Agriculture.

The College of Medical Sciences, with 804 clinical faculty members, has the largest group of the University's unpaid staff. All early American medical colleges began with a part-time, and for the most part unpaid, faculty.

The better of these early colleges attracted prominent and dedicated physicians who shared their knowledge and experience with student doctors. This was in the highest tradition of their Hippocratic oath. The present clinical faculty in the College does

Associate Professor Verne E. Comstock has been with the United States Department of Agriculture for twenty years and at the University for the last twelve years. Here, Dr. Comstock conducts genetic studies of rust-resistant flax plants.



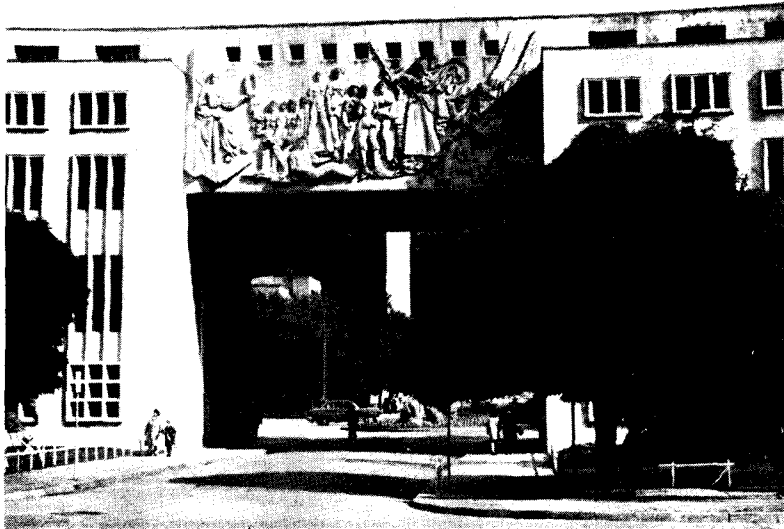
Dr. Thomas J. Kiresek, Chief Psychologist at Hennepin County General Hospital and Clinical Assistant Professor at the University, often has his eight University psychology graduate students observe a hospital doctor as he presents a patient's case study. Afterwards, the psychological aspects of the case are discussed.



more supervising of students at work with patients than lecturing in classrooms.

The faculty members without pay in the Psychology Department also work in a supervisory capacity. Psychology graduate students are sent to some business or agency in the community, such as General Hospital, for on-the-job training. A member of the agency's staff, who holds a University academic appointment, acts as a training director for these students. This working arrangement has existed in the Psychology Department for some twenty years, but only within the last two

(continued on page 10)



—Photos by Professor Boddy

Concepción Seeks a New Kind of University

By Professor Francis M. Boddy
Acting Dean of the Graduate School

Minnesota Staff Members
Help Chilean School
Reorganize

The symbol of the University of Concepción—the Medical School, with its overhead bas-relief frames the main entrance to the campus.

One of the recent adventures of the University of Minnesota in overseas projects in international education is our relationship with the University of Concepción, Chile. Since international education has been the subject of two recent President's Pages, I have invited Acting Dean Francis M. Boddy of the Graduate School, an adviser to the Chilean project, to report on the hopes and achievements of that project.

O. Meredith Wilson

The University of Concepción is a private, autonomous university with a current enrollment of some forty-five hundred full-time undergraduate students. It is located in the city of Concepción, Chile, which is about three hundred miles below Valparaiso, where Chile's largest river, the Bio-Bio, flows into the Pacific. Concepción is Chile's third largest city and the center of the rapidly developing industrial region of South-Central Chile which is separated from the rich agricultural central valley by the low coastal range.

The University of Concepción, in typical South American fashion, was a federation of some twelve professional schools ranging from Law and Medicine to Social Work and Agronomy (this latter located at Chillán in the central valley, eighty miles from Concepción).

Beginning in the early 1960s, under

University of Minnesota staff members involved in the University of Minnesota-University of Concepción relationship:

- President O. Meredith Wilson**, in connection with this project, has visited the University of Concepción.
- Acting Dean Francis M. Boddy** of the Graduate School was the first "Chief of Party."
- Dr. E. W. McDiarmid**, Professor in the Library School and former Dean of the College of Liberal Arts, is the present "Chief of Party."
- Mr. James Kingsley, Jr.**, Chief of Special Collections of Walter Library, is presently the Acting Director of the Central Library at Concepción.
- Dr. Theodore E. Kellogg**, Director of Admissions, was a consultant on admissions procedures and administrative organization.
- Mr. Paul D. Berrisford**, Chief of Cataloguing of Walter Library, was a consultant on library cataloguing.
- Mr. Robert F. Estelle**, Instructor of Romance Languages and Director of the Language Laboratory, was a consultant for the Language Laboratory at Concepción.
- Mr. Sterling B. Garrison**, Assistant to the Vice President for Business Administration, was a consultant on administrative and financial organization.
- Dean Horace T. Morse** of the General College was a consultant on the revising of the professional school structure.
- Professor Roy Carter, Jr.** of the School of Journalism will join the Concepción project in September to advise on social science teaching and research methods.
- Dean Willard W. Cochrane**, Office of International Programs, has general supervision and direction of the project.

the leadership of former Rector David Stinchkin, the University of Concepción, with support from an earlier grant from the Ford Foundation, embarked on major long-range changes in its organizational structure and educational programs. Proposed was a plan to create a new kind of university in the South American scene, one which would transform the federation of autonomous professional schools into a university more in the North American pattern. Under this plan, the teaching functions in the basic scientific and scholarly disciplines would

be handled by new university units designated as the Central Institutes of the University while professional training would remain in the schools.

Supported by this earlier grant, Concepción established the first four of these Central Institutes in the science areas of Biology, Chemistry, Mathematics, and Physics, and began a program of strengthening the faculties in these areas and expanding the teaching and research programs of the Institutes.

Under the leadership of the present Rector, Dr. Ignacio Gonzalez, the fur-

ther development of this basic plan is moving forward. In 1965, Central Institutes were established in the social sciences and in humanities, a central University Library came into existence, and significant reforms were begun in the curricula for entering students, in the teaching methods, and in the programs of the Institutes.

Under the University of Minnesota's cooperative arrangements with Concepción, consultants and advisers are sent to Concepción, to assist the Rector and other administrators on a broad spectrum of problems connected with this major job of restructuring. In addition, Minnesota is providing scholarships for study-visits and graduate study abroad for members of the Concepción faculty (primarily of the new Institutes) in order to strengthen the capabilities of the Concepción faculty and support the reorganization of the scattered library collections into a new central library.

After some earlier exploratory visits by staff members of the University of Minnesota, the program got underway in early 1965 with the arrival at Concepción of two long-term advisers, and a series of four shorter-term consultants. The Minnesota consultants were Dr. Theodore Kellogg, Director of Admissions; Mr. Paul Berrisford, Head of the Catalogue Department of the Walter Library; Mr. Robert Estelle, Romance Languages; and Mr. Sterling Garrison, Assistant to the Vice President for Business Administration. Mr.

James Kingsley of the Special Collection Department of the Walter Library was one of the long-term advisers, and I was the other.

During the first year, the accomplishments of the University of Concepción, in carrying forward the widespread *reforma*, were beyond even our original optimistic expectations. While the general plans had been well developed by the Concepción administration, it should be stressed that the organizational structures that were being created, and particularly the new cur-

The residence cabins at the University of Concepción are built on the hills which surround the campus. Each cabin houses sixteen students in the wings, with the center section serving as a community living room.



ricula and programs being instituted for entering students, had no counterparts in higher education in all of South America. In addition to the strangeness of the new educational territory that was being explored and settled, the numerous administrative and procedural details that had to be worked out, together with the academic policy questions that needed answers,

the University of Concepción had to develop new ways of communication and institute new arrangements for the coordination of efforts to solve the day-by-day operational problems.

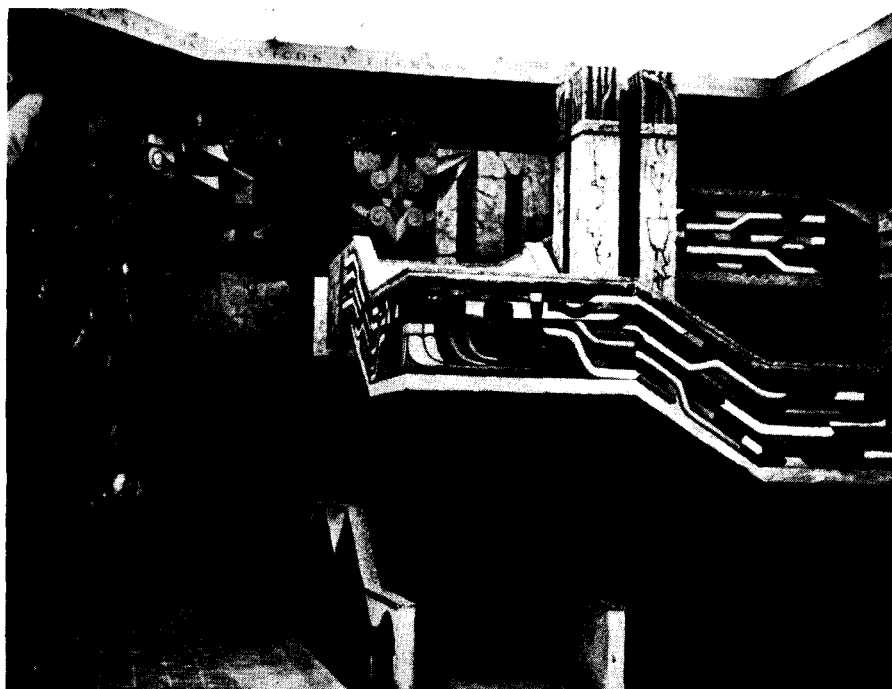
Some of the major achievements of this first year will indicate something of the magnitude and scope of these developments. For the first time, all entering students were selected and admitted to the University as a whole, rather than being selected and admitted by the separate professional schools. In the new "first year program" the

following innovations were introduced: (1) a trimester rather than a two semester academic year; (2) a reduction of the traditional 25-30 hour student course load to 16-17 hours; (3) the change from a numerical and "absolute" grading system to an A, B, C, D "relative" system; (4) a massive reduction in the failure rate of freshmen, which had previously run above fifty per cent; (5) course programs in the major fields that provided for substantial elective options in place of the rigid block-programming of the professional schools; (6) the introduction of a credit and grade-point system similar to those in the United States; (7) the establishment of a system of faculty academic advisers, with each student assigned to, and working actively with, an adviser; and (8) the continuing encouragement to the students to use their first year as a way to test their interests and aptitudes in various areas, and to use the flexibility of the programs to keep open the option of choosing their professional or career program at a later time.

Major changes in the organizational

(continued on page 10)

Appropriately, a colorful mural adorns the walls of the Fine Arts Building at Concepción. The mural was a gift of the Mexican government.





For the last 25 years, **Dr. Bryce L. Crawford, Jr.**, Dean of the Graduate School and Professor of Chemistry, has been prominent in the field of infra-red and Roman spectroscopy, an experimental technique used in determining the forces which bind atoms together into molecules. Presently, Dean Crawford is spending a six-month leave at the University of Tokyo, exchanging ideas with persons involved in molecular spectroscopy. A University faculty member for 25 years, Dean Crawford served as Chairman of the School of Chemistry from 1957 until 1960, when he was named Dean of the Graduate School. Dean Crawford was elected to the Academy in 1956 and is chairman of its Chemistry Section.



Many organizations have honored **Professor Maurice B. Visscher**, Chairman of the Department of Physiology, for his work in both cancer control and cardiovascular physiology. Dr. Visscher presently directs heart and circulation studies in an attempt to better understand the mechanism and processes of the heart and circulatory system. His research also seeks to increase the efficiency of the heart in various types of congenital and acquired diseases. In addition to the problems of scientific research, Dr. Visscher is concerned with the place of science in the educational field and is a spokesman for such things as adequate wages for scientists and free international flow of scientific information. Dr. Visscher was elected to the National Academy of Sciences in 1956 and is presently chairman of its Physiology Section.

Dr. Lee I. Smith, Professor Emeritus and former Chief of the Division of Organic Chemistry, is a research scientist, but above all, a teacher. Under Dr. Smith's guidance, 73 students earned higher degrees, and many of these former students now hold prominent positions in the academic field as well as in industry. During his forty years at the University, from 1920 to 1960, Dr. Smith specialized in synthetic organic chemistry, gaining fame for his work with the chemistry of vitamins, particularly his synthesis of Vitamin E. Dr. Smith was elected to the National Academy of Sciences in 1944 because of his sustained record of accomplishment.

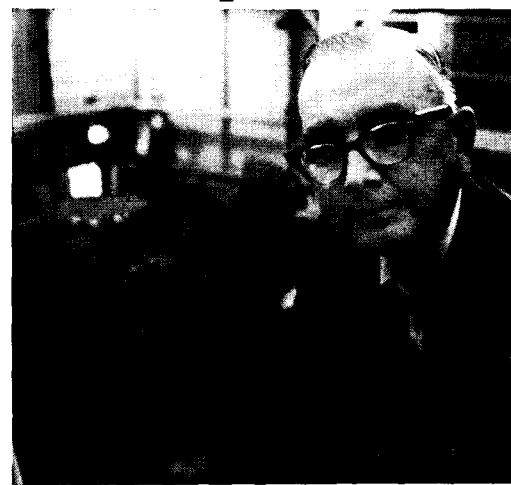


WE the Members of the National Academy of Sciences

Membership in the National Academy of Sciences is one of the nation's highest recognitions of scientific achievement.

Originally established by President Lincoln in 1863 to mobilize the scientific resources of our country during the Civil War, the Academy continues this important activity and is on call to provide information and advice to the President and Congress in times of peace as well as war. The Academy has an operational arm, the National Research Council, which, through its permanent staff and committee system, seeks to stimulate work of the individual scientist and coordinate investigations of broad research problems.

As a group leader at the Manhattan Project in Los Alamos, New Mexico, during World War II, **Dr. John H. Williams**, Professor of Physics, helped develop the first atomic bomb. By appointment of President Eisenhower, Dr. Williams was on the Atomic Energy Commission for 1959 and 1960. He had previously served as the AEC's director of research and is now on the AEC's General Advisory Commission. Dr. Williams was recently named president of the Argonne Universities Association, the corporation formed by twenty-six midwestern universities to participate in the policy determination of the Argonne National Laboratory, which does research in the sciences related to atomic energy and nuclear technology. Dr. Williams was elected to the Academy in 1961.





Election to the National Academy of Sciences in 1958 is only one of the honors bestowed by scientific organizations upon **Professor Emeritus Izaak M. Kolthoff**, former Chief of the Division of Analytical Chemistry. Directed in his research by the principle that "theory guides, [but] experiment decides," Dr. Kolthoff evolved and critically tested many quantitative procedures. Professor Kolthoff helped develop synthetic rubber during World War II when a substitute product was badly needed. Since joining the University faculty in 1927, Dr. Kolthoff has been interested in the field of polarography and has carried out studies in various areas of analytical chemistry, including his work with precipitates.



Much of the research carried out by **Dr. Alfred O. C. Nier**, Professor of Physics, involves the mass spectrometer, an instrument which he developed to sort and identify atoms or molecules. Using the mass spectrometer in nuclear research, Dr. Nier isolated Uranium 235, a discovery which added greatly to the fundamental knowledge of atomic energy. Discoveries resulting from Dr. Nier's work with the mass spectrometer also apply to problems in chemistry, biology, engineering, geology, and geophysics. Dr. Nier was elected to the National Academy of Sciences in 1950.



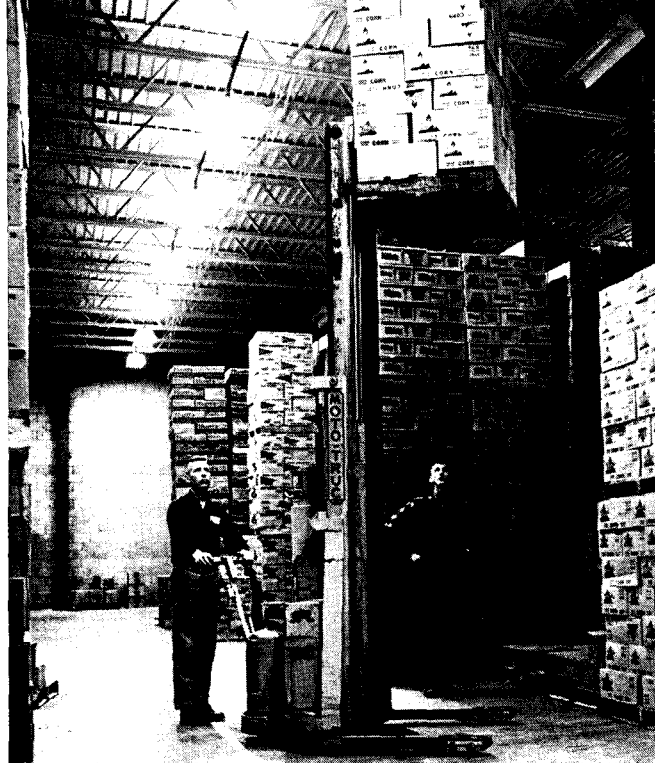
Educated at the University of Minnesota, **Dr. Cecil J. Watson**, Head of the Department of Medicine in the College of Medical Sciences, has spent most of his medical career at the University. Joining the faculty in 1933, Dr. Watson became chairman of his department in 1943. Noted for his work with liver and biliary tract diseases, porphyria, and porphyrin metabolism studies, Dr. Watson won election to the National Academy of Sciences in 1959. As an expert in the field of porphyrins, Dr. Watson has traveled widely to conduct or participate in medical conferences in Europe and the Middle East. On July 1, Dr. Watson will become director of a University unit for teaching and research at Northwestern Hospital.



Research to establish disease resistance in crop plants, particularly the control of rust in wheat, is the life-long work of **Professor Emeritus Elvin C. Stakman**, former Head of the Department of Plant Pathology and Botany. As a special consultant in agriculture to the Rockefeller Foundation, Dr. Stakman participates in the Foundation's program aimed at the conquest of world hunger, a project which seeks to increase yields of basic food crops and to breed crops that will withstand adverse growing conditions of many of the food-scarce areas of the world. Dr. Stakman was elected to the National Academy of Sciences in 1934.

Currently a resident of Princeton, New Jersey, **Professor Emeritus Edward C. Kendall** was elected to the National Academy of Sciences in 1950. As a Professor of Physiologic Chemistry at the Mayo Foundation (now the Mayo Graduate School of Medicine), Dr. Kendall earned fame for his intensive work on both the theory and the partial synthetic production of cortisone. Because of this research, Dr. Kendall shared, with the late Dr. Philip S. Hench of the University and Dr. Tadeusz Reichstein of Switzerland, the Nobel Prize for medicine in 1950. Prior to his findings on cortisone, Dr. Kendall isolated thyroxine, the active constituent of the thyroid gland.





SUPPLYING FOOD FOR UNIVERSITY KITCHENS

A Million Dollar Business

By Bayle Greenberg

The food storage room is piled to the ceiling with cases of canned goods, cereals, and other non-perishable foods. Mr. William Peters and Mr. Tom Bruner, principal storage clerks, have the job of filling the many orders that come in for these goods.

Buying meat and groceries for the residence halls, hospitals, and student unions on the Minneapolis-St. Paul campus is a million dollar business.

Pasteurizing and bottling milk and cream for thousands of thirsty students is another major undertaking.

The two enterprises—the Food Stores and the Milk and Cream Departments—are housed in two relatively new buildings, joined together to look like one, and located on the University's Como Avenue property between St. Paul and Minneapolis.

Almost all food served in dining rooms, cafeterias, snack bars, and hospitals is purchased from the Food Stores department, which operates like an independent food wholesaler. Carloads of frozen foods, canned goods, and staples are bought by bid from food brokers throughout the country. Meats are purchased in thousand-pound quantities, directly from the meat-cutting department.

Food Stores is an independent, self-supporting department within the University. It sets its own prices and is responsible for its own expenses. Last year, its dollar volume was \$1,116,916. Each University kitchen is a separate customer, placing its orders for meat and groceries and paying its bills exactly as if it were buying from a commercial dealer.

Maintaining a central foods depart-

ment has one outstanding advantage: it saves money. By pooling all the food needs of the University and purchasing in enormous quantities, prices can be kept far lower than if each University food department bought its own raw foods on the open market.

A second important advantage and one of the chief reasons for the establishment of the Food Stores Department, is quality control. About 1918, the old Cold Storage Plant on the St. Paul campus was given the job of central meat purchasing and control to make sure the University was getting a high standard of meat at all times. Later, Cold Storage also took over the assignment of ordering fresh fruits and vegetables, and still later, frozen foods. When construction of the present Food Stores building was completed in 1959, these operations were combined with the handling of canned and dry foods.

Frozen food quality is maintained by buying food where it is processed and storing it immediately in Food Stores' own freezer room. To get the lower price and assure product uniformity, most canned goods are purchased once a year. Other goods which are also ordered once a year for economy reasons are delivered at specified intervals to insure freshness.

Mr. Glenn Pearson, the manager of Food Stores, started twenty-six years ago as a meat cutter at the University

and has grown with the Department. Now, he has nine full-time assistants, as well as part-time student help. Assisting Mr. Pearson is Mr. Leo Reither, who is in charge of the meat department.

In the meat department, thousands of pounds of beef, pork, lamb, and poultry are processed each week. Hamburger, expectedly, is the most popular item; about 6,000 pounds are ground during an average week.

"Our hamburger is the finest you can make," Mr. Pearson says proudly. A special machine grinds about 1,500 to 2,000 pounds at a time and forms it into patties. A second special machine cubes meat for stews at the rate of 100 pounds in five minutes.

Any cut of meat can be ordered from the meat department. Tenderloin steaks are a popular request for banquets. The tenderloins are usually bought when the price is favorable, then trimmed, cut, and frozen for future orders.

One of the few staple foods which the Food Stores does not stock is bread. Many years ago, the University had its own bakery, but, according to Mr. C. Luverne Carlson, director of University Services, it is more efficient and economical to buy from commercial bakeries. Each kitchen, however, has its own small bakery for special items.

Food Stores owns its own trucks and delivers meat and produce daily, non-perishable foods once a week. Canned and packaged foods are often ordered from Food Stores by the Morris campus and by some University experiment stations as well.

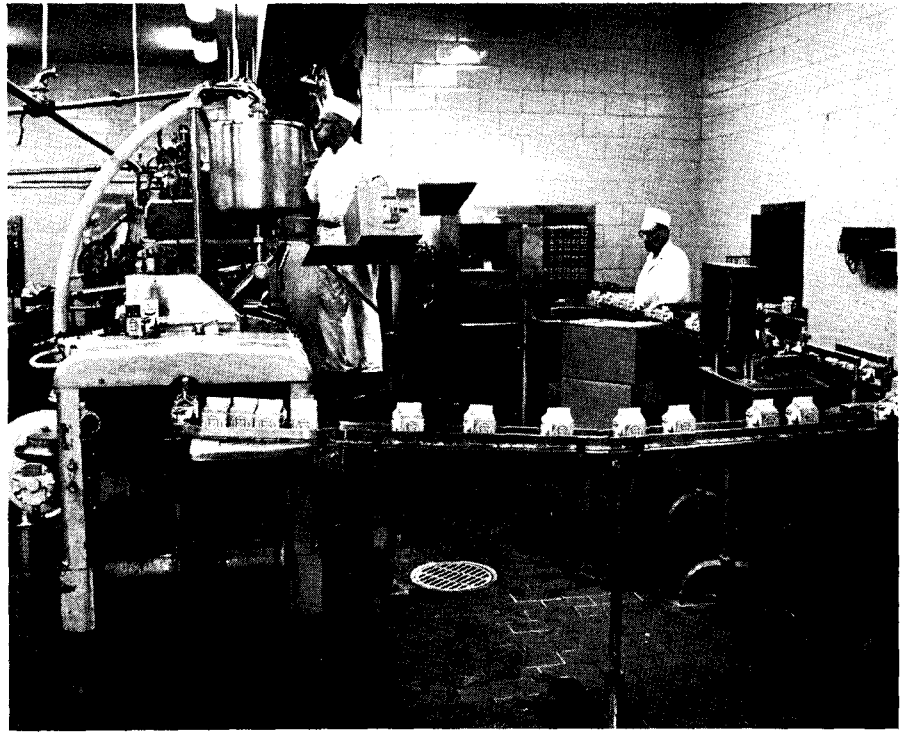
Milk and Cream Department

Of equal importance in meeting the food needs of the University is the Milk and Cream Department—an operation resembling any local, top-notch commercial creamery.

Mr. William G. Marsh, who has managed the department since 1943, reports that about 7,600 gallons of raw milk are purchased every week for pasteurization, homogenization, and packaging. An additional 2,900 gallons of skim milk are bought weekly, as well as 300 to 350 gallons of cream.

The University no longer uses milk produced by its own dairy herd. That milk is sold to the Twin City Milk Producers Association, and the University, in turn, buys its raw milk there. The chief reason for this arrangement, Mr. Marsh explains, is that the University would have to own large milk tank trucks in order to transport milk to the Milk and Cream building. This would be more costly than buying directly from the Association.

The Milk and Cream Department was started in 1934 as an economy measure. It was first operated by a



Mr. William Hart and Mr. Ray Newmann, senior creamery workers, package milk in the Milk and Cream Department. Between 15,000 and 17,000 cartons of milk are filled daily, in one quart, one-third quart, and one-half pint sizes.

full-time manager with the assistance of students taking the dairy manufacturing course. By the early 1940s this was expanded into a seven-day, round-the-clock operation with full-time employees. Modernization of the department began in 1946 with the installation of new vats, pumps, and

other equipment. In 1960, the project moved from its quarters in Haecker Hall to its new plant adjoining the Food Stores building.

All milk used in all food services, dining rooms, and vending machines on the Minneapolis-St. Paul campus is now packaged at the Milk and Cream building. About 500 to 600 six-gallon plastic bags are filled daily for use in dormitory milk dispensers. The University was one of the first in the country to use these disposable bags, which eliminate the need for washing and returning metal milk cans.

The Department also makes and bottles fruit juices for distribution in large quantities; it also produces whipping cream, half-and-half cream, and ice cream. About 30,000 gallons of ice cream are made each year.

The Milk and Cream Department employs only three full-time persons to run its grade A milk and cream plant. Other staff members are employed to make deliveries and do office work.

Mr. Carlson, who coordinates all University services, says that these departments are giving invaluable assis-

(continued on page 10)



Mr. Leo Reither, head of the meat section, and Mr. Glenn Pearson, manager of Food Stores, are responsible for seeing that rigid quality tests are conducted on all meats in the Food Stores Department.



Dr. Charles E. Lindemann, Clinical Assistant Professor at the University and a physician in private practice, finds time to supervise the medical examinations made by senior medical students of patients in the New Patient Medicine Clinic, University Hospital.

Recent Publications of Staff Members

Professor Benjamin E. Lippincott, Political Science, *Democracy's Dilemma*. Ronald Press.

Dr. Henry Allen, Professor and Coordinator of Student Religious Activities, co-edited a booklet with Mr. Willoughby Babcock (Minnesota Historical Society) and Mrs. Beverly Johnson (*St. Paul Pioneer Press*), *Minnesota's Indian Citizens—Yesterday and Today*. Governor's Human Rights Commission, State of Minnesota.

Assistant Professor Donald R. Stieper and Associate Professor Daniel N. Wiener, Division of Clinical Psychology in the Department of Psychology, *Dimensions of Psychotherapy*. Aldine, Chicago.

Unpaid Staff

(continued from page 3)

years have the training directors been given academic rank at the University.

The College of Education and the School of Social Work have programs similar to that of the Psychology Department. The nonsalaried staff members in the College of Pharmacy and the College of Veterinary Medicine serve primarily as classroom lecturers, instructing students in specialized areas.

Most of the staff members without University salaries in the Institute of Agriculture are employed by the United States Department of Agriculture. Their chief function is to carry on research projects which the Univer-

sity ordinarily does not conduct. On the campus as full-time faculty members, they use University facilities, but their projects are supported by federal funds. Although they may work with students, they seldom give classroom lectures.

An increasing number of departments and schools are making use of unsalaried staff members. Though not sure of title, units of the University that have not yet done so are considering giving academic rank to their unpaid staff members, consultants, and lecturers. Soon there may well be faculty members at Minnesota with new titles such as adjunct professor, advisory professor, brevet professor, warrant professor, or consultative professor.

Concepción

(continued from page 5)

structure of the University have been accepted on both the business and academic sides, and implementation of these changes have begun. New and expanded systems for the recording, analysis, and reporting of the business and financial, as well as the academic, facts and figures have been developed and introduced.

The organization of the scattered library staff and the several collections for an eventual move into a new Central Library has begun, and the construction of a central catalogue has been started.

In addition to these (and many other) forward moves made on the Concepción campus, nine members of the University of Concepción have been sent abroad. Three of these came here for one-quarter visits to study and observe various instructional programs, and six were given longer leaves and scholarships for graduate study in their special fields. Three of these are now in residence in the Graduate School at Minnesota.

Those of us assigned to Concepción during this initial year found ourselves in a situation unusually favorable for the accomplishment of our functions as advisers and assistants to our Concepción colleagues. We were not imposing an outside set of plans, but were there solely to aid the Concepción staff mem-

bers in carrying forward their plans. We found the administration and faculty with whom we dealt to be perceptive in seeing uses for our talents, and to be friendly and cooperative in working with us. And we found working with the *reforma* to be intellectually exciting.

The reformation of a major educational institution is a long and difficult process and many additional steps will need to be taken. New problems, both organizational and curricular, are still to be faced. Certainly the momentum achieved in this first year is substantial. Our experience suggests that the continuing association of Minnesota and Concepción will be exciting for the faculty participants from each institution, and that benefits to both institutions in developing educational programs will be substantial.

Food

(continued from page 9)

tance to the University in terms of service, quality, and price.

"They're on their own," he pointed out. "As long as they fulfill these terms on a self-supporting basis, they're in business." Judging from appearances, the Food Stores and the Milk and Cream Departments are in business to stay.

University of Minnesota Calendar of Events

February 7-15, 1966

UNIVERSITY ARTISTS COURSE

Northrop Auditorium

Special Attraction

Saturday, February 12—Parade of Quartets, Heart Hospital Research Benefit, 8:00 p.m.*

CONVOCATIONS

*Northrop Auditorium, 11:30 a.m.
(Open to the public without charge)*

Thursday, February 10—Joseph Wolpe, M.D., Professor of Psychiatry, Department of Behavioral Science, Temple Medical Center, Philadelphia, Pennsylvania

UNIVERSITY THEATRE PRODUCTIONS

Scott Hall Auditorium Series

Tuesday, February 8, through Saturday, February 12, 8:00 p.m. Tuesday, February 8, and Sunday, February 13, 3:30 p.m. *Brand* by Henrik Ibsen (Tickets Sunday through Friday, \$1.75; Saturday, \$2.00)

MUSIC DEPARTMENT PROGRAMS

(Open to the public without charge)

Tuesday, February 8—Music Hour, 11:30 a.m., Scott Hall Auditorium
Tuesday, February 15—Music Hour, 11:30 a.m., Scott Hall Auditorium

ART EXHIBITIONS

University Gallery

*Northrop Auditorium, 8:30 a.m.-4:30 p.m.
Monday through Friday*

Through Tuesday, February 15—Works of Norwegian painter Herbjorn Gausta
Monday, February 14, through Friday, March 18—Universal Limited Art Edition, contemporary lithographs
Monday, February 14, through Friday, March 18—Zigmunds Priede, lithographs
Friday, February 18, through Friday, March 18—Ceramics Exhibit, Clayton Bailey, potter from Wisconsin State University

St. Paul Campus Student Center Galleries

*Sunday 12:00 noon-11:00 p.m.
Monday through Saturday
8:00 a.m.-10:00 p.m.*

Monday, January 31, through Monday, February 21—Gerhard Fuhrman, pen and ink, oils
Tuesday, February 1, through Friday, February 25—Faith Lowell, mixed media
Tuesday, February 22, through Tuesday, March 8—Florence Page, oils, and Rosemary Hawkinson, oils

ATHLETIC DEPARTMENT EVENTS

Home Basketball Game

Williams Arena, 8:00 p.m.

Saturday, February 12—Michigan State University (Reserved seats \$2.00; general admission \$1.50. Over-the-counter sale opens Monday before each game at Cooke Hall, Downtown Ticket Office, 158 Cargill Building, Minneapolis; and Field Schlick, St. Paul.)

Home Hockey Game

Williams Arena, 8:00 p.m.

Tuesday, February 8—University of Minnesota, Duluth (Reserved seats \$2.00; general admission \$1.50. Over-the-counter sale opens Monday before each game at Cooke Hall, Downtown Ticket Office, 158 Cargill Building, Minneapolis, and Field Schlick, St. Paul.)

Home Swimming Meet

Cooke Hall

Saturday, February 12—Purdue University and University of Wisconsin, 2:00 p.m. (Reserved seats on sale at Cooke Hall only the week of the game \$1.50; general admission \$1.00 sold at gate only.)

MINNESOTA MUSEUM OF NATURAL HISTORY

Sunday Program

*Museum Auditorium, 3:00 p.m.
(Open to the public without charge)*

Sunday, February 13—*Bulldozing America*, color sound film

UNIVERSITY FILM SOCIETY

*Shown at the Museum of Natural History
Auditorium, 7:30 p.m.*

Friday, February 11—*Tete Contre Le Murs*, directed by Georges Franju (France, 1958)

SIGNIFICANT UNIVERSITY BROADCASTS

*A Service of the General
Extension Division*

Radio

KUOM, 770 on the dial

Mondays, 2:30 p.m.—“The Afternoon Concert,” will feature concerts from The Cincinnati Music Festival and The Exposition of Contemporary Music held recently at the University of Cincinnati including performances and repertoire of unusual interest.

Monday, February 7—Stanislaw Skrowaczewski conducts the Cincinnati Symphony.

Monday, February 14—Robert Shaw conducts the Cincinnati Symphony Orchestra.

Monday, February 21—Robert Shaw conducts.

Monday, February 28—The LaSalle Quartet plays works of Ben Johnston, Gunther Schuller, and Leon Kirchner.

Tuesdays, 12:05 p.m.—“Concerts and Lectures Report.” Each week James S. Lombard, Director of the Department of Concerts and Lectures, discusses the forthcoming programs which make the campuses of the University the cultural hub of the Upper Midwest.

Mondays, Wednesdays, and Fridays, 11:00 a.m. “Humanities in the Modern World 2A.” Robert L. Scott, Professor of Speech and faculty member in the humanities program, continues KUOM’s classroom series with lectures on the period of the industrial revolution.

Thursdays, 4:00 p.m.—“Science Magazine.” Each of these programs will present short talks, reports, and interviews on recent advances in science.

University Television Hour

Channel 2, KTCATV

Mondays, 9:00-9:30 p.m.—“Revolution in the Schools,” with Professor Stan Kegler, Associate Dean of the College of Education, and guests from the University

Mondays, 9:30-10:00 p.m.—“World Affairs—Vietnam Briefing,” with Major Linton Beasley, Assistant Professor of Military Science and former U.S. Adviser to Vietnamese Military Units, and Major Daniel Zenk, Assistant Professor of Military Science

Tuesdays, 9:00-10:00 p.m.—“Utopia and the Human Condition,” with Professor Mulford Q. Sibley of the Department of Political Science

Wednesdays, 9:00-9:30 p.m.—“Folio,” with Arnold Walker of the Department of Radio and Television

Wednesdays, 9:30-10:00 p.m.—“The Dynamics of Desegregation,” a nationally produced series which surveys the problems of interracial relationships against a world background

Thursdays, 9:00-9:30 p.m.—“Going to College,” with Professor Leonard Bart of the Department of Speech and Theatre Arts; and Marilyn Staubly and Carol Pine, University students

Thursdays, 9:30-10:00 p.m.—“Town and Country,” with Professor Ray Wolf of the Institute of Agriculture

Fridays, 9:00-9:30 p.m.—“Sight-Sound and Movement—A World of Happening in the Arts,” with F. W. Hayman-Chaffey, Visiting Professor of Art

Fridays, 9:30-10:00 p.m.—“It’s a Jet-age Home,” with Mary E. Ryan and Barbara Killen, Extension Specialists Consumer Marketing

* Reservations may be made at 105 Northrop Memorial Auditorium.

Tickets for these events are also available at Dayton’s and Field-Schlick on Monday of the week prior to performance.

University of Minnesota Calendar of Events

February 16-28, 1966

UNIVERSITY ARTISTS COURSE

Northrop Auditorium, 8:30 p.m.

Celebrity Series

Friday, February 18—Kingston Trio.
Thursday, February 24—Rumanian Folk Ballet and Gypsy Orchestra*

CONVOICATIONS

(Open to the public without charge)

Thursday, February 17—Teddy Charles and His Quintet, "New Directions in Jazz." 11:30 a.m. and 12:30 p.m., Coffman Memorial Union Main Ballroom

Thursday, February 24—Charter Day Convocation, 11:30 a.m., Northrop Auditorium

MUSIC DEPARTMENT PROGRAMS

(Open to the public without charge)

Tuesday, February 22—Music Hour, 11:30 a.m., Scott Hall Auditorium

Friday, February 25—Concert Band Ensemble, 8:30 p.m., Northrop Auditorium

MINNESOTA MUSEUM OF NATURAL HISTORY

Sunday Programs

Museum Auditorium, 3:00 p.m.

(Open to the public without charge)

Sunday, February 20—"Geology of the Black Hills—Badlands," Dr. George Rapp, Associate Professor, Geology and Geophysics, University of Minnesota

Sunday, February 27—"Wildlife Research in Yugoslavia," Dr. John R. Tester, Associate Professor and Ecologist, Minnesota Museum of Natural History

* Reservations may be made at 105 Northrop Memorial Auditorium.

Tickets for these events are also available at Dayton's and Field-Schlick on Monday of the week prior to performance.

ATHLETIC DEPARTMENT EVENTS

Home Basketball Games

Williams Arena

Monday, February 21—Ohio State University, 8:00 p.m.

Saturday, February 26—University of Illinois, 3:00 p.m. (TV) (Reserved seats \$2.00; general admission \$1.50. Over-the-counter sale opens Monday before each game at Cooke Hall, Downtown Ticket Office, 158 Cargill Building, Minneapolis, and Field Schlick, St. Paul.)

Home Hockey Games

Williams Arena, 8:00 p.m.

Friday, February 18—University of North Dakota

Saturday, February 19—University of North Dakota (Reserved seats \$2.00; general admission \$1.50. Over-the-counter sale opens Monday before each game at Cooke Hall, Downtown Ticket Office, 158 Cargill Building, Minneapolis, and Field Schlick, St. Paul.)

Home Swimming Meets

Cooke Hall

Saturday, February 19—Michigan State University, 4:00 p.m.

Thursday, February 24—Varsity vs. Freshmen, 7:00 p.m. (Reserved seats on sale at Cooke Hall only the week of the meet \$1.50; general admission \$1.00 sold at gate only.)

Home Track Meets

Field House

Saturday, February 19—Northwest Open Meet, 9:30 a.m.

Saturday, February 26—University of Iowa, 1:00 p.m.

Home Wrestling Meet

Williams Arena

Saturday, February 26—University of Colorado, 5:00 p.m.

Home Gymnastics Meets

Cooke Hall

Saturday, February 19—Northwestern Open Meet, 1:00 p.m.

Saturday, February 26—Indiana University and University of Chicago, 2:00 p.m. Tickets for Wrestling, Gymnastics, and Track are sold at gate only, \$1.00 each.

UNIVERSITY THEATRE PRODUCTIONS

Scott Hall Auditorium Series

Thursday, February 24, through Saturday, February 26, 8:00 p.m. *An Italian Straw Hat* by Eugene Labiche and Marc-Michel (Tickets Thursday, Friday, \$1.75; Saturday, \$2.00)

Shevlin Hall Arena Theatre

Thursday, February 17, through Saturday, February 19, and Tuesday, February 22, through Saturday, February 26, 8:00 p.m. Sunday, February 27, 3:30 p.m. *The Ballad and To Catch a Fish* by Fred Gaines (Tickets Sunday through Friday, \$1.25; Saturday, \$1.50)

UNIVERSITY FILM SOCIETY

Shown at the Museum of Natural History Auditorium, 7:30 p.m.

Friday, February 18—*Les Abysses*, directed by Nino Papatakis (France, 1963)

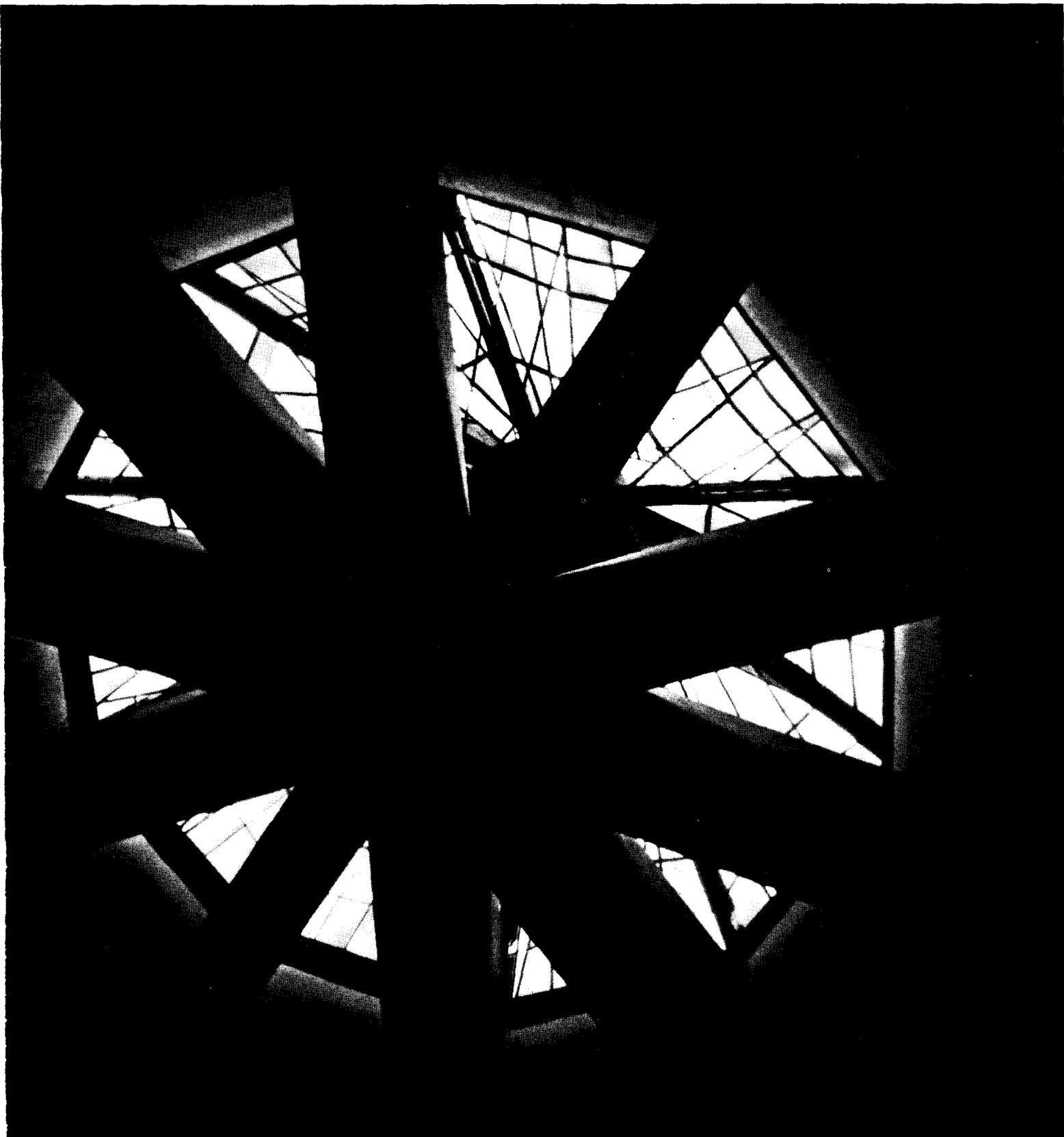
Friday, February 25—*La Terra Trema*, directed by Luchino Visconti (Italy, 1948)

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THE MINNESOTAN

The University Staff Magazine - March 1966



The President's Page



Photo by Alan Ominsky

At our most recent quarterly meeting with University student leaders, the discussion centered on undergraduate instruction at the University. It was, in my view, an especially useful evening, and I would like to share with you some of the ideas that were discussed.

Students seemed eager for reassurance that instruction occupies a position of high priority among the multiple responsibilities of the University. In a state and land-grant institution, we commonly speak of three missions: teaching, research, and service. We cannot afford to slight any one of these responsibilities. To some part of our public, each one may seem to demand prior attention. A university such as ours, therefore, may always operate in an atmosphere of pressure and tension; yet, conceived properly, these missions may as frequently reinforce each other as they compete for University time and resources.

This is clearly true of the teaching function of the University. Our teaching obligations are twofold. One is to serve the needs of our current undergraduate population in the best manner possible. The other is to insure a steady flow of graduate personnel, so that future college students can be provided with instructors. Essential to the training of future college faculty members is an exposure to teaching, research, and service. Current teaching experience for tomorrow's professor is as essential as was the graduate training of today's accomplished teacher. It is an obligation we cannot ignore.

There is in the minds of student leaders, and there may be, in fact, a genuine clash of interests between our undergraduate and graduate missions. Stated briefly, the undergraduate doubts the commitment of the graduate student to his teaching assignment. The graduate student who aspires to teach needs, and should value, the experience. At least one of our departments was given high praise for its concern about the quality and the development of quality instruction by its teaching assistants. I hope all departments will earn such praise.

In many parts of the University, faculty and students are discussing separately and in joint sessions measures to enrich the educational experience. Instruction is the central concern of the Center for Human Learning and the Center for the Study of Programmed Learning, and the innovations of our Honors Programs underline the faculty's genuine concern for the undergraduates' environment for learning. Developments and refinements of curriculum by the Council on Liberal Education focus on the undergrad-

uate, and the University now has been given the means to honor undergraduate teaching by the Standard Oil Foundation.

A great university serves a public that is intense in its demands. That public has come to expect no less than excellence in areas of service, research, and instruction - both undergraduate and graduate. To diminish expectations of those we serve in any area would be as unpalatable to us as it would be to them. Therefore, as we focus our attention on improvements in undergraduate instruction, we need to recognize that our improvement must be won within the context of the University's total responsibilities. On occasion, the sum of our missions may be frightening. It is always exciting. Without research and service, but most of all, without students, life could be dull.

Meredith Wilson

On the cover . . .

is the view of the Meditation Room dome, as seen through the structural concrete beams. See the story on page 4.

VOL. XVI THE MINNESOTAN No. 6

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The Archives Stores the University's Past

Mrs. Maxine Clapp is in charge of collecting the pieces for a huge "jigsaw puzzle." Old documents and manuscripts, tintypes, books, maps, blueprints, paintings, newspapers, photographs, and letters make up the thousands of items that are parts of the puzzle. This is the University Archives; it exists to tell the story of the University and the people who were a part of it. Some of its possessions date as far back as the early 1850s, when the University was an infant school in the Territory of Minnesota.

On January 6, 1928, the Regents designated the Director of Libraries (presently Dr. Edward B. Stanford) as University Archivist. Until 1947, when the University began to prepare for its Centennial in 1951, little serious attempt had been made to collect, house, and catalog materials relating to the University. In that year, author James Gray, who had been given the task of writing a history of the University, found needed materials either completely lacking or else scattered over the campus. In 1951, the Archives moved to its present location—Room 11 in Walter Library, with additional storage space in the basement of Johnston Hall.

It is here that Mrs. Clapp, Miss Clodaugh Niederheiser, her assistant, Mrs. Penelope Krosch, Librarian, and Mrs. Audrey McClellan, Graduate Librarian, collect, sort, index, and file the materials they receive for the Archives. Whenever anything comes into the Archives, it is at least temporarily labelled so that it is "under control," that is, it can be easily located. "We can put our hands on almost anything you ask us for," Mrs. Clapp said. Later, the materials undergo processing, which includes an inventory and often a description of the papers. This is typed and a copy is sent to the department which donated the materials.

The Archives has more than 1,600,000 manuscripts and about 15,000 pictures and negatives in its possession. For the most part, the Archives depends upon the departments to enrich its collection, but individuals also con-

tribute historical materials. According to a Regents' ruling, University departments must turn over noncurrent files to the Archives Librarian. "Old papers are kept for their legal, financial, administrative, or historical importance," Mrs. Clapp said. "If they have any one, or any combination, of these values, the University is interested in them." Mrs. Clapp continued, "The departments can donate their papers when they no longer need them. The University is concerned that nothing of value is thrown away."

Once departmental papers are in the Archives, ownership still remains with the office from which they came. This is to say, unless written permission is given, no one except the office of origin has access to the papers. Personal papers are open to research according to the wishes of the donors.

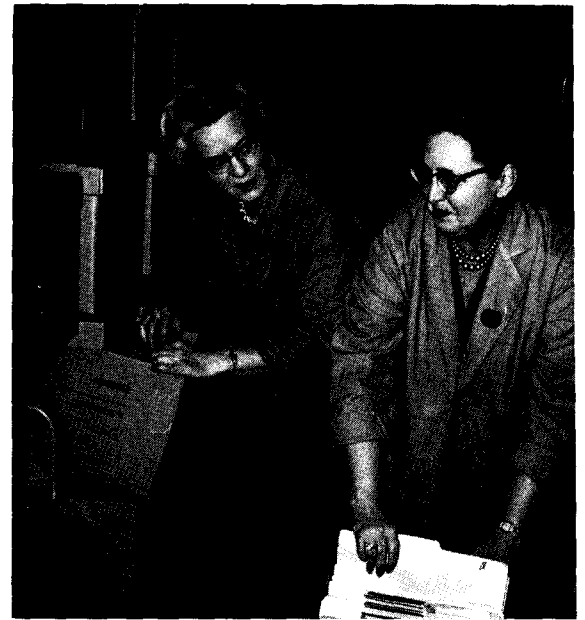
"Our work is exciting and fun," Mrs. Clapp said. "You never know what you're going to run into next. It's like a big jigsaw puzzle. Each piece adds to the University's history. Teaching, business, research, students—the interaction of all these is the history of the University," she added.

Mrs. Clapp pointed to some of the Archives' possessions with pride. "We collect the papers of the officials of the University as they pursue their daily work," she said. "Biographies of individuals who were connected with the University for many years would be incomplete without checking the Archives. For instance, we have all of the letters and papers of the late President Guy Stanton Ford from the time he was Dean of the Graduate School through his presidency," she said.

Every book that the University Press has published is shelved in chronological order in the basement of Johnston Hall. "We also have them indexed according to author and title," Mrs. Clapp added, "but no one comes to us to study something like Japanese economy, which is what one of the books is about; people come to us because they're interested in the University Press."

Mrs. Clapp mentioned that the Ar-

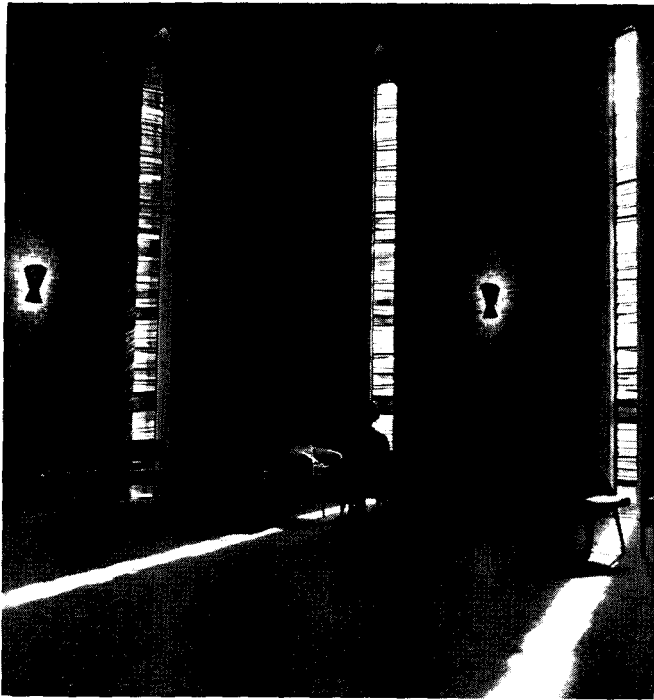
chives has copies of *The Minnesota Daily's* predecessor, *Ariel*, published from 1877 to 1900, when *The Daily* took over as the student voice. "We try to get one copy of every University publication as well as everything published about the University," she said. The Archives also serves as a clearinghouse for requests for University publications. Last year, Mrs. Clapp and her staff handled more than 800 such requests.



Miss Niederheiser and Mrs. Clapp have filed the departmental papers in cardboard boxes in the basement of Johnston Hall. Miss Niederheiser has worked in the Archives for five years, and Mrs. Clapp has been there for fifteen years.

Through the years, the Archives has acquired an interesting collection of University Homecoming and E-Day buttons. The 1923 Homecoming button shows an old-fashioned football helmet, and the 1944 button is made out of paper because metals were needed for the war effort. The E-Day buttons demonstrate our technical advances, with the earlier buttons depicting propeller planes and the later ones bearing rockets and space capsules! It is interesting to note that on the face of

(continued on page 10)



The Meditation Room

A Quiet Retreat

By Mrs. Bayle Greenberg

The Meditation Room offers a peaceful atmosphere where troubled families can find a soothing retreat.

The new Meditation Room at Mayo Memorial Hospital is a most unusual structure—in design, in its exceptional beauty, and in the way in which it came into being.

The Room, which cost about \$181,000, was given to the University anonymously by the family of a patient who had been hospitalized for a long time before his death. During their long vigil, the members of the family felt a strong need for a quiet, spiritual place where they could go, individually or together, to think, to talk quietly, and to gain renewed strength and courage. Because no such place existed within the hospital, and because this family perceived that many others must feel the same deep need for quiet meditation, the Room was built.

The gift carried only one basic stipulation: the Room must be distinctly religious in feeling, yet totally non-denominational in design. The donors wanted no symbols of any faith, no church-like atmosphere or formal pews. The Room must offer solace and repose to people of every belief.

That this purpose has been carried out is clearly apparent. Although the Meditation Room is located just a short distance from the busy hospital lobby, it could be miles away, so quiet and

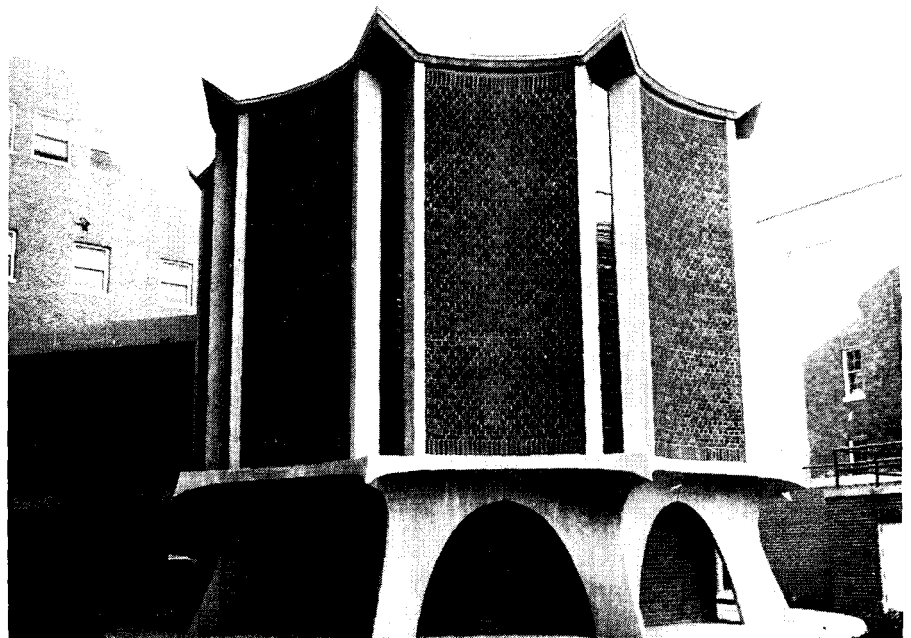
tranquil is its mood. Architect Clayton Page, of the firm of Cavin and Page, designed the Room so that one goes from the "secular, pedestrian atmosphere" of the hospital, through a sunny, windowed corridor, then through heavy oak doors to a somber, darkened vestibule, and finally, through a second pair of doors into the uplifting brightness of the Meditation Room itself. The two-story-high interior is ten-sided, basically round in shape, as were the tabernacles of the Old Testament and of the Moslem religion as well. The walls are of colonial brick, separated

by tall, narrow windows of stained glass designed by Minnesota artist William Saltzman. A stained glass dome, also designed by Mr. Saltzman, tops the Room, and beneath it, beams of structural concrete radiate like spokes of a wheel.

Mr. Saltzman's windows are horizontal strips of brilliantly colored stained glass, which start with varying shades of rich green near the bottom and gradually change to browns, reds, and, finally, blues at the top. If one looks at all of the windows, as they circle the room, one can see the "hori-

The building is supported by ten arching concrete piers, which make the Room look as if it were resting on a platform.

St. Paul Dispatch-Pioneer Press photo



Room

(continued from page 4)

zontal rhythm of rolling hills, horizon and sky above," which is the artist's main theme.

"Instead of creating absolute symbols," Mr. Saltzman says about his work, "I wanted to create a spirit common with all. The beauty and dominance of horizontal line and color in abstract develops a mood which leaves lots of room for one's own interpretations instead of giving definite answers."

The Meditation Room is softly carpeted and furnished with small clusters of chairs and tables, set far enough apart so that several groups can be in

photo by Alan Ominsky



The entrance to the Meditation Room is also framed by stained glass windows.

the room at once without disturbing each other. Off the corridor leading to the Meditation Room, a door opens into a small room, which, though a part of the Meditation Room, is architecturally separate. In this room, clergymen and doctors, by appointment, can hold private consultations with patients and relatives. Individual storage space is provided there for use by the clergy of each faith.

The outside of the Meditation Room is equally striking in appearance. Ac-

(continued on page 10)

The Benefactors

Dr. Helen Lasby Jeffrey

University of Minnesota President Emeritus Guy Stanton Ford died on December 29, 1962. On January 1, 1963, Dr. Helen Lasby Jeffrey, Silver Spring, Maryland, sent to the University a contribution in his memory. In the letter forwarding her gift, she said that she was considering a memorial to her father, William F. Lasby, who was Dean of the School of Dentistry prior to his retirement in 1915. She asked for information and advice.

Dr. Jeffrey received a letter of thanks, an official receipt, and a stamped and addressed memorial card which she was requested to send on to Mrs. Ford after she had looked at it—all of this is standard procedure of the Memorial Fund. But within a few days, Dr. Jeffrey received a second letter describing the University of Minnesota Memorial Fund, its organization, its purpose and function, and the possible ways in which gifts could be made to the Fund. The letter contained information about several needs that she might consider, each involving different sums of money.

Dr. Jeffrey did not acknowledge this letter, but, as we now know, she signed her will on April 3, 1961, and on January 10, 1965, she died of cancer.

In her will, Dr. Jeffrey, after making several token gifts to friends, left her estate to the University of Minnesota Memorial Fund and to the University of Kentucky. The half that went to Kentucky was to be used for research scholarships in memory of her husband, long associated there as a Professor of Chemistry. The other half came to the University of Minnesota Memorial Fund as a memorial to her father "... to be used for any purpose which the Fund may desire. . . ."

Within a few months, the Memorial Fund Committee will begin to discharge its obligations under the will by deciding how some \$180,000 will be

used to preserve the name and memory of Dean Lasby.

Dr. Helen Lasby Jeffrey was graduated from the University of Minnesota in 1930 with a Bachelor of Arts degree; one year later she received her Master's, and in 1934 she was graduated with a Ph.D. in Agricultural Biochemistry.

At the time of her death, Dr. Jeffrey was Executive Secretary of the Medic-



Dr. Jeffrey

inal Chemistry Study Section at the National Institute of Health, a federal agency under the Department of Health, Education, and Welfare. In her position she was responsible for the evaluation of requests for research grants in her field.

Dean William F. Lasby, who retired from the University in 1915, died in 1953. The School of Dentistry, all persons seem to agree, made great strides under Dean Lasby, who was its Dean for 38 years. During these years, the dental program evolved into two years of pre-dental and four years of dental professional study.



Consultation on film production problems is a valuable service offered to all University departments. Production Manager Donald Cain may give technical advice to departments which are making their own films or advise on equipment purchases.

WE The Staff Members of the Motion Picture Production Division

The main office, studios, and laboratories of the Motion Picture Production Division of the Audio-Visual Education Service are tucked away in the basement of Wesbrook Hall, but the scope of its 16mm film services extends to the entire University, over much of the state, and currently to Alaska under a contract with the National Aeronautics and Space Administration.

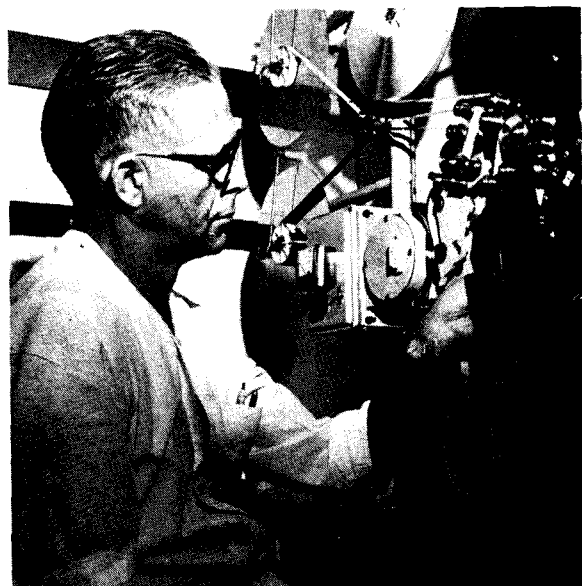
Created as a service to the University, the Division carries out all phases of motion picture production. Under the direction of Production Manager Donald Cain, Motion Picture Production engages in sound-on-film photography, animation filming, black and white 16mm film processing and printing, color film strip production, and full studio filming in the Division's sound stage in North Hall on the St. Paul Campus. The Division's Instant Copy Service in Walter Library and in the West Bank Social Science Building handles opaque copying and 16mm and 35mm microfilming.



At the editing machine, Mr. Edward Monahan, Senior Communications Technician, carries out another phase of film making. Mr. Monahan is involved in all steps of movie production, supervises quality control in the lab, and specializes in medical films.

A photography hobby led Mr. Richard Freeman to his new duties as Communications Technician in Motion Picture Production. Mr. Freeman prepares to film printed material on the titler.

The domain of Mr. Lee Carroll, Senior Communications Technician, is the laboratory where film is processed and printed. Mr. Carroll uses the printer which can print both silent and sound film, as well as black and white and color.



The Minnesotan



Mr. Paul Eide, Communications Technician, enjoys the variety of his assignments. During the winter, he photographs the Minnesota basketball games and recently has been preparing a film on testing for the Institute of Child Development. Mr. Eide also does some of the art work and here makes sketches for film animation.



Mr. George Beckwith, Communications Technician, heads a crew of part-time student workers who fill orders for copying and microfilming. Requests for material which only can be found at the University come to Instant Copy from all over the world.



Miss Kay Bisher, Receptionist, keeps track of film used by photographers, and supervises distribution of pictures taken by the St. Paul Photo Lab for Minneapolis Campus departments.



Mr. James Butler, Principal Communications Technician, carries out all phases of film making. Having just returned from a trip to Alaska, he is visualizing the University of Alaska's study of the aurora borealis for NASA.



Miss Sharon Emmeck, Clerk in the Instant Copy Service, handles the West Bank copying operation from 9 a.m. to 4 p.m., Room 33, Social Science Tower.



Workloads Eased by University Computers

By Mr. Gerald Knox

The Numerical Analysis Center has seven full-time senior associates and more than fifty people engaged in data processing. Among them are, left to right, Mr. Michael Rebmann, Computer Operator, Dr. Jay Leavitt, Assistant Professor of Mathematics, Dr. Krzysztof Frankowski, Assistant Professor of Mathematics, and Mr. John Amunson, Computer Operator.

Physicists and physicians—psychologists and chemists—engineers and economists—agricultural specialists and educators—all these and many more, shoulder-deep in data, are increasingly turning toward computers to solve their own growing information-processing problems.

Information—rushing on as an unchecked river—to be punched, sorted, collated, calculated, analyzed, printed, and punched again. Worked upon to be made understandable. To be made useful.

Computers are the key in man's attempts to overcome this growing information problem. They are the tools which he must master. With the exception of computer manufacturers, the University of Minnesota is the largest single user of computers in the entire state. Here, computers are used to study—

- cattle
- chemical catalysts
- nuclear particles
- heart beats
- management theory
- brain waves
- population trends
- political voting patterns

The University also uses computers to process administrative data such as—

- payrolls
- accounts
- student records

It was once believed that this type of data could only be handled by man, but increasingly computers are taking over.

There are six computer centers and fourteen computers working almost continuously at the University of Minnesota. Four of the centers and twelve of the computers are on the Minneapolis campus. The St. Paul and the Duluth campuses each have a computer center equipped with a single computer.

"On the surface it seems as though the University of Minnesota has a tremendous amount of computing power," said Dr. John Overend, Associate Professor of Physical Chemistry and Chairman of the All-University Advisory Committee on Computers and Tabulating Facilities, "and I suppose that's true. But when one digs a little deeper, he'll find that all of the facilities are being heavily used, and, in fact, some of the facilities must lease time on computers outside the University to meet their workloads."

The Numerical Analysis Center, in Room 230 Experimental Engineering, is the workhorse of computation at the University of Minnesota. This Center does the bulk of all research computing.

"The majority of our processing time is spent on problems of high-volume," said Dr. Marvin L. Stein, Professor of Mathematics and Director of the Center. "By that I mean problems which require a lot of computation time."

The Numerical Analysis Center was established in early 1958 and since that time has shown a steady growth.

It now has seven full-time senior associates and more than fifty people engaged in data processing activities.

The purpose of the Center is to provide for research and education in the computer sciences, and service in fields where computers can be applied.

"In many respects we act as computer consultants to the whole University," Professor Stein said. "It's no easy task for an investigator to line up his research so that it can be processed by a computer. It takes a lot of thought, time, and effort to make a computer useful, but it's well worth it. We hope to make it as easy as possible for an investigator to include computer language and processing in his research activities, and for an instructor and students to use the computer as a normal part of course work."

The Center is located in the Institute of Technology for administrative purposes, but the scientific computing facilities are equally available to students and faculty of all of the University schools and colleges. The Center now maintains and operates three computers: a Control Data 1604, a Control Data 8090, and a Control Data 160. There are eighteen pieces of auxiliary equipment to support these computers, including twelve magnetic tape handlers.

The Numerical Analysis Center will have responsibility for one of the most sophisticated of all computing devices in its hybrid computer to be installed in the University's new Space Science Center. This hybrid device (a com-

bined analog and digital computer) will be used specifically for model simulation studies. The hybrid computer is financed by a \$400,000 grant from the National Sciences Foundation.

The School of Business Administration Computer Center, located on the West Bank on the lower floor of the Classroom Building, has a Univac 80, donated to the University by the Sperry Rand Corporation. It is used by Business Administration staff members for research and teaching. A second machine, located in the same Center, is an IBM 1620, used by the Social Science Research Facility for research in the social sciences.

"The Univac 80 in the School of Business Administration is used primarily for educational purposes," said Dr. Gordon B. Davis, Director of the Center. "But it is also available for non-University services."

Biomedical data processing is fast becoming a force in the fields of medicine and the biological sciences. The College of Medical Sciences, including the University Hospitals, recently announced the opening of a new Biomedical Data Processing Center. The

new Center, scheduled to receive a Control Data 3100 computer this spring, is located in the basement of the Masonic Memorial Hospital.

The staff of the Biomedical Center is now working with medical researchers throughout the College of Medical Sciences in the development of computer-oriented research techniques. Initial tasks are standard batch-processing of biomedical problems, and, in the near future, automated electrocardiograms and electroencephalograms will receive a great deal of attention.

The Data Processing Center, Morrill Hall, is unlike any of the other computer centers on the Minneapolis campus. "Our purpose," said Mr. Ralph J. Willard, Manager of the Center, "is strictly administrative. We do machine processing of payroll, accounting, and student records."

This difference in purpose is significant. While other centers concentrate upon research and, to a lesser degree, education, the Data Processing Center carries the work-a-day load of record-keeping on almost everything and everybody at the University.

"We hope to expand our operation somewhat," said Mr. Willard, "and take over the processing of fee statements and class scheduling. This is now all done manually. The only catch is that we don't know if these jobs can be done well by a computer."

There are four computers on the Minneapolis campus that are independent of the centers. One, a Control Data 3100, recently was installed in the Tan-

dem Van de Graaff nuclear generator building on the East Bank, just below St. Anthony Falls. This computer will be used in an "on-line" application, that is, it will connect directly to experiments conducted in the target room of the accelerator. "Eventually," said Dr. Russell K. Hobbie, Associate Professor of Physics, "we hope to connect the computer directly to the accelerator to control its energy levels."

A second independent computer, under the direction of Professor of Psychology David L. La Berge, is used specifically for on-line experimental laboratory work. This computer, a Control Data 160, gives Professor La Berge the ability to study the temporal nature of the human nervous system in a fast and flexible way. The National Aeronautics and Space Administration furnished the computer.

Biophysics, an emerging new field of study, uses two computers to process data in its work. The computers, a PDP-5 and PDP-8, are used for basic research in biophysics. "Our principal study at this time," said Dr. Otto H. Schmitt, Professor of Zoology and Physics, "is the development of methods for automatic analyzing of electrocardiograms."

The Computing Center on the St. Paul campus is under the direction of Professor Charles E. Gates, Station Statistician for the Agricultural Experimental Station. The primary purpose of the IBM 1401 in the Center is to process records for the Dairy Herd Improvement Association (DHIA). The DHIA program is sponsored by the State of Minnesota to do analysis of production, feeding, costs, and marketing of dairy herds on farm enterprises throughout the state.

At the University of Minnesota, Duluth, an IBM 1620 is used for research in chemistry, physics, geology, mathematics, psychology, education, biology, and economics. Dr. Larry C. Thompson, Associate Professor of Chemistry, is working with the computer in theoretical quantum chemistry, and Mr. Donald E. Olson, Assistant Professor of Physics, gets help from the machine in his studies concerning atmospheric energy balance.

(Continued on page 10)



Professor LaBerge is studying the processes involved in human attention. When the subject pushes the buttons on the machine at the left, the Control Data 160 computer, below, analyzes these responses simultaneously.



Archives

(continued from page 3)

the 1943 E-Day button, an engineering student is hitting Hitler over the head with a slide rule.

The Archives contains an abundance of facts, ranging from the six names of Nicholson Hall to the origination of the term "Ski-U-Mah." One can even find an old blueprint which shows the location of the railroad tracks that once ran through the Campus. Because the Archives is so rich in information, Mrs. Clapp and her staff frequently handle questions about the University. "We're the who, what, where, when, why, and how of the University's history," Mrs. Clapp said. Some of the answers to the most frequently asked questions have been filed separately so that they can be readily located.

In the main Archives office, the walls tell a story about the University. On one wall hangs a rendering of the Washington Avenue side of the campus as Architect Cass Gilbert visual-

ized it. On another wall is a lithograph of the Minneapolis campus in the early 1880s, showing Old Main and the Agriculture Building, both no longer in existence.

Mrs. Clapp and her staff have taken special precautions to preserve the Archives' valuable collections. Departmental papers are kept in acid-free folders. The envelopes which contain oversized papers such as maps are made of a plastic which has been tested by the Chemistry Department to make sure that it will not harm the documents. Films and tapes are stored in a temperature- and humidity-controlled facility.

Two years ago, when the Department of Special Collections was reorganized, the University Archives became the senior member of the newly established Department of Manuscripts and Archives. The other areas in this new division are the Immigrant Archives, the Social Welfare History Archives, and the Tyrone Guthrie Theatre Archives.

Computers

(continued from page 9)

"The need for computer services at the University is growing at a fantastic rate," said Dr. Overend. "The heavy users at the University keep finding more work for the machines, the small users are growing into big users, and new people start using the machines every day."

What is the future of computers and the services they can give at the University of Minnesota? An indication might be found in a remote teletypewriter console in the office of the Mathematics Department at University High School, or another remote console in the Electrical Engineering Department of the Institute of Technology. These consoles are connected to distant computers. For example, the console at University High School connects over telephone lines to a computer on the campus of Dartmouth College in New Hampshire.

The people who run these consoles get their computer services by "time-sharing" the large computers at the other end of the telephone line. With only a simple teletypewriter in their offices, they have the potential of a large computer at their fingertips.

"We haven't yet reached the stage where we can realistically think of changing computers over to a time-sharing operation at the University of Minnesota," said Dr. Overend. "After all, it's still an experimental technique. And even the largest computer we now have is hard pressed to cope with present work demands. Yet time-sharing does look as though it may play an important role in some of the work at the University—and we may want to expand our facilities for time-sharing in the future. We may also need to consider a parallel expansion of computers for scientific computation."

"In any event," he added, "it seems certain that the University's use of computers will continue to expand—although just in what direction is not at all clear. But I'm sure the University of Minnesota can cope with that challenge—or with any other challenge concerning computers—when the time comes."

Room

(continued from page 5)

tually, it is not a *room* at all, but a separate building, joined to the hospital by an enclosed "bridge" (the vestibule) and the short corridor. The building stands in the southeast courtyard, surrounded on all sides by the high brick walls of the hospital. Mr. Page spent a great deal of time choosing this site and studying some of the classical origins of chapels. He found that down through the ages, in Rome and in the great palaces and cathedrals of Europe, there was always a small chapel which very often took a free-standing form.

"We wanted something more than just a tacked-on addition to the hospital," he explained. "We wanted a simple, strong design that would give the patients something pleasant and interesting to look at from their windows."

Most people will agree that the Meditation Room is more than pleasant to see, particularly at night when special

lights outline its graceful lines and illuminate the stained glass dome.

At the very top of the peaked dome is a stained-glass version of the burning bush—the only religious symbol in the entire edifice. According to Mr. Page, the bush is a very appropriate symbol because it represents the self-denial, deprivation, and troubled times of Moses, before he received the Ten Commandments. It, therefore, is a symbol of hope to the people who come to the Meditation Room for spiritual benefits.

Miss Gertrude Gilman, Director of University Hospitals, said that the Meditation Room fills a real need within the hospital. Since its opening before Christmas, she added, hospital visitors have gone there alone and with their relatives, sometimes with their doctors or their clergymen. All have found a quiet, peaceful retreat apart from the hospital itself. Miss Gilman also had warm praise for the members of the family who gave the Room to the University. "They had experienced so much suffering themselves," she said. "They knew how important this Room could be in the hospital."

University of Minnesota Calendar of Events

March 1-15, 1966

MINNEAPOLIS SYMPHONY ORCHESTRA

Sunday Afternoon Concert
Stanislaw Skrowaczewski, Music Director
Northrop Auditorium, 4:00 p.m.
Sunday, March 6—Paul Draper, dancer
(Tickets \$2.00-\$4.00)

UNIVERSITY ARTISTS COURSE

Northrop Auditorium, 8:30 p.m.

Celebrity Series
Wednesday, March 2—De Cormier Folk Singers*

Special Concert
Friday, March 4—Carmina Burana, University Orchestra, Chorus, and Glee Club, Andahazy Dancers*

Masterpiece Series
Wednesday, March 9—Jan Peerce, tenor singer*

MUSIC DEPARTMENT PROGRAMS

(Open to the public without charge)

Tuesday, March 1—Music Hour, 108 Scott Hall, 11:30 a.m.
Tuesday, March 8—Music Hour, 108 Scott Hall, 11:30 a.m.
Sunday, March 13—Student-Faculty Chamber Recital, Mayo Auditorium, 8:00 p.m.

UNIVERSITY THEATRE PRODUCTION

Scott Hall Auditorium Series

Tuesday, March 1, through Saturday, March 5, at 8:00 p.m. Tuesday, March 1, and Sunday, March 6, at 3:30 p.m.—*An Italian Straw Hat* by Labiche and Marc-Michel (Tickets are \$1.75 Sunday through Friday; \$2.00 on Saturday)

ART EXHIBITIONS

University Gallery

Northrop Auditorium, 8:30 a.m.-4:30 p.m. Monday through Friday
To Friday, March 18—Zigmunds Priede, lithographs
To Friday March 18—Universal Limited Art Edition, contemporary lithographs
To Friday, March 18—Clayton Bailey, ceramic work
To Friday, March 18—Igas prints

St. Paul Campus Student Center Galleries

Sunday 12:00 noon-11:00 p.m.
Monday through Saturday 8:00 a.m.-10:00 p.m.

Through Tuesday, March 8—Mrs. Philomene Miller, Mrs. Florence Page, and Mrs. Rosemary Hawkinson, oils
Through Friday, March 18—Horticulture Club Landscape Exhibit
Through Friday, March 25—Mrs. Webster Hauge, oils
Sunday, March 13, through Friday, April 1—Town and Country Art Show

CONVOCAION

Coffman Union Main Ballroom, 11:30 a.m.-12:30 p.m.
(Open to the public without charge)

Thursday, March 3—Niven Miller, Scottish baritone; Richard Zgodava at the piano

MINNESOTA MUSEUM OF NATURAL HISTORY

Sunday Afternoon Programs

Museum Auditorium, 3:00 p.m.
(Open to the public without charge)
Sunday, March 6—"Probing Bird Migration Problems," Dr. W. J. Breckenridge, Professor and Director of the Minnesota Museum of Natural History
Sunday, March 13—"New Light on the Late Bronze Age in Greece," Dr. William A. McDonald, Professor, Classics Department, University of Minnesota

UNIVERSITY FILM SOCIETY

Shown at the Museum of Natural History Auditorium

Wednesday, March 2, and Thursday, March 3—*Faust*, a G. Grundgens production (1964, Germany), a color film with German dialog and English titles, 3:30 p.m. and 7:30 p.m.
Friday, March 4—*Don Quixote*, E. G. Pabst, director with Chaliapin (1933, Germany), 3:30 p.m.; *Zazie in the Metro*, Louis Malle's adaptation of Raymond Queneau's novel, 7:30 and 9:30 p.m.

SIGNIFICANT UNIVERSITY BROADCASTS

A Service of the General Extension Division

Radio

KUOM 770 on the dial

Saturdays, 4:00 p.m.—"Minnesota Theatre of the Air" features the following broadcasts:

Saturday, March 5—*The Wild Duck* by Henrik Ibsen
Saturday, March 12—*In A Balcony* by Robert Browning

Wednesdays, Thursdays, and Fridays, 12:05 p.m. "University Bulletin Board." This program keeps you up to date on all manner of happenings at the University.
Tuesdays, 11:15 a.m.—"Listen with the League." Members of the Minneapolis and St. Paul Leagues of Women Voters interview professors, legislators, and civic leaders about matters of public policy ranging from international trade to city charter reform.

Mondays, Wednesdays, and Fridays, 11:00 a.m.—"Humanities in the Modern World 2A." Robert L. Scott, Professor of Speech and faculty member in the humanities program, continues KUOM's classroom series with lectures on the period of the industrial revolution.

University Television Hour

Channel 2, KTCATV

Mondays, 9:00-9:30 p.m.—"Revolution in the Schools," with Professor Stan Kessler, Associate Dean of the College of Education, and guests from the University

Mondays, 9:30-10:00 p.m.—"World Affairs—Vietnam Briefing," with Major Linton Beasley, Assistant Professor of Military Science and former U.S. Adviser to Vietnamese Military Units, and Major Daniel Zenk, Assistant Professor of Military Science

Tuesdays, 9:00-10:00 p.m. (concluding March 15)—"Utopia and the Human Condition," with Professor Mulford Q. Sibley of the Department of Political Science

Wednesdays, 9:00-9:30 p.m.—"Folio," with Arnold Walker of the Department of Radio and Television

Wednesdays, 9:30-10:00 p.m.—"The Dynamics of Desegregation," a nationally produced series which surveys the problems of interracial relationships against a world background

Thursdays, 9:00-9:30 p.m.—"Going to College," with Professor Leonard Bart of the Department of Speech and Theatre Arts, and Marilyn Stauble and Carol Pine, University students

Thursdays, 9:30-10:00 p.m.—"Town and Country," with Professor Ray Wolf of the Institute of Agriculture

Fridays, 9:00-9:30 p.m. (concluding March 25)—"Sight-Sound and Movement—A World of Happening in the Arts," with F. W. Hayman-Chaffey, Visiting Professor of Art

Fridays, 9:30-10:00 p.m. (concluding March 25)—"It's a Jet-age Home," with Mary E. Ryan and Barbara Killen, Extension Specialists Consumer Marketing

ATHLETIC DEPARTMENT EVENTS

Home Basketball Game

Williams Arena, 8:00 p.m.

Monday, March 7—Wisconsin (Reserved seats \$2.00; general admission \$1.50. Over-the-counter sale opens Monday before each game at Cooke Hall, Downtown Ticket Office, 158 Cargill Building, Minneapolis, and Field Schlick, St. Paul.)

Home Track Meet

Field House, 12:30 p.m.

Saturday, March 5—Minnesota Federation Inter-collegiate Time Trials (Tickets sold at Gate only, \$1.00 each.)

* Reservations may be made at 105 Northrop Memorial Auditorium.

Tickets for these events are also available at Dayton's and Field-Schlick on Monday of the week prior to performance.

University of Minnesota Calendar of Events

March 16-31, 1966

MINNEAPOLIS SYMPHONY ORCHESTRA

Friday Evening Concerts

*Stanislaw Skrowaczewski, Music Director
Northrop Auditorium, 8:30 p.m.*

Friday, March 18—Andre Previn, guest conductor; Phillippe Entremont, pianist
Friday, March 25—Nathan Milstein, violinist (Tickets \$2.75-\$5.00)

COMMENCEMENT

*Northrop Memorial Auditorium, 8:30 p.m.,
Saturday, March 19.*

CONVOCATION

*Northrop Auditorium, 11:30 a.m.,
(Open to the public without charge)*

Thursday, March 31—Program to be announced

UNIVERSITY FILM SOCIETY

Shown at the Museum of Natural History Auditorium

Friday, March 18—*Dawn Patrol* (USA, 1931, Howard Hawks, director, with Richard Barthelmess), 7:30 p.m.

MINNESOTA MUSEUM OF NATURAL HISTORY

Sunday Afternoon Programs

*Museum Auditorium, 3:00 p.m.,
(Open to the public without charge)*

Sunday, March 20—"Sand Country Wildlife." Dr. W. J. Breckenridge, Professor and Director, Minnesota Museum of Natural History

Sunday, March 27—"Winter on Superior's North Shore." Mr. Donald K. Lewis, Audio-Visual Adviser, Minnesota Museum of Natural History

ART EXHIBITIONS

University Gallery

*Northrop Auditorium, 8:30 a.m.-4:30 p.m.,
Monday through Friday*

Monday, March 28, through Sunday, April 17—Marguerite Wildenhain, pottery
Monday, March 28, through Sunday, April 24—Ansel Adams, "Eloquent Light"
Monday, March 28, through Monday, April 11—M.F.A. Thesis Exhibitions: Robert Burg and Robert Johnson

SIGNIFICANT UNIVERSITY BROADCASTS

A Service of the General Extension Division

Radio

KUOM 770 on the dial

Saturdays, 4:00 p.m.—"Minnesota Theatre of the Air" features the following broadcasts:

Saturday, March 19—*Ecclesiastes and The Dying Day* by John C. Stevens

Saturday, March 26—*Pecos Bill and The Willful Coyote* by William C. White

Mondays, 2:30 p.m.—"The Afternoon Concert," will feature concerts from The Cincinnati Music Festival and the Exposition of Contemporary Music.

Monday, March 21—"Developments in Choral Music, 1900-1965"—Cincinnati College-Conservatory choruses sing works of Ives, Barber, Earl George, Stravinsky, Toch, and others.

Monday, March 28—Max Rudolf conducts the Cincinnati Symphony Orchestra in works of Russell Smith, Robert Lombardo, George H. Crumb, George Rochberg, Leo Kraft, and Robert Starer.

ATHLETIC DEPARTMENT EVENTS

N.C.A.A. Hockey Tournament

Williams Arena

Thursday, March 17—N.C.A.A., 8:00 p.m.

Friday, March 18—N.C.A.A., 8:00 p.m.

Saturday, March 19—N.C.A.A., 2:00 and 8:00 p.m.

(Reserved seats \$3.00; general admission \$2.00. Over-the-counter sale opens Monday, March 14, at Cooke Hall, Downtown Ticket Office, 158 Cargill Building, Minneapolis, and Field Schlick, St. Paul. Reduced rate for University students and staff with Season Athletic Tickets.)

1966 SPRING LECTURE SERIES

A Service of the General Extension Division

Mayo Memorial Auditorium, 8:00 p.m.

Tuesdays from March 29 through May 17—"Russia's Golden Age—1894-1914?" an eight lecture series.

Tuesday, March 29—"Dilemmas of Imperial Russia." Dr. Arthur Mendel, Department of History, University of Michigan

(General admission for the series is \$12.50; University staff and students \$7.50. Single tickets will be sold after 8:00 p.m. the evening of the lectures at Mayo Auditorium for \$2.50 per lecture.)

THE MINNESOTAN
Department of University Relations
217 Morrill Hall
University of Minnesota
Minneapolis, Minnesota 55455
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THE MINNESOTAN

The University Staff Magazine - April 1966



The President's Page



Photo by Alan Ominsky

As the academic year nears its end, we can look forward to a spring Commencement that will be unique in a particular way. It will be at this year's spring Commencement that announcement will be made of the first University of Minnesota Regents' Professorships.

In the past, the University of Minnesota has lacked an appropriate title which could be given to its faculty members whose achievements have earned them distinction and admiration in the eyes of the University, the nation, and, perhaps, the world. Hence, the establishment of the Regents' Professorship is both a recognition of the attained excellence of the faculty and a challenge to further achievement. It is the highest recognition that the University can give to a member of its faculty. Only a few Regents' Professorships are to be conferred each year upon individual faculty members of accomplished academic excellence. The outward and visible signs of the Regents' Professor will be an appropriately engraved medallion and an honored place in University academic processions. The Professorship is to be held during the entire tenure of the recipient as a member of the faculty of the University.

The establishment of this honor marks the University's coming of age in a special sense. For the role of the University of Minnesota in the exciting world of twentieth century higher education will be largely defined by the quality of its faculty.

Traditions are not made overnight. But the uniqueness of this Commencement lies in the very centrality of its new tradition to the academic endeavor. The Regents' Professorship will call attention to those representative men, in the Emersonian sense, whose brilliance is reflected in the community around them and in the continuity of their effort. For these reasons, this June Commencement should be a special one for all of us.

Meredith Wilson

On the cover . . .

is the sterling silver medallion which will be given to the Regents' Professors at the June Commencement. The ribbon is in alternating stripes of gold and maroon. On the face of the medallion, the Regents seal and the words "Regents of the University of Minnesota," and "In Recognition of Academic Distinction" are incorporated into the design. The recipient's name, the year, and the words "Regents' Professor of . . ." will be filled in separately on the back of the medallion, with the recipient's academic field written in the blank.

VOL. XVI THE MINNESOTAN No. 7

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Art Show Encourages State Talent

From March 13 through April 1, the St. Paul Campus Student Center became a showcase for Minnesota rural art, as artists from every corner of the state exhibited work at the fifteenth annual Town and Country Art Show. Talented amateur artists and sculptors—farm wives, school teachers, grandmothers, small town businessmen—contributed to make this show truly representative of the growing interest in art throughout the State. As a result of competition at the show, Merit Award ribbons were presented for twenty pieces of art in five categories.

Coordinator of the show, Mr. A. Russell Barton, Senior Engineering Assistant in the Department of Agricultural Engineering, has been involved in the project since 1952. As a music major in college, a former member of the Minneapolis Symphony Orchestra, and an amateur painter, Mr. Barton brings a fine artistic background to his job as director of the show. Under Mr. Barton's guidance, the exhibit has expanded from the first Rural Art Show, which was a 47-piece display of arts and crafts, into a veritable fine arts festival.

Today, the show has almost outgrown the space available in the St. Paul Campus Student Center Galleries displaying more than 300 pieces of art ranging from oils, water colors, pastels, and drawings to some sculpture. Last year, a short story competition was added to the show, and a playwrights' competition for one-act plays was initiated this year.

How did the show get its start? Mr. Barton explained, "A good many people in outstate Minnesota with artistic talent had no place to show their work. Wonderful people like the farm housewife with seven children who milks the cows, drives a tractor, and still has time to teach a class in water colors."

Professor of Related Arts Robert Forsyth and Miss Huldah Curl, Extension Coordinator for Arts and Crafts, selected paintings to be hung on the walls of the North Star Ballroom and in the Gallery hallways.



To encourage these talented people and provide an opportunity for them to show their work in a relaxed and comfortable setting, the show was started. It is presented by the Department of Agricultural Short Courses and is sponsored by the Agricultural Extension Service and the General Extension Division of the University. In order to preserve the rural tone of the show, rules limit entries to amateur artists of high school age or over who live in rural



To give Mr. Barton an overall view of the exhibits, the paintings were spread out on the floor of the North Star Ballroom.

Minnesota or in a Minnesota town with a population of 25,000 or less.

Another of the goals of the show is to help develop the cultural resources of the State. Artists from all but three of Minnesota's 87 counties have contributed art to the show during its fifteen-year history. The Minnesota Rural Artists Association was formed as a direct result of the show in 1959. Members of this Association make up about one-third of the contributors to the Town and Country Art Show. The show has also brought forth many local art groups, such as the Appleton Art Club, which holds its own local art festival each year.

As a further impetus to the development of the State's rural art talent, short course programs are presented during the last week of the exhibit. These programs cover a wide range of art experiences, including gallery tours, instruction in techniques, dramatic performances, writers' seminar, and this year, a choral concert.

(continued on page 10)

Department of Police Protects and Serves The University



Patrolman Donald Demont has been with the University Police Department for five years. His squad car is one of the three uniformed squad cars which bear the credo, "To Protect & To Serve."

The work of the University Police Department often goes unnoticed. Most people know of the Department's existence, but, unfortunately, not everyone is aware of the many services which it performs for the University and for the residents of the surrounding area.

The Department is responsible for the protection of all of the property owned or operated by the Regents of the University, and the problems which confront the University police demand superior performance and a specialized approach.

"It is a unique department because of its location," said Mr. C. B. Hanscom, Department Head. "Most universities are in small towns, but we're in

Mr. Hanscom has a fascinating collection of hand-carved ships.



the midst of two major cities. It's necessary for us to be better than average because of what we're exposed to," he continued.

Mr. Hanscom, a dapper man with a dignified manner, has been with the University for about thirty years. When he started in a part-time position as an investigator, the University employed about a dozen watchmen, but had no police department of its own.

"The Department really got its start after World War II," Mr. Hanscom said. Then it employed about eight people and was located in the Department of Buildings and Grounds. After subsequent moves to the Administration Building (now Morrill Hall) and to Johnston Hall, it finally arrived at its present location, 2030 University Avenue Southeast, in October of 1960. Now the Department employs sixty-four persons, including an office staff of twelve, and maintains six squad cars, a motor scooter, a motorcycle, and an ambulance.

Mr. Hanscom's office, which resembles a comfortable den, reflects his Belfast Harbor, Maine, background. Hand-carved ships of polished wood, horn, and bark share a shelf with little wooden figures of "Maine folks." In the conference room adjoining his office, Mr. Hanscom's prize possession hangs on the wall in a glass case—a model of the windjammer "Carolyn E. Bird," his grandfather's ship. The ship, which was named after his grandmother, was carved by one of the men who sailed under Captain Bird.

During his career, Mr. Hanscom has been an influential figure in the field of law and order. A member of the American Academy of Forensic Sciences, he has spoken to groups in several parts of the world. Articles he has written about criminal investigation have been published in seven languages. The photograph of Erle Stanley Gardner, which hangs on the wall behind his desk, is reminiscent of the days when Mr. Hanscom served on Mr. Gardner's Court of Last Resort.

The bookcases in Mr. Hanscom's office carry a variety of volumes which indicate his interests, ranging from *The Omnibus of Crime* to *The Oxford Book of American Verse*. Also in his office is a daybed, which tells a story of long hours into the night. "This place has to serve as a part-time home," Mr. Hanscom said.

"Our Department is something very special to the University," he continued.

Every hour of the day and night, University policemen are on duty, handling a variety of situations and problems. "As they patrol the campus, they are constantly on the alert for hazardous conditions such as a damaged sidewalk, a fallen tree, or a broken lock," he said. "Last year, University Patrolmen reported about 5,000 such conditions."

Many University departments deal with money which must be transported to and from a bank. University Patrolmen pick up and deliver this money in locked bags. They also protect the gold

The Minnesotan

at the University, which is used primarily in the School of Dentistry. In matters involving the University and the Federal Government, the Department acts as a security office and handles the clearance inspections.

As the University's lost and found center, the Department collects enough articles to fill a room and keep a full-time employee busy. Whenever possible, Miss Charlene Peach locates the owners and tells them where their possessions are.

As might be expected, large assemblies and traffic present problems for the University police. "Traffic is not our biggest problem," said Mr. A. R. Vernes, Assistant Director, "but it is our biggest headache."

The University Police Department's work involves much more than routine campus patrol. The Department handles all of the problems which plague a regular metropolitan police force. During an average month, University police conduct about 500 investigations, involving everything from minor misdemeanors to serious crimes. In their work, they use the latest investigation procedures with positive results. For example, when University fraternity houses experienced a rash of thefts, University police conducted a state-wide search and recovered more than \$6,000 worth of the stolen goods.

University policemen are critically selected and rigorously trained to meet the demands of their job. Mr. Hanscom explained that the Department recently chose four rookies who are now in training. They were picked from a list of 100 applicants, which was narrowed to twenty, and, finally, to four. Their selection was based upon their

Mr. Vernes has been with the University Police Department for eleven years.



The Communication Center is the hub of Department activity. Behind Sergeant Earl S. Jensen and Captain Brooker is a large map of the area which lights up to show the location of individual squad cars.

emotional stability, written and oral tests, and the results of the MMPI.

In their four-week initial training period, they will receive instruction in all of the basic police skills. For their first aid course, they'll use "Resuscin-Annie," a doll on which they can practice mouth-to-mouth resuscitation and external heart massage. Chances are that they will need this knowledge, since last year there were more than 600 personal emergencies on campus. They will also receive instruction in how to handle cases of shop-lifting, pilfering, hold ups, and so on.

A University policeman's training does not end after the four-week period. He is continually given refresher courses throughout his career. For example, every so often he is shown a film on the birth of a baby. Mr. Hanscom said that during his own career, he has delivered about ten or eleven babies. Also, every ninety days, the University policeman must take a firearms qualification test. If he does not pass the test, he may not carry a gun.

"Our men are taught the importance of politeness and patience," Mr. Hanscom said. "When they encounter someone who is acting suspiciously, they are told to ask, 'May I help you?' or 'What are you doing?' There's an *esprit de corps* in our Department," he continued. "The boys feel that they're

a little bit better than the average policeman. They're a clean-cut group, and I'm very proud of them," he said.

When a University policeman performs a feat of exceptional courage, he is rewarded with a "Citation for Bravery," which is printed on parchment-colored paper and is enclosed in a maroon leather folder. Seven such citations have been awarded since 1915. The most recent recipient of this honor is Patrolman Robert Cooper, who was given the laudation on March 3, 1966, for rescuing a young student from a potential rapist. His efforts resulted in his hospitalization with serious head wounds. Others who have received the citation are Lieutenants Kenneth L. Herberg and Arthur G. Kirby, Sergeant James G. McDonough, and Patrolmen Donald R. Bauham, Fernon Sherman, and Douglas H. Hartley.

Mr. Hanscom mentioned that his men tend to stay with the Department for quite a while. Besides Mr. Hanscom, Captain John Brooker and Lieutenant Herberg have been there the longest—both with more than nineteen years of service. "Many have been here for ten or fifteen years," he said.

"Ours is a highly dedicated field, and it's a challenge," he said. "It gives me a thrill to get up before a group and say that I am from the University of Minnesota Police Department."



Mr. Richard Smith's newly created position as Designer in the Printing Department makes design and art direction services available to University departments. The service aims to develop the visual quality of University publications by initiating a coordinated look to these publications, consistent with the University's academic position. Mr. Smith has been working on brochures, programs and booklets for academic and administrative departments and has been providing assistance in art direction, design, layout, and type and paper selection.

In order to report more completely the many achievements of University scientists, last November the University News Service added a Science Writer to its staff. **Mr. Gerald Knox** supplies information to news media, writes articles for scientific journals, and prepares brochures on research projects. Mr. Knox says of his job, "The variety of subjects to write about and the personal contact with the scientists make the job satisfying." Following four years in the Air Force where he taught electronics and radar, Mr. Knox entered the University and earned his B.A. in Journalism. Mr. Knox was a technical writer at Control Data before he joined the University staff.



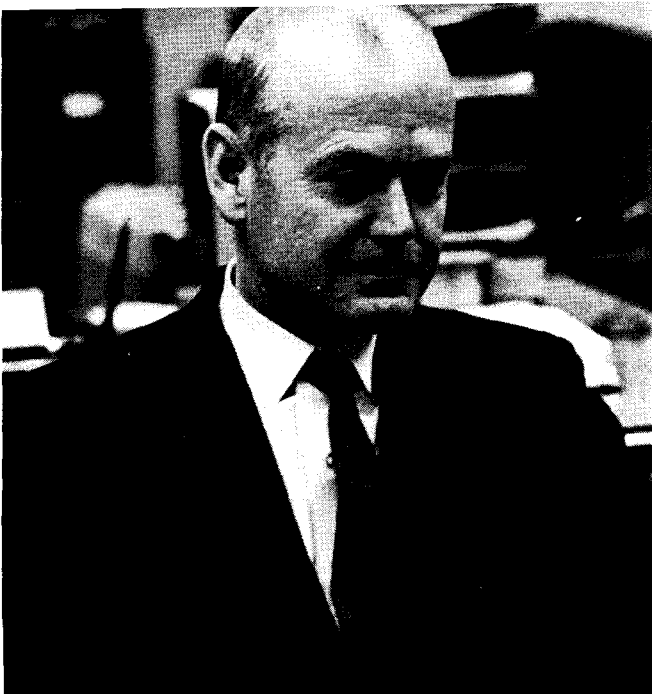
WE The Staff Members and friends of the University

Last month, 214 new persons were added to the University of Minnesota staff — about an average month. Here are a few new staff members. May they receive a hearty welcome for all 214!



Recently appointed University Planner, **Mr. Hugh Peacock**, Assistant Professor in the School of Architecture, feels that before a reasonable physical solution to University planning can be approached, the philosophy and goals of the institution must be studied. An entirely new approach to campus design may be demanded because of the tremendous number of students involved. An Englishman, Mr. Peacock studied architecture in London and came to the University as a lecturer in 1955. While in private architectural practice, Mr. Peacock specialized in campus architecture. He designed the Bethel Theological Seminary in Arden Hills.

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On March 1, **Dr. Lawrence C. Weaver** took over the duties of Dean of the College of Pharmacy. Dean Weaver came to the University from Indiana, where he was a pharmacologist and Assistant to the General Manager of the Pitman-Moore Division of the Dow Chemical Company. In addition to his work with Pitman-Moore, Dean Weaver taught at the Butler University College of Pharmacy from 1954 to 1964 and at the University of Indiana School of Medicine from 1954 to 1961. The new Dean, who is an avid golfer and outdoor sports enthusiast, plans to make the most of Minnesota's recreation facilities.



New Coordinator of the Women's Continuing Education Program is **Dr. Kathryn Randolph**, former Associate Dean of Students at the University of North Dakota. The Minnesota Plan offers informational and counseling services to women who come to the University to complete their college education or to work on another degree. Dr. Randolph said, "There is a great need for women undergraduates to make plans now to continue their education following marriage." Dr. Randolph served in the Women's Marine Corps for two years during World War II and received her doctorate in Guidance and Counseling from the University of Indiana.



Newly elected President of the Upper Midwest Research and Development Council is **Mr. Hugh D. Galusha, Jr.**, President of the Federal Reserve Bank of Minneapolis. The Council, which was organized to do basic economic research in the Ninth Federal District, has its headquarters in the Business Administration Tower on the Minneapolis-St. Paul Campus. The research was conducted by University staff members and was supported by funds from private organizations and industry. Under Mr. Galusha's leadership, the Council's emphasis will shift from research to an action program in an attempt to spur the economic growth rate of this area. Mr. Galusha came to Minneapolis last year from Helena, Montana, where he was an attorney and a certified public accountant.



Dean Berg, Mr. Thurnbeck, and President Wilson are among those who are concerned about the part which the Institute of Agriculture is to have in the future plans of the University.

Advisory Council Aids Institute of Agriculture

By Professor Harold Swanson

Not long ago President O. Meredith Wilson sat down for a frank talk with a group of farmers, businessmen, and homemakers, who represented many of the agricultural, forestry, and home economics interests of the state.

Their discussion centered on the future plans for expansion on the St. Paul Campus and for the far-reaching activities of the University's Institute of Agriculture. The meeting itself was requested by the group, which was genuinely interested in, and concerned about, the future of the University.

The President heard one farmer-businessman point to the need for a liberally-based education for all University students, whether they be in agriculture, liberal arts, or engineering. He heard another ask how the group could help bring about better understanding of the University's needs and programs in areas far from the Campus. And he heard the group express concern that the University's response to the growing needs for research, teaching, and extension education in a changing rural America might be swept aside by the avalanche of new students on campus. Moreover, he became aware of the group's feeling toward proposed changes in relationships between the land-grant universities and Federal agencies in the handling of re-

search and extension grants.

The group he met with was the Institute of Agriculture Advisory Council, which for seventeen years has been counseling with the University and has been acting as a channel of communication between the public and the University.

The Council is made up of eighteen regular members and three ex-officio representatives from the University. Eleven "delegate" members are designated by statewide organizations, including agricultural, consumer, business, and professional groups. Seven are members-at-large appointed to represent the general public. The three University officials who serve on the Council include Dean Sherwood O. Berg of the Institute of Agriculture, Dean W. T. S. Thorp of the College of Veterinary Medicine, and Dr. H. J. Sloan, Director of the Agricultural Experiment Station.

The newly-elected President of the group, Mr. Clem Thurnbeck of Forest Lake, is one of the State's largest turkey producers and a delegate of the Minnesota Poultry Industry Council. The Vice President is Mr. Richard Bonde, St. Paul, a delegate of the Minnesota Dairy Industry Committee and an official of Land O'Lakes Creameries, Inc. The Executive Secretary is Dr.

Sloan. Joining them on the executive committee are Mrs. Del Krenik, Madison Lake, a representative of the Minnesota Association of Soil and Water Conservation Districts; Mrs. Roy Olson, Stillwater, of the Minnesota Home Economics Association, and Mr. George Pederson, a member-at-large and Manager of the Twin City Milk Producers' Association.

In discussing the functions of the Council, Mr. Thurnbeck and Dr. Sloan agreed that the Council has three major responsibilities:

1. Aid the University in keeping informed about the needs in agriculture and related industries, forestry, home economics, and veterinary medicine.

2. Advise the University concerning ways and means of improving the effectiveness of its services.

3. Provide a channel of communication between the University and the many groups it serves.

The Council has been effective in carrying out these functions, Director Sloan and Dean Berg declare. Dean Berg and Dr. Sloan feel that the Council has been especially influential in three areas.

First, the Council has helped support the University's efforts to make the total facilities of the University available to the entire state.

Second, the Council has made important suggestions in the re-evaluation of the University's research and extension programs, bringing about important shifts in emphasis. This has resulted, for example, in greater emphasis on many of the broader problems of rural areas and of business and industry working with agriculture.

Finally, the Council has supported the continued modernization of the curricula of the College of Agriculture, Forestry, and Home Economics. Major impetus for these changes came, as it must, from the faculty and administration. In the process, the Council members have injected new ideas and adaptations into the thinking and planning of University programmers.

The idea for an Advisory Council grew out of a resolution passed by the Minnesota Farm Bureau Federation in 1947. The proposal suggested that an advisory council be created to counsel with the agricultural research staff of the University. Dean C. H. Bailey conferred with President J. L. Morrill about this idea. Later in December of 1948, the Dean, President Morrill, the Institute Faculty Advisory Committee, and representatives of ten principal agricultural, home economics, and veterinary organizations met. Out of this and subsequent discussions, the group drew up a statement of organization and functions. The first meeting of the delegate members was held on September 6, 1949. At that time the Council adopted a charter, later approved by the University's Board of Regents. The first meeting of the entire Council was held in October of 1949.

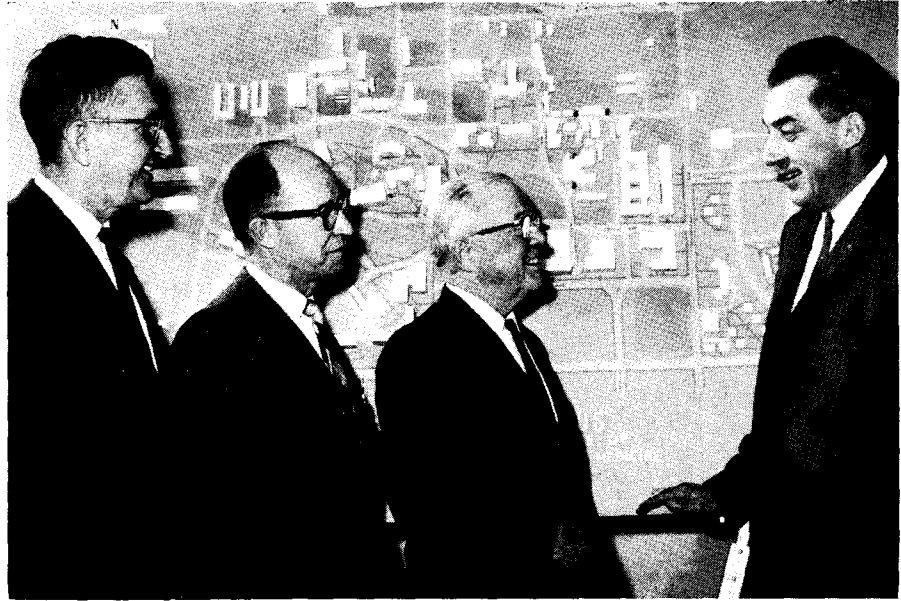
Since that time there has been an almost complete turn-over of members several times, with only Dr. Fred Gehrman, a representative of the Minnesota Veterinary Medical Society, still a member of the group. The changes in membership are built into the operating charter of the Council. Members-at-large serve three-year terms and are limited to two terms. Representatives of the various organizations are designated and serve irregular terms at the discretion of the organization.

Although originally concerned with research, the Council's duties have also changed. It now advises in all areas of Institute work—research, extension,

collegiate training, and international agricultural programs. In addition, it becomes involved in areas cutting across formal organizational lines of the University.

To do this the Council has met with the President and other University officials, and has studied the operations and visited most of the units of the Institute. The Council meets quarterly on the St. Paul Campus or at one of the several branch experiment stations of the Institute, which are located at Duluth, Grand Rapids, Crookston,

stead, Houston, Minnesota Farm Bureau Federation; Mr. Edwin Christianson, St. Paul, Minnesota Farmers Union; Mr. Holgar O. Warner, Harris, Minnesota State Grange; Mr. Robert Thiel, Wendell, Minnesota Crop Improvement Association; Mr. R. H. Bonde, St. Paul, Minnesota Dairy Industry Committee; Mr. Clem Thurnbeck, Forest Lake, Minnesota Poultry Industry Council; Mr. L. V. Wilson, Owatonna, Minnesota Livestock Breeders Association; Mr. Lloyd Bachman, Minneapolis, Minnesota State Horticult-



Dr. Gehrman, Mr. Thurnbeck, Mr. L. V. Wilson, and Dean Thorp are four members of the Council who have a special interest in animal health.

Rosemount, Waseca, Lamberton, and Morris.

High on the Council's list of present concerns is the proposed change in relationships between the land-grant colleges and the Federal Government. Members are studying the possible impact that certain suggested cuts in the 1967 Federal budget will have on the Institute of Agriculture and to some degree on the Institute of Technology and College of Liberal Arts.

Also occupying a major part of the Council's attention are the expansion plans for the St. Paul Campus and the future of education and research in the State.

Present delegate membership of the Council includes: Mr. P. D. Hemp-

tural Society; Mrs. Roy Olson, Stillwater, Minnesota Home Economics Association; Dr. F. W. Gehrman, Wazata, Minnesota State Veterinary Medical Society, and Mrs. Del Krenik, Madison Lake, Minnesota Association of Soil and Water Conservation Districts.

Members-at-large include: Mr. Ray Wood, Cloquet, Diamond Match Company; Mr. George Pederson, St. Paul, Twin City Milk Producers Association; Mr. Ron Kennedy, Minneapolis, Vice President, Peavey Company; Mr. Dean McNeal, Minneapolis, Vice President, Pillsbury Company; Mr. John Schwartau, Red Wing; Mr. Robert Odegard, Princeton, and Mrs. Grady Mann,ergus Falls.

Community Fund Drives Receive Support from Staff and Students

A total of \$112,583.02 was collected or pledged during the Consolidated Fund Drive, 1965, which is limited to staff members on the Minneapolis Campus. All of this sum was for the United Fund of Hennepin County, with the exception of \$15,300.86 for the American Cancer Society and \$13,570.04 for the Minnesota Heart Association. The Director of the 1965 Minneapolis Campus Drive was Dr. George P. Hager, then Dean of the College of Pharmacy. Mr. William T. Harris, Jr., Assistant Director of University Relations, was Dr. Hager's assistant and understudy, and this year Mr. Harris will direct the Drive, with the assistance of Professor Gordon Mork of the College of Education.

On the St. Paul Campus, Professor Marjorie H. Thurston, Department of Rhetoric, was the Director of the Drive for the United Fund of St. Paul, and Mr. Carl H. Reidel of the School of Forestry was her assistant and understudy. As on the Minneapolis Campus, a staff member in each department is assigned to represent the Drive and to be of assistance in handling the

pledge cards. A total of \$16,229.84 was given to the St. Paul Fund.

Staff members—and students, too—on the Morris Campus support the local Allied Independent Drive (A.I.D.) each year. The mechanics are handled by Mr. Richard Welsh, University Relations Representative, who receives pledge cards from A.I.D. and distributes them on the Campus. Reports are made to A.I.D. in about the same way as are reports from other institutions and groups in the Morris area. More than \$500 was secured this year.

The United Fund of Duluth depends upon Dr. Thomas W. Chamberlin, Academic Dean, who acts as coordinator of the United Fund Drive on the Duluth Campus. Assisting Dean Chamberlin are some 24 staff members who aid in the distribution and the collection of the cards. This year a total of \$6,850.20 went from the Duluth Campus to the Duluth United Fund.

Staff members on all campuses of the University may authorize payroll deductions for contributions to these funds.

Recent Publications Of Staff Members

Dr. Neal R. Amundson, Professor and Head of Chemical Engineering, *Mathematical Methods in Chemical Engineering: Matrices and their Application*, Prentice-Hall.

Dr. Huntington Brown, Professor Emeritus of English, *Prose Styles: Five Principal Types*, Volume one in a new series, "Minnesota Monograph in the Humanities," edited by Mr. Gerhard H. Weiss, Associate Professor of German University of Minnesota Press.

Dr. Donald A. Martindale, Professor of Sociology, *Institutions, Organizations, and Mass Society*, Houghton Mifflin Company.

Dr. John E. Stone, Assistant Professor, Minnesota Geological Survey, *Surficial Geology of the New Brighton Quadrangle, Minnesota* (GM-2, Geologic Map Series, Minnesota Geological Survey), University of Minnesota Press.

Dr. John Turnbull, Professor of Economics, *The Changing Faces of Economic Insecurity*, University of Minnesota Press.

Art Show

(continued from page 3)

To give amateur artists a chance to brush up on techniques, two lecture-demonstrations were scheduled. Mrs. Mark A. Graubard, who is a sculptress under the name of Anne Wolfe, worked in clay for her sculpture demonstration, and Mr. Paul Kramer, professional artist and teacher, lectured as he painted with oils.

At past shows, artists such as sculptor John Rood, former Professor of Art at the University of Minnesota; Professor Emeritus of Art Josephine Lutz Rollins, artist, and Dr. H. Harvard Arnason, former Head of the Art Department, have participated in the short courses. These artists and art experts are among the many who have contributed their time and talents to the success of the show.

Preparation for the show begins

months before the March opening, according to Mr. Barton. Letters and entry blanks go out to interested artists and writers during the fall. Short course programs are arranged, judges are selected for the various competitions, and a hundred other details must be attended to. As entries pour in during the first week of March, the dressing rooms in the Student Center, which serve as a storage area for the show, are crammed with paintings. These were hectic days for Mr. Barton and his associates who had to hang the 300 paintings and display the sculpture for the March 12 judging.

During the weeks of the show, Mr. Barton reaps what he calls the most satisfying dividend of his job—the pleasant association with the many rural artists and visitors at the show. "It is just wonderful to work with these people. They are so enthusiastic and interested in improving their tech-

niques and are very humble about their work. They have such a healthy approach to the whole subject of art," Mr. Barton commented.

What happens to the exhibits following the show? Those pieces which won Merit Awards will be exhibited at the American Swedish Institute in Minneapolis from April 10 to May 8. Some of the paintings and sculpture, perhaps fifteen to twenty pieces, are sold as a result of the show. Last year, several paintings found their way into homes of visitors from New York and Washington, D.C. The University is also one of the purchasers, through the years accumulating a permanent collection of rural art, which now includes some forty to fifty paintings of traditional Minnesota scenes. Each year the University adds several paintings from the show to this collection, which is hung in the various offices on the St. Paul Campus.

University of Minnesota Calendar of Events

April 1-15, 1966

MINNEAPOLIS SYMPHONY ORCHESTRA

Friday Evening Concerts

Stanislaw Skrowaczewski, Music Director
Northrop Auditorium, 8:30 p.m.

Friday, April 1—Phyllis Curtin, soprano, and other soloists (Tickets \$2.75-\$5.00)

Friday, April 8—Severino Gazzelloni, flautist (Tickets \$2.75-\$5.00)

Friday, April 15—Itzhak Perlman, violinist (Tickets \$2.75-\$5.00)

Sunday Afternoon Concerts

Northrop Auditorium, 4:00 p.m.

Sunday, April 3—Skitch Henderson (Tickets \$2.00-\$4.00)

CONVOCATIONS

(Open to the public without charge)

Friday, April 1—British Universities Debate Team and University of Minnesota Debate Team, "That there is no need for a Welfare State in an affluent society," North Star Ballroom, St. Paul Student Center, 7:30 p.m.

Thursday, April 7—*Eternal Rome*, color film narrated by Nicol Smith, Northrop Auditorium, 11:30 a.m.

Tuesday, April 12—"The Power of Symbols in Religious Music," Edward Downes, lecturer, critic, music historian, Northrop Auditorium, 11:30 a.m.

Wednesday, April 13—"The Love-Death Theme in Romantic Opera," Edward Downes, North Star Ballroom, St. Paul Student Center, 10:00 a.m.

Thursday, April 14—"Splendour and Decline of Operetta in Europe—Aspects of the History and Social Significance of Light Musical Theatre," Fritz Andre Kracht, Resident Director and Head of Department of Dramaturgy at the Staatstheater am Gartnerplatz in Munich, Northrop Auditorium, 11:30 a.m.

ART EXHIBITIONS

University Gallery

Northrop Auditorium, 8:30 a.m.-4:30 p.m.

To Monday, April 11—Ansel Adams: "Eloquent Light," photographs

To Monday, April 11—Master of Fine Arts Thesis Paintings Exhibits of Robert Burg and Robert Johnson

To Monday, April 18—Marguerite Wildenhain, pottery

Wednesday, April 6, through Tuesday, April 26—Faculty Exhibition

St. Paul Campus

Student Center Galleries

Sunday—12:00 noon-11:00 p.m.

Monday through Saturday

8:00 a.m.-10:00 p.m.

Through Friday, April 15—Prentice T. Gary, pictorial story of Negro life

Monday, April 4, through Friday, April 15—Mrs. Charles Gallaher, oils, landscape and seascapes

MUSIC DEPARTMENT PROGRAMS

(Open to the public without charge)

Scott Hall Auditorium

Monday, April 4—Miss Dana McMillan, voice recital, 8:00 p.m.

Tuesday, April 5—Music Hour, 11:30 a.m.

Tuesday, April 12—Music Hour, 11:30 a.m.

UNIVERSITY THEATRE

Classic Series

Sherlin Hall Arena Theatre, 8:00 p.m.

Thursday, April 14, and Friday, April 15—

The Burnt Flower Bed by Ugo Betti (Tickets \$1.25)

MINNESOTA MUSEUM OF NATURAL HISTORY

Sunday Programs

Museum Auditorium, 3:00 p.m.

(Open to the public without charge)

Sunday, April 3—*Wilderness Day*, color sound film

ATHLETIC DEPARTMENT EVENTS

Home Baseball

Delta Field

Tuesday, April 12—Augsburg College, 2:00 p.m. St. Thomas College, 4:00 p.m.

Friday, April 15—North Dakota State University, 2:00 p.m. (doubleheader) (Baseball tickets sold at gate only—\$1.00)

Home Tennis

University Courts, 3:00 p.m.

(Open to the public without charge)

Wednesday, April 13—A Minneapolis team

SIGNIFICANT UNIVERSITY BROADCASTS

A Service of the General Extension

Division

Radio

KUOM, 770 on the dial

Monday through Friday, 1:30 p.m.—"Public Affairs Forum." The 1966 Massey Lectures, produced by the CBC, will be heard on five successive Mondays beginning April 4th. The speaker will be John Kenneth Galbraith, economist, who will speak on "The Politics of Privation."

Tuesdays, 11:15 a.m.—"Listen with the League." On April 5 and 12, the St. Paul League of Women Voters will examine the local tax situation in St. Paul and the need for city charter reform.

Saturdays, 4:00 p.m.—"The Minnesota Theatre of the Air," presents these dramatizations:

Saturday, April 2—*The Year of the Dragon* by J. Stephen Benson

Saturday, April 9—*The Outcasts of Poker Flat* by Bret Harte

April Music Highlights—Monday through Friday, beginning April 1, 6:00 p.m.—"Evening Concert." The first full week, April 4-8, will feature recordings from Germany, Russia, Hungary, and Czechoslovakia.

Monday, April 4, through Monday, April 11, 2:30 p.m.—"Lenten Music Festival"

Monday, April 4—Bach: Cantata No. 6 for Monday of Easter Week

Tuesday, April 5—Mahler: Symphony No. 2, "The Resurrection"

Wednesday, April 6—Caplet: *Le Miroir de Jesus*

Friday, April 8—Wagner: Parsifal

Saturday, April 9—Telemann: The Passion According to St. Mark

Monday, April 11—Bach: Easter Oratorio

University Television Hour

Channel 2, KTCATV

Mondays, 9:00-9:30 p.m.—"Theatre Stages," with Professor Wendell Josal of the Speech and Theatre Arts Department

Mondays, 9:30-10:00 p.m.—"World Affairs," (Peace Corps) with Mrs. Joan Hickey Polivka, Chairman, Twin Cities Peace Corps Service Council and Representative to World Affairs Center Board

Tuesdays, 9:00-10:00 p.m.—"In the Shadow of Affluence," a Graduate School Research Center Program, with Francis M. Boddy, Acting Dean of the Graduate School; John R. Borchert, Professor of Geography; George A. Donahue, Professor of Sociology, and Roy G. Francis, Professor of Sociology; and guests.

Wednesdays, 9:00-9:30 p.m.—"Folio," with Arnold Walker of the Department of Radio and Television

Wednesdays, 9:30-10:00 p.m.—"Dynamics of Desegregation," (N.E.T. Videotape Series) a survey of the problems of interracial relationships against a world background. Final program April 13.

Wednesdays, 9:30-10:00 p.m.—"Landscape Ideas," with Professor C. Gustav Hard, Extension Horticulturist, Beginning April 20.

Thursdays, 9:00-9:30 p.m.—"Trails West," with Professor Rodney C. Loehr of the History Department, and staff and members of the Minnesota Historical Society

Thursdays, 9:30-10:00 p.m.—"Town and Country," with Professor Ray Wolf of the Institute of Agriculture

Fridays, 9:00-9:30 p.m.—"Campus Close-up," with Professor Robert Scott of the Department of Speech, Communication, and Theatre Arts

Fridays, 9:30-10:00 p.m.—"The French Chef," an N. E. T. video tape.

1966 SPRING LECTURE SERIES

A Service of the General

Extension Division

Mayo Memorial Auditorium, 8:00 p.m.

Tuesdays, March 29 through May 17, "Russia's Golden Age—1894-1914?" an eight lecture series

Tuesday, April 5—"Conservative Thought in Russia, 1894-1914," Robert F. Byrnes, Department of History, Indiana University

Tuesday, April 12—"Radicalism in Russia, 1894-1914," Donald W. Treadgold, Department of History, University of Washington

(General admission for series \$12.50; University staff and students \$7.50; Single tickets will be sold after 8:00 p.m. the evening of the lecture at Mayo Auditorium.)

UNIVERSITY FILM SOCIETY

Shown at the Museum of Natural

History Auditorium

Friday, April 1—*Sound of Trumpets*, Ermanno Olmi's 1962 look at the Italian Organization Man, 7:30 and 9:30 p.m.

Wednesday, April 6—*Flowers of St. Francis* directed by Roberto Rossellini, 1953, 7:30 p.m., and *Voyage in Italy*, Rossellini, 1954, 9:30 p.m.

Friday, April 15—To be announced

University of Minnesota Calendar of Events

April 16-30, 1966

UNIVERSITY ARTISTS COURSE

Northrop Auditorium, 8:30 p.m.

Special Concerts

Friday, April 29—Ferrante and Teicher, piano duo*
 Thursday, April 28—Philadelphia Orchestra*

ART EXHIBITIONS

University Gallery

Northrop Auditorium, 8:30 a.m.-4:30 p.m.
 Monday, April 18, through Monday, May 2—Olle Baertling, paintings
 Tuesday, April 19, through Thursday, May 5—Master of Fine Arts Thesis Painting Exhibits of Larry Friedenson and Ellen Klein
 Thursday, April 21, through Wednesday, May 4—Master of Fine Arts Thesis Pottery Exhibition of Alden Mikkelsen

St. Paul Campus

Student Center Galleries

Sunday—12:00 noon-11:00 p.m.

*Monday through Saturday
 8:00 a.m.-10:00 p.m.*

Friday, April 15, through Friday, May 13—Mr. Louis R. Safer, watercolors and oils
 Tuesday, April 19, through Friday, May 13—Related Art Division of the School of Home Economics Show

MUSIC DEPARTMENT PROGRAMS

(Open to the public without charge)

Sunday, April 17—University Women's Chorus, Grace Lutheran Church, 4:00 p.m.
 Tuesday, April 19—Music Hour, Scott Hall Auditorium, 11:30 a.m.
 Friday, April 22—Concert Band Ensemble, Northrop Auditorium, 8:30 p.m.
 Sunday, April 24—Student-Faculty Chamber Recital, Mayo Memorial Auditorium, 8:00 p.m.
 Sunday, April 24—Miss Roberta Zietlow, flute recital, Scott Hall Auditorium, 4:00 p.m.
 Tuesday, April 26—Music Hour, Scott Hall Auditorium, 11:30 a.m.

* Reservations may be made at 105 Northrop Memorial Auditorium.

Tickets for these events are also available at Dayton's and Field-Schlick on Monday of the week prior to performance.

1966 SPRING LECTURE SERIES

A Service of the General Extension Division

Mayo Memorial Auditorium, 8:00 p.m.
 Tuesdays, March 29 through May 17, "Russia's Golden Age—1894-1914?" an eight lecture series
 Tuesday, April 19—"Witte and the Problem of Industrialization in Russia before the War," Theodore H. Von Laue, Department of History, Washington University
 Tuesday, April 26—"Russian Science from 1894-1914," Alex Vucinich, Department of History, University of Illinois. (General admission for series \$12.50; University staff and students \$7.50; Single tickets will be sold after 8:00 p.m. the evening of the lecture at Mayo Auditorium.)

UNIVERSITY FILM SOCIETY

Shown at the Museum of Natural History Auditorium

Friday, April 22—*Bad Boys*, by Susumi Hani (Japan, 1962) 7:30 p.m., and second film to be announced, 9:30 p.m.
 Friday, April 29—*Baltic Express*, by Jerzy Kawalerowicz (Poland, 1959), 7:30 p.m.

ATHLETIC DEPARTMENT EVENTS

Home Baseball Games

Delta Field

Saturday, April 16—South Dakota State University, 1:00 p.m. (doubleheader)
 Tuesday, April 19—Mankato State College, 2:00 p.m. (doubleheader)
 Friday, April 22—University of Wisconsin, 3:30 p.m.
 Saturday, April 23—Northwestern University, 1:00 p.m. (doubleheader)

Home Track Meets

Memorial Stadium, 12:30 p.m.

Saturday, April 23—Intercollegiate Time Trials
 Saturday, April 30—Intercollegiate Time Trials
 (Baseball and track tickets sold at gate only—\$1.00)

CONVOCATIONS

(Open to the public without charge)

Thursday, April 21—Robert Anderson, playwright, Northrop Auditorium, 11:30 a.m.
 Thursday, April 28—"Songs of the Early Americans—A Musical Treasury of Americana" by Gordon Myers, Coffman Memorial Union Main Ballroom, 11:30 a.m. and 12:30 p.m.

UNIVERSITY THEATRE

Classic Series

Sherlin Hall Arena Theatre

Saturday, April 16; Tuesday, April 19, through Saturday, April 23, 8:00 p.m., Sunday, April 24, 3:30 p.m.—*The Burnt Flower Bed* by Ugo Betti (Tickets Sunday through Friday \$1.25; Saturday \$1.50)

Scott Hall Auditorium Series

Thursday, April 21, through Saturday, April 23, and Tuesday, April 26, through Saturday, April 30, 8:00 p.m., Tuesday, April 26, 3:30 p.m.—*The Days Between* by Robert Anderson (Tickets Sunday through Friday \$1.75; Saturday \$2.00)

SIGNIFICANT UNIVERSITY BROADCASTS

A Service of the General Extension Division

Radio

KUOM, 770 on the dial

Tuesdays, 11:15 a.m.—"Listen with the League." On April 19 and 26, the Minneapolis League of Women Voters will present discussions of Metropolitan area problems.
 Saturdays, 4:00 p.m.—"The Minnesota Theatre of the Air" presents the following dramatizations:
 Saturday, April 16—*The Death of an Actor* by Verner Aspenstrom
 Saturday, April 23—*The Confidence Man* by Herman Melville
 Saturday, April 30—*The Helper* by Allan Edvall

THE MINNESOTAN

Department of University Relations
 217 Morrill Hall

University of Minnesota
 Minneapolis, Minnesota 55455

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THE MINNESOTAN

The University Staff Magazine - May 1966



The President's Page



Education in the United States is enjoying a unique acceptance. It is immensely popular in the public eye and influential in the centers of power. The necessary specialization of modern life, the increasing importance of complex technologies, the overwhelming disposition to know about self, about society, and about the world, which characterizes our age, are all factors which help to place the educational enterprise at the center of twentieth-century American life.

But this new importance has created new problems. One of them is the new ease of mobility among academicians, stimulated by the great demand for qualified staff. This problem is responsible for the expression we hear occasionally: that a faculty member's primary loyalty today is to his profession, not to his institution. I took great pleasure recently from overhearing a conversation of distinguished academic administrators who were sure that institutional loyalty at Minnesota was surprisingly sturdy and vigorous. I hope by sharing that pleasure through these pages to thank this faculty and to strengthen it at the same time.

It is true that the profession trains, evaluates, and nurtures the professional man. But it can do so only through the institution. The profession, like all abstractions, would be unknowable were it not for the concrete reality of the institution in which and through which it achieves its being.

And in a day of excessive specialization, the university provides the common physical setting in which all the professions may meet. Within the last few years, this University has seen dramatic evidence of the fruitful results of crossing lines of discipline and mingling the reflections of several professions. The experimental work done jointly by biologists and mechanical engineers, the inter-disciplinary research projects in international programs -- all are evidence of the continuing relevance of the institution within which professionals are developed and professions fused.

At this time of year we honor those who, at their retirement, remind us of their dedication to both profession and university. Retiring this spring are more than 70 faculty and staff members with a total of more than 1,800 years of service to the University. In my view, this record is bright evidence of loyalty to profession and institution

alike. These departing colleagues have won our gratitude by long years of service to their profession, as well as by loyal dedication to the University of Minnesota.

Meredith Wilson

On the cover . . .

Professor of Physics J. Morris Blair, who is in charge of the installation and the operation of the "Emperor" accelerator, holds a model of the machine. The original in the background weighs 187 tons, with the largest part being a cylindrical steel tank eighty-one feet long and eighteen feet in diameter at its center. See story on page 4.

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A Victory Jubilee

Celebration marks the successful completion of a \$1,100,000 fund drive by Minnesota Masons

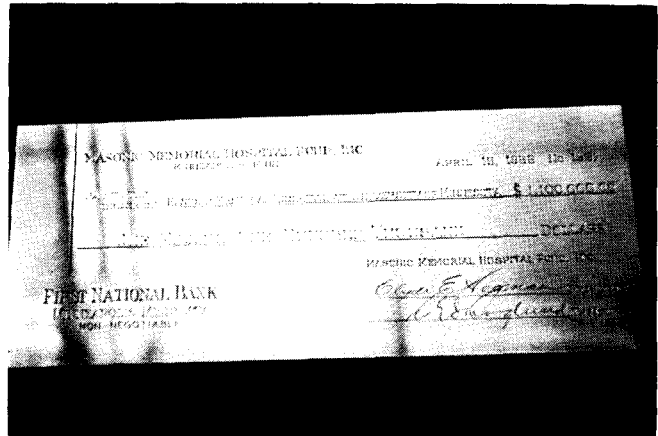


photo by Alan Ominsky

The 14k gold check, which is worth about \$480, was donated by the First National Bank of Minneapolis.

Three years ago, the Masons of Minnesota made a promise—a promise to collect \$1,100,000 to build two additional floors to the Masonic Memorial Hospital. They kept that promise, and on April 19, 1966, at a Victory Jubilee celebration in Northrop Memorial Auditorium, they presented a solid gold check for that amount to the University of Minnesota. The golden check, which is worth \$480, was donated by the First National Bank of Minneapolis.

Before an audience of about 1,600, which included Masons, University doctors, nurses, scientists, and others

who have a special interest in cancer. Mr. Mortimer B. Miley, Grand Master of the Minnesota Masons, and Mr. Clyde Hegman, President of the Masonic Memorial Hospital Fund, Inc., presented the check to President O. Meredith Wilson and to Regent Marjorie J. Howard. Among those seated on the stage were Dr. B. J. Kennedy, Head of the Cancer Research Committee at University Hospitals; Miss Gertrude Gilman, Director of University Hospitals; Dean Robert B. Howard of the University College of Medical Sciences, Vice President Laurence R. Lunden, Vice President Stanley J. Wen-

berg, Regents of the University, and other Hospital and Masonic officials.

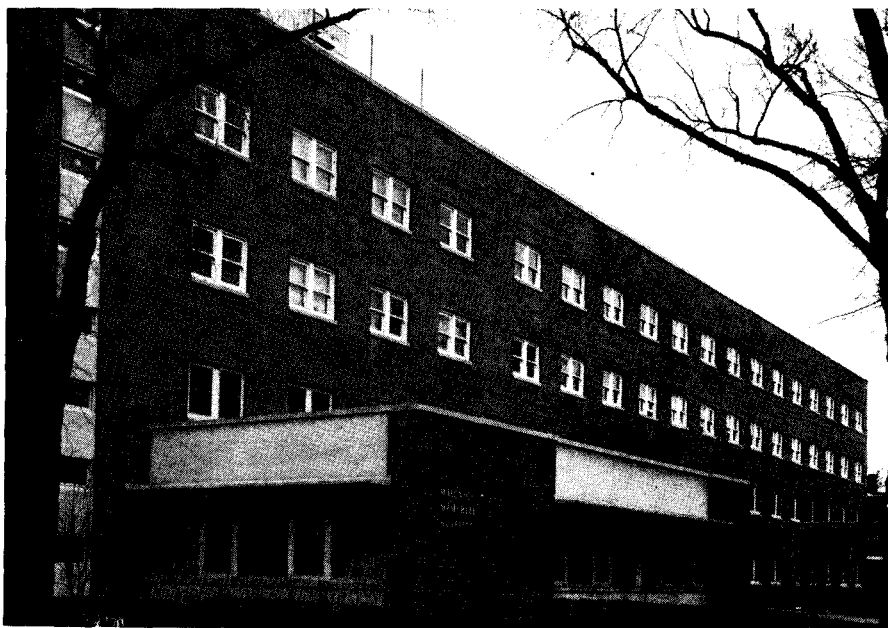
A color documentary film of the Masonic Memorial Hospital's cancer research and therapy programs was shown to the audience and was also transmitted over Channel 4, WCCO-TV.

The first two floors of the Hospital were built in 1957 with one million dollars which was collected by and from the Minnesota Masons. Construction of the third and fourth floors of the Hospital began in the spring of 1965. At that time, the Masons had already collected \$1,007,000—just \$93,000 short of their goal.

The addition of the third floor increases the Hospital's capacity from eighty to 120 beds, and the fourth floor expands the Hospital's research facilities by providing space for research laboratories, which will be used to study cancer detection methods, chemical therapy of cancer, basic problems of cancer growth, and malignant diseases in children and in adults. A rooftop sun deck offers cancer patients a chance to get some fresh air.

The Hospital, which admits cancer patients of all races, religions, and economic levels, carries on an extensive program of research, treatment, rehabilitation, and teaching. The aim of the cancer research program is the control of and the eventual elimination of the disease. This program has been successful in developing cancer treatments for use on patients. The University Cancer Detection Center in

The \$1,100,000 will finance the addition of two floors to the Masonic Memorial Hospital, increasing its capacity from eighty to 120 beds and expanding its laboratory facilities.



(continued on page 10)



Laboratory Named After Distinguished University Physicist

The artist, by his use of sunny golds and oranges in the background of the portrait, calls attention to Professor Williams' work on the atomic bomb at Los Alamos, New Mexico.

A great number of physicists and other distinguished persons looked forward to May 3, 1966. On this day, they were coming to the University of Minnesota to be present when the "Emperor" accelerator building was dedicated and named the John H. Williams Laboratory of Nuclear Physics; they were going to participate in a colloquium, and they were going to personally congratulate Professor Williams.

Guests were coming from all over the nation—from the University of Chicago, from Columbia University, from Harvard University, from the University of California at Berkeley, and other institutions of distinction. Some of these persons had worked with Professor Williams in his research; others had been associated with him when he was a member of the Atomic Energy Commission by appointment of President Eisenhower. All of Professor Williams' family were to be here for the ceremonies. Dr. Glenn T. Seaborg, Chairman of the Atomic Energy Commission, was to be the speaker.

Letters of invitation had been sent, and acceptances had been received. Many people were in on the plans to honor not only one of the University's most respected and best loved professors, but also one who had participated in many phases of nuclear physics, including the making of the first atomic bomb at Los Alamos, New Mexico. At the ceremonies, a portrait of Professor Williams by Minnesota artist William

Saltzman was to have been unveiled.

But on April 18, Professor Williams died, and happy anticipation turned to sorrow.

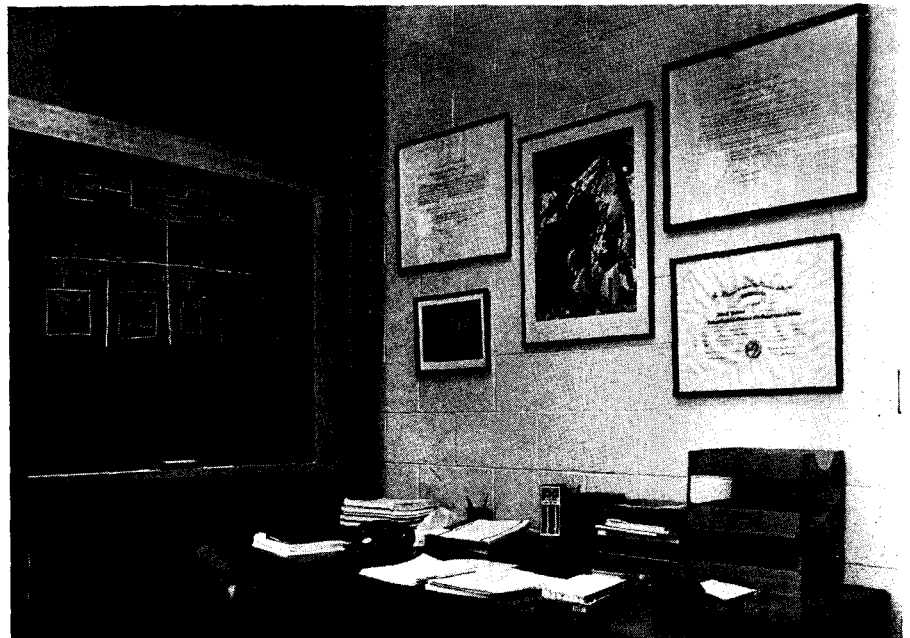
Now the date of the ceremonies—May 3—is the same. The John H. Williams Laboratory of Nuclear Physics will still be named, but the colloquium has given way to a memorial. The place has been changed from Room 150 of the Physics Building to the Mayo Memorial Auditorium. His many friends and associates take some comfort from the fact that Professor Williams before his death knew of the May 3rd plans.

It was largely the reputation and prestige of Professor Williams which brought the "Emperor" accelerator to the University of Minnesota. This impressive machine, financed mostly by

the Atomic Energy Commission, is a \$3.75 million tandem Van de Graaff accelerator. The \$750,000 building, which houses the accelerator on the east bank of the Mississippi River just below St. Anthony Falls in Minneapolis, was financed jointly by the University and the National Science Foundation. Two other buildings nearby, included in the Laboratory. The AEC will contribute about one million dollars a year to keep the entire operation running.

And somehow everyone involved in the future operation of the Laboratory will understand quite well that the wishes of Professor Williams are being carried out, that they—and the University, too—are doing exactly the things that Johnny Williams would have liked.

The writings on the blackboard and the certificates of honor on the wall are silent reminders of the man who once occupied this office.



The Noisiest Place on Campus

The University Printing Department

When you walk into the main plant of the Printing Department on the second floor of the Storehouse and Shops Building, you are met with the rumble of the presses and the clattering of the linotype machines. This busy Department, which was organized around 1917, prints about seventy per cent of the University's publications. It serves only the University, and does so on a self-supporting basis.

In addition to the main plant, where the majority of the work is done, the Department has several satellite operations which are scattered around

apopolis Campus, has two separate offices—one on the East Bank, Room 15, Johnston Hall, and one on the West Bank, Room 33, Social Science Building. The East Bank operation, headed by Miss Harriet F. Johnson, employs twenty-two persons who run the offset equipment to quickly produce booklets and bulletins. The section also offers an addressograph service, with Mrs. Evelyn Oborsky in charge.

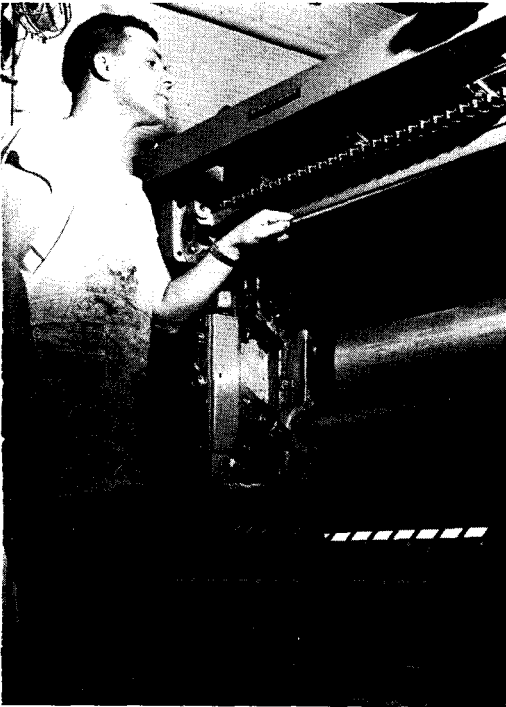
The West Bank office, also an offset operation, consists of two people—Mrs. Dorothy Carter, Senior Clerk, and Mrs. Thoebe Bauer, Clerk. They have at their disposal all of the printing equipment which the East Bank section has, with the exception of a camera. They print booklets and bulletins for the West Bank offices; the more complicated jobs are done by the main plant or a commercial press.

The Mimeograph and Bulletin Department on the St. Paul Campus has thirteen employees—all women—who print brochures and booklets for the St. Paul offices by an offset process. They also do some work for students. Mrs. Elaine K. Hokanson is the Supervisor.

The Duluth Campus has a small plant of its own, which is separate from the Printing Department. This plant can meet the smaller printing needs of the Duluth Campus, but the larger jobs, such as the college bulletin, are sent to the main plant in Minneapolis. The Morris Campus presently has only a small printing operation, and is thus often a customer of the Printing Department.

The main plant in Minneapolis has a staff of fifty, which works in two shifts—from 8 a.m. to 3:30 p.m. and from 3:30 p.m. to 11:30 p.m. During an average day, the plant accepts from twenty-five to thirty-five jobs. This adds up to about 7,000 jobs in the course of a year. Specialized jobs, such as a long run of a fairly large

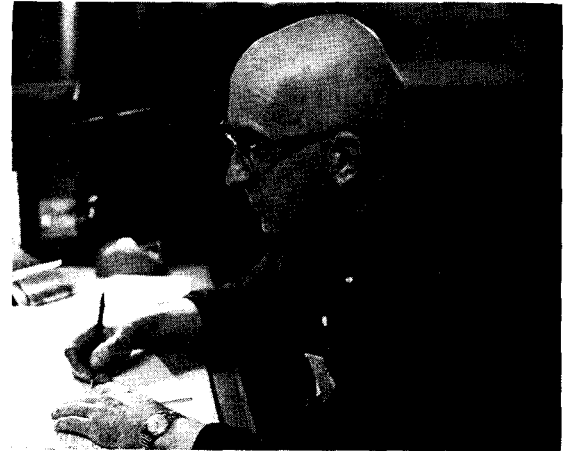
book or a special type of form, are usually given to a commercial printer, but an ordinary University publication can be printed and bound by the Department. The Department maintains composition facilities, letterpress and offset equipment, a bindery area, and a creative design department. Miss



Mr. Roger Arrell, Offset Pressman, explained that this offset press runs at twice the speed of a letterpress, with a top speed of 8,000 impressions per hour.

the campuses. These operations help lighten the main plant's load of printing jobs. "We like to use the satellite operations for fast, short-run jobs," said Mr. Lester L. Metz, Director of the Department.

Central Duplicating, on the Minne-



Mr. Charles Williams, Foreman at the main plant, has been with the Department for thirty-three years.

Jean Shearn, Editor, and the Editorial Assistants—Miss Victoria Surge and Mrs. Frances Peterson—are the three ladies who check the proofsheets for printers' errors. Every aspect of a publication can be done at the main plant, with the exception of writing the original copy.

Each job received by the Department is critically reviewed in order to decide the best method of production. "In the past, the plant has been primarily a letterpress operation," Mr. Metz said. "but in the last few years, there has been a greater interest in design and in the use of color. Jobs involving color and detailed design can be handled better and more economically by an offset press. Because of this, we have been converting the plant more and more to offset," he continued.

(continued on page 10)



Miss Loretta C. Cannon began her forty-three-year University career as a Clerk on the St. Paul Campus and now handles freshman admissions in the Office of Admissions and Records in Morrill Hall. Her duties include answering freshman mail, sending out applications and bulletins, checking freshman applications, processing material for computers, and notifying students of their acceptance or rejection. She plans to take some short trips following her retirement in June.

WE The Retiring Staff Members of the University

Nine staff members, eight of whom are pictured on this page, have been with the University for more than forty years and together represent a total of 407 years of service. These nine and the others who will retire during this year will be honored at a retirement party on May 26 at 3 p.m. in the Mann Court of the Architecture Building. Those with ten or more meritorious years of service will receive a Certificate of Merit as a token expression of appreciation from the University. Friends and relatives of the retiring staff members are invited to attend the party and, with President Wilson, to extend their good wishes.



As an employee of the University's Fruit Breeding Farm for forty-six years, **Mr. Roy E. Sauter** specialized in nursery work and in cross-pollination. He was an Experimental Plot Supervisor for twenty years before his retirement in March. Mr. Sauter said that retirement will give him more time to care for his own orchard, for conducting his tasks as a school board member, and for fishing in the small lake next to his home.

Minnesota born and educated, **Associate Dean of Pharmacy Charles V. Netz** joined the staff of the University in 1918 as a Teaching Assistant. Dr. Netz, who is a Professor of Pharmaceutical Technology, received his B.S., M.S., and Ph.D. degrees at the University. Following his retirement in June, Dr. Netz plans to continue his work with the Minnesota State Pharmaceutical Association, an organization in which he has been active for many years. He served as its President in 1950 and its Secretary from 1939 to 1948.



"I have gotten a big thrill out of teaching," **Mrs. Leah M. Lewis**, Professor of Interior Design said of her forty-five years as a University faculty member. Mrs. Lewis, who started teaching in the Art Department, currently teaches five three-credit classes in Interior Design in the Extension Division. In 1950, she initiated the forty-six credit program of study which results in an Interior Design Certificate, and she said about one-third of her 200 students are now enrolled in the Certificate Program.





The shamrock plant on her desk and the map of Ireland on the wall of her office attest to **Miss Olive E. Johnston's** Irish background. "My mother was part Irish, Miss Johnston explains, "so I was interested in taking a trip to Ireland, which I did last year." Miss Johnston plans to continue her travels after her retirement in June. She came to the University in 1920 as Secretary to the Dean of the Upper Division of what was then called the College of Science, Literature and the Arts and is now Office Supervisor in the Lower Division Administration of the College of Liberal Arts.

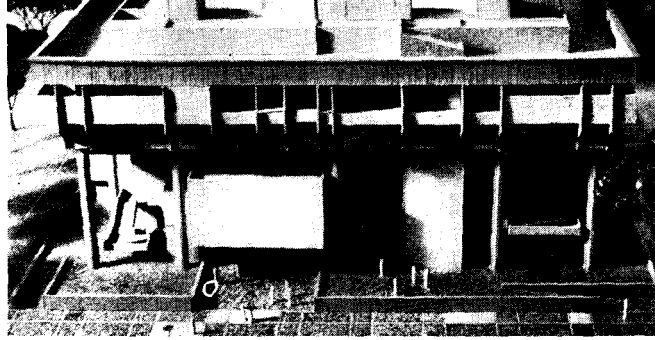
When **Mr. Chester B. Swanson** began work as a delivery boy for the University Print Shop in 1918, he was only fifteen, and the shop was a little frame building behind Experimental Engineering. Mr. Swanson became a Job Press Operator and then a Pressman on a cylinder letterpress which he operated until his retirement in February. Mr. Swanson's hobbies include repair work around the house, some woodworking, and fishing.



Dr. Harold C. Wittich, Professor of Dentistry, organized the Pedodontia Clinic (Children's Dental Clinic) at the University in 1926. In the Clinic, where 1,200 to 1,300 children are cared for each year, Dr. Wittich supervises fourteen undergraduate dental students in addition to serving children who require special care. Dr. Wittich recalls that during his forty-one years at the University, he has treated some third-generation patients. He plans to travel after his retirement in June.



When **Professor of Mechanical Engineering Lloyd J. Quaid** became a faculty member of the School of Engineering in 1923, the school consisted of just Old Mechanical-Electrical, Main, and Experimental Engineering Buildings. He has seen it grow into the Institute of Technology, with a complex of eight buildings and more than 3,000 students. For the past forty-three years, Professor Quaid has taught Engineering Drawing, now termed Engineering Graphics. Professor Quaid hopes to have more time for his hunting and fishing hobbies following his retirement in June.



CLA Offers New Fine Arts Degree

The proposed Performing Arts Center on the West Bank of the Minneapolis Campus will play a part in the new Fine Arts degree program.

This fall a select group of students will be enrolled in a new program of studies in the College of Liberal Arts which will lead to a Bachelor of Fine Arts (B.F.A.) degree in art, music, or theatre. This new program is the result of years of interest, study, and discussion on the part of the faculty of the College of Liberal Arts, particularly those in the fields of the fine and the performing arts.

This winter the College of Liberal Arts Assembly reached a decision as to how such a degree would fit into the total Liberal Arts curriculum. Before this decision was made, a major problem had to be solved. How could the candidates satisfy the basic requirements of the Liberal Arts College and still secure a complete background in the performing field? The new degree superimposed on the usual Bachelor of Arts degree requirements was an unsatisfactory answer because it would generally result in five years of work. A carefully selected committee was needed to give special study to the problem.

CLA Associate Dean John D. Hurrell, Chairman of the specially created Bachelor of Fine Arts Degree Subcommittee of the Dean's Advisory Committee, believes that several factors made the report of the Committee acceptable. First of all, in 1965, the Council on Liberal Education conducted a study under Dr. Donald K. Smith, Assistant Vice President for Academic Administration, which resulted in the adoption of standard distribution requirements for all students at the University. Effective this fall, each candidate for a bachelor's degree must have forty-eight credits in the liberal arts for graduation. A candidate for the Fine Arts degree can then earn the remaining 130 credits in his major field.

"At about the same time, the Curriculum Committee of the Liberal Arts College was engaged in revising the curriculum of the College," Dean Hurrell related. "As part of this investigation, a questionnaire was sent to CLA faculty members asking for opinions of the proposed degree. The answers indicated that there would be a favorable reaction."

Finally, the CLA Assembly was aware that more than one hundred colleges, including all of the other Big Ten schools, offered a fine arts degree.

The total inquiry of the Fine Arts Degree Subcommittee led it to draft a proposal for the Fine Arts degree which was presented to the CLA Assembly. On January 25, the proposal was accepted with only one dissenting vote.

"The fact that the proposal was so readily accepted was due to the familiarity of the faculty with the situation and with the recent curriculum changes taking place throughout the University," Dean Hurrell said. Following approval of the Assembly, the program was accepted by the Board of Regents at its February meeting.

Students entering the program must meet entrance requirements of CLA. They must also meet the All-University distribution requirements as defined by the Council on Liberal Education, but not all of the requisites for a B.A. The three departments involved—music, art, and theatre—must offer detailed course-by-course programs to the CLA Humanities Divisional Council, which is responsible for curriculum matters in humanities. The music and theatre proposals will be acted upon at the Council's next meeting, and the art program will be submitted during the summer.

How is the degree accepted by the departments involved?

Professor Roy A. Schuessler, Acting Chairman of the Music Department, emphasized that the greatest value of the degree program is "its strength musically speaking, with its representative core of professional training."

Professor Schuessler continued, "One way to give proper place to applied music is through the B.F.A., and I feel that the program should produce one of the strongest fine arts degrees in the country."

The University has recently acquired the MacPhail College and School of Music, and Dr. Schuessler said that some of the current MacPhail students will shift to the University's Fine Arts degree program. The music department will offer extension courses through the MacPhail facilities and faculty, and plans are under way to initiate a certificate program through the Extension Division.

Dr. Frank M. Whiting, Director of the Theatre Arts Division of the Department of Speech, Communications, and Theatre Arts, noted that the B.F.A. program is designed to serve the needs of a small, highly select group of acting students, probably limited on the freshman level to not more than fifteen students.

Dr. Whiting said, "We are glad to have the program within the College of Liberal Arts because the actor needs a strong literary and humanities background, combined with specialized work, to make him an effective performing artist."

Associate Professor of Art, Herman Rowan, who is Secretary of the Executive Committee for the Art Studio, said, "Instead of a more casual and sometimes haphazard choice of courses that can occur in the liberal arts-oriented B.A. program, the B.F.A. student's requirements will be more structured."

Staff Members Show In Spite of the Snow

While the March 23rd blizzard raged—obscuring roads, burying cars under huge drifts, and halting the public transportation system in the Twin Cities—University staff members listened attentively to their radio and television sets as hundreds of school, store, and office closings were announced. President O. Meredith Wilson, Assistant to the President Elmer Learn, and Vice President for Business Administration Laurence Lunden were also listening to the reports as they watched the snow whirl against their windows and drift over their lawns. They consulted each other by phone, and President Wilson made the decision—the University would officially close for the day, one of the few times in its history that this has happened. Only a skeleton crew would work.

Most staff members settled back to spend the unexpected holiday snug in their homes. But what about the staff members who made up the skeleton crew? They were vital to the physical functioning of the University; they knew that they must get to work: staff members of the University Hospitals, food service workers, members of the University Police Department, grounds maintenance workers—to mention only a few of the many who made the extra effort to get to work at the height of the blizzard.

At 12:30 Wednesday morning, hours before the decision to close was made, Mr. Jerome Tauer, Grounds Maintenance Supervisor in Plant Services, and his crew began the monumental task of plowing the campus. The Williams Arena area had to be cleared of snow in time for the State High School Basketball Tournament. Mr. Arthur Ribble, Mr. Charles Heberling, and Mr. Robert Patzner worked under Foreman Virgil Dwenell to clear the sidewalks near the Arena. While plowing with a front-end loader, one of the drivers, Mr. William Fowler, noticed something wrong with his basket. He investigated and discovered that he had

scooped up a snow-covered Volkswagen.

Mr. Tauer had lots of praise for his crews. Working with Foreman Eugene Hornby were the drivers: Mr. Kenneth Lyman, Mr. Dennis Wolters, Mr. Arthur Norland, Mr. Norman Pekula, Mr. William Fowler, Mr. Ralph Simcoe, Mr. Wesley Schroeder, Mr. Robert Longsdorf, Mr. James Heinz, and Mr. Bernard Wahlert. "They responded to the call and were 'Johnnys on the spot'



Pillsbury Hall, like so many other buildings on campus, was surrounded by banks of snow.

ready to work." Mr. Tauer said. "They worked from 12:30 a.m. until the campus was plowed at 1:30 p.m. Wednesday—sixteen long hours."

The heavy snow caused only three equipment breakdowns, but Mr. Oren Hanson and Mr. John Laemmle at the transportation garage made the necessary repairs.

Other Grounds Maintenance workers on duty Wednesday were Mrs. Mary Brennan, Dispatcher; Mr. Howard Monsrud and Mr. James Golden, who manned the jeeps that swept the sidewalks; Mr. George Matchett and Mr. Bernard Norton, who cleared steps;

Mr. Richard Miller, Mr. Jack Brown, Mr. Peter Oppgaard, Mr. John Zertuche, Mr. Robert Neitzel, and Mr. Benjamin Modick, who shoveled, and Mr. Lewis Lee, a driver.

It was a hectic day, too, for the University Police Department, which had a heavy load of calls for help and information. Police Captain John Brooker said that the Department carried out a variety of services: aiding staff members and students whose cars were stuck, completing errands for the President's office, and delivering staff members to their jobs. Two men and a shovel were assigned to each of the five squad cars on duty. All of the policemen volunteered to stay beyond their shifts until other staff members could relieve them.

At University Hospitals, many staff members worked long hours and did things not included in their regular duties. Orderlies were enlisted to work with children in the Rehabilitation Center. Nurses worked three shifts; a switchboard operator, Miss Phyllis Harlien, stayed twenty-five hours at her board.

University Hospitals was one of the few hospitals in the area that served its meals on time. To do this one cook in the Diet Kitchen, Miss Beverly Kotila, shuttled between two kitchens. Hospital Food Service worker, Mrs. Thelma Garza, walked four miles to her job. Mrs. Elizabeth Brewer, Senior Dietitian at the Hospitals, after hitchhiking to the University, recruited her son and his girlfriend to wash pots and pans. Mrs. Helen Hoffman, Food Service worker, abandoned her car in a ditch and also hitchhiked to work.

In the Dietary Department, two interns prepared and delivered three hundred baby bottles during the day.

Anticipating a kidney transplant operation, Dr. Richard Lillehei ran the four miles from his Lake of the Isles home to the University campus. The operation was cancelled, as were many non-emergency ones.

Printing

(continued from page 5)

Letterpress is the older printing method in which the paper is pressed against inked type. The type must first be set by linotype machines and locked into galleys. In the offset process, the material to be reproduced is photographed; the last thing that is done is to transfer the image to a rubber cylinder. The paper picks up the impression from this cylinder.

In the last year, the plant's emphasis on the offset process has been quite apparent. About ten months ago, there were three offset presses with three employees running them. Now there are five offset presses with seven employees. The number of jobs done in offset has tripled since the first machine was installed.

The Department prints more publications for the University now than ever before. About a year ago it published about sixty per cent of University publications; now that number has increased to seventy per cent.

Mr. C. Luverne Carlson, Director of University Services, said of the Printing Department, "Their aim is to provide the most efficient service and the highest quality of work at the least expense to the departments."

Besides updating its offset facilities, the Department has made other changes to improve service. Previously, paper was ordered through the Purchasing Department as it was needed. Now a blanket requisition allows the Printing Department to order directly from the paper companies at a great savings of time and money.

The Department has some problems which do not confront a commercial press: it has limited control over the amount of work which it receives; it cannot bid to control the volume. Commercial printers raise prices when the work volume becomes too great. In this way, they cut the volume, and the jobs which they do attract are more profitable. The Printing Department usually has 300 to 400 jobs in progress at one time. For this reason, it is wise to give a job number whenever

Publications of Staff Members

Dr. Arthur H. Ballet, Professor of Speech and Theatre Arts, editor, *Playwrights for Tomorrow: A Collection of Plays, Volume 1 and 2*, University of Minnesota Press.

Dr. Gisela Konopka, Professor of Social Work, *The Adolescent Girl in Conflict*, Prentice-Hall, Inc.

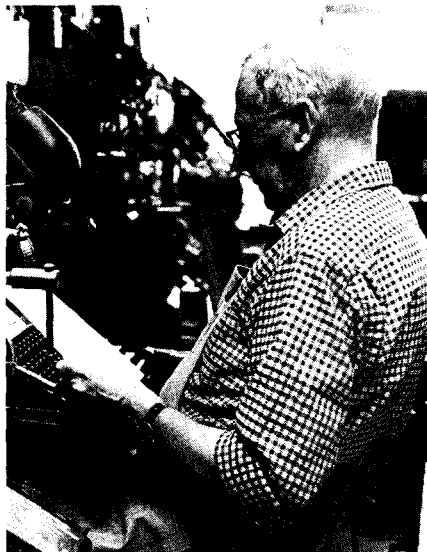
Dr. Richard M. Magraw, Professor of Psychiatry and Internal Medicine, *Ferment in Medicine*, W. B. Saunders.

Dr. Grover E. Maxwell Professor of Philosophy, and Dr. Paul K. Feyerabend, Professor of Philosophy, University of California, Berkeley, editors, *Mind, Matter, and Method: Essays in Philosophy and Science in Honor of Herbert Feigl*, University contributors

include Mrs. May Brodbeck, Professor of Philosophy; Dr. E. L. Hill, Professor of Physics and Mathematics; Dr. Maxwell and Dr. Paul E. Meehl, Professor of Psychology and Clinical Psychology, University of Minnesota Press.

Dr. Seymour Schuster, Associate Professor and Director of the College Geometry Project, and Dr. Paul C. Rosenbloom, Professor of Mathematics and Mathematics Education at Columbia University Teachers College, *Prelude to Analysis*, Prentice-Hall, Inc.

Dr. Ray G. Price, Professor of Education, *General Business for Everyday Living*, Third Edition, Gregg Division, McGraw-Hill Book Company.



Mr. Alvin Tofting has been a Linotype Operator at the University for fifteen years.

inquiring about the progress of a publication.

The Department has been in its present location since 1924. Although the growth within has been rapid, there has been little possibility for expansion. Somewhere in the future is a new building, but this is only in the talking stage. Mr. Metz added that the Department is anticipating the hiring of more people and the purchasing of more equipment to give the University even better service.

Jubilee

(continued from page 3)

the basement of the Hospital is part of a research project which seeks to determine better methods of early cancer detection. Through the rehabilitation program, cancer patients have learned to lead effective lives with continued treatment. The Hospital also serves as a teaching facility by exposing medical students, interns, and residents to the methods of cancer treatment.

"The Hospital's original intention was to handle the so-called 'terminal' cancer patients," Dr. Kennedy stated, "but the atmosphere has changed to one of hope and rehabilitation. Some of the patients who were 'terminal' patients when the Hospital was first started are still alive and are free of the disease today."

Mr. Hegman, who is also the Campaign Chairman, said, "We are most pleased with the remarkable results which have been achieved by the skilled doctors, nurses, and administrative staff of the University. Masons of our State are proud. In fact, we feel a kind of humble honor in being associated with the University in this magnificent enterprise, which has been so successful—probably even beyond our own expectations."

University of Minnesota Calendar of Events

May 1-15, 1966

MINNEAPOLIS SYMPHONY ORCHESTRA

Sunday Afternoon Concert

Stanislaw Skrowaczewski, Music Director
Northrop Auditorium, 4:00 p.m.
Sunday, May 8—Carlos Montoya, flamenco guitarist (Tickets \$2.00-\$4.00)

UNIVERSITY ARTISTS COURSE

Special Concert

Northrop Auditorium, 8:30 p.m.
Thursday, May 12—Cleveland Symphony Orchestra, George Szell, conducting (Tickets \$2.00 to \$5.00)

UNIVERSITY ARBORETUM

Four miles west of Chanhassen on Highway 5

(Open to the public without charge)
Daily during May—The Arboretum will be open to visitors from 8:00 a.m. to sunset

CONVOCATIONS

Northrop Auditorium, 11:30 a.m.
(Open to the public without charge)
Thursday, May 5—Annual Engineers' Day Convocation
Wednesday, May 11—Cap and Gown Day Convocation

UNIVERSITY THEATRE PRODUCTIONS

Scott Hall Auditorium Series

Sunday, May 1—*The Days Between* by Robert Anderson, 3:30 p.m. (Tickets \$1.75)

Playwright's Premiere Series

Sherlin Hall Arena Theatre

Thursday, May 5, through Saturday, May 7, and Tuesday, May 10, through Saturday, May 14, 8:00 p.m.; Sunday, May 15, 3:30 p.m. *All Souls' Night* by Jonathan Gillman (Tickets, Sunday through Friday \$1.25; Saturday \$1.50)

MUSIC DEPARTMENT PROGRAMS

Tuesdays, May 3 and May 10—Music Hour, Scott Hall Auditorium, 11:30 a.m.
Tuesday, May 3—University Orchestra, Northrop Auditorium, 8:30 p.m.
Saturday, May 7—Symphony Bands, Northrop Auditorium, 8:30 p.m.
Friday, May 13—Men's Glee Club, Northrop Auditorium, 8:00 p.m.
Sunday, May 15—Concert Band Ensemble, Northrop Auditorium, 4:00 p.m.
Sunday, May 15—St. Paul Chorus, "An Evening of Beethoven," North Star Ballroom, St. Paul Student Center, 8:00 p.m.

WORLD AFFAIRS CENTER 1966 SPRING LECTURE SERIES

A Service of the General Extension Division

Mayo Memorial Auditorium, 8:00 p.m.
Tuesday, May 3—"Russian Constitutional Developments," Thomas Riha, Department of History, University of Chicago
Tuesday, May 10—"Literature and Artistic Developments in Russia from 1894-1914," Gleb Struve, Department of Slavic Languages, University of California, Berkeley

ART EXHIBITIONS

University Gallery

Northrop Auditorium, 8:30 a.m.-1:30 p.m.
Monday through Friday

Monday, May 2, through Sunday, May 15—M.F.A. Thesis Exhibition of Nancy Hamilton, paintings
Tuesday, May 10, through Tuesday, May 31—Contemporary European Drawings
Tuesday, May 10, through Tuesday, May 31—Walter Quirt, recent drawings
Tuesday, May 10, through Tuesday, May 31—John Reeve, pottery

St. Paul Campus Student Center Galleries

Sunday 12:00 noon-11:00 p.m.

Monday through Saturday 8:00 a.m.-10:00 p.m.

Through Friday, May 13—Louis T. Safer, watercolors and oils
Through Friday, May 13—The Related Art Division of the School of Home Economics Show

UNIVERSITY FILM SOCIETY

Shown at the Museum of

Natural History Auditorium, 7:30 p.m.
Wednesday, May 4—*Salt of the Earth*, (USA, 1955) plus *The Inheritance*, 3:30 p.m. and 7:30 p.m.
Friday, May 6—*Quai Des Brumes* (France, 1938)
Saturday, May 7—Nazi Feature films: 1939-45: *Baton Munchausen* plus another film to be announced
Friday, May 13—*Black God, White Devil* (Brazil, 1964)

SIGNIFICANT UNIVERSITY BROADCASTS

A Service of the General Extension Division

Radio

KUOM, 770 on the dial

Monday, May 9, through Saturday, May 14, 6:00 p.m.—"Metropolitan Opera Previews," with Professor Emeritus of Music Donald N. Ferguson and Associate Professor of Music Dominick Argento.
Monday, May 9—*La Boheme*
Tuesday, May 10—*Faust*
Wednesday, May 11—*Il Trovatore*
Thursday, May 12—*The Barber of Seville*
Friday, May 13—*The Queen of Spades*
Saturday, May 14—*Lucia di Lammermoor*
Mondays, Wednesdays, and Fridays, 11:00 a.m.—"Humanities in the Modern World 3A," classroom lecture series
Saturdays, 4:00 p.m.—"The Minnesota Theatre of the Air:"
Saturday, May 7—*The Man of Destiny* by George Bernard Shaw
Saturday, May 14—*Compelled* by August Strindberg
Tuesdays, 4:00 p.m.—"Conscience of a Nation," (N.E.R.) Professors Harry Kalven, Jr., and Philip B. Kurland of the University of Chicago Law School

University Television Hour

Channel 2, KTCA-TV

Mondays, 9:00-9:30 p.m.—"The Playhouse: Two Boards for a Passion," with Professor Wendell Josal of the Speech and Theatre Arts Department
Mondays, 9:30-10:00 p.m.—"World Affairs," (Peace Corps) with Mrs. Joan Hickey Polivka, Chairman of the Twin Cities Peace Corps Service Council, and World Affairs Center Board member
Tuesdays, 9:00-10:00 p.m.—"In the Shadows of Affluence," a Graduate School Research Center Program
Wednesdays, 9:00-9:30 p.m.—"Folio," with Arnold Walker of the Radio and Television Department
Wednesdays, 9:30-10:00 p.m.—"Landscape Ideas," with Professor C. Gustav Hard, Extension Horticulturist
Thursdays, 9:00-9:30 p.m.—"Trails West," with Professor Rodney C. Loehr of the History Department, and staff and members of the Minnesota Historical Society
Thursdays, 9:30-10:00 p.m.—"Town and Country," with Professor Ray Wolf of the Institute of Agriculture
Fridays, 9:00-9:30 p.m.—"Campus Close-Up," with Professor Robert Scott of the Department of Speech and Theatre Arts
Fridays, 9:30-10:00 p.m.—"The French Chef," N.E.T. Videotape Series

ATHLETIC DEPARTMENT EVENTS

Home Baseball

Delta Field

Friday, May 6—University of Iowa, 3:30 p.m.
Saturday, May 7—University of Iowa, 11:00 a.m. (doubleheader)
Saturday, May 14—Michigan State University, 1:00 p.m. (doubleheader)

Home Track Meets

Memorial Stadium

Saturday, May 7—University of Wisconsin, 4:00 p.m.
Saturday, May 14—Intercollegiate Time Trials, 12:30 p.m.
(Baseball and track tickets sold at gate only—\$1.00)

Home Golf Meet

University Course, 1:00 p.m.

(Open to the public without charge)

Tuesday, May 3—Macalester, Carleton, North Dakota

Home Tennis Meets

University Courts

(Open to the public without charge)

Wednesday, May 4—Carleton College, 3:30 p.m.
Friday, May 6—University of Wisconsin and Purdue University, 2:00 p.m.
Saturday, May 7—University of Wisconsin and Purdue University, 3:00 p.m.

Home Football Game

Memorial Stadium, 1:30 p.m.

Saturday, May 7—Intra-Squad game (Admission charge)

University of Minnesota Calendar of Events

May 16-31, 1966

METROPOLITAN OPERA

Northrop Auditorium

Wednesday, May 18—*La Boheme*, Giacomo Puccini, 8:00 p.m.

Thursday, May 19—*Faust*, Charles Gounod, 8:00 p.m.

Friday, May 20—*Il Trovatore*, Giuseppe Verdi, 8:00 p.m.

Saturday, May 21—*Barber of Seville*, Gioacchino Rossini, 1:30 p.m.

Saturday, May 21—*Queen of Spades*, Peter Ilich Tchaikovsky, 8:00 p.m.

Sunday, May 22—*Lucia Di Lammermoor*, Gaetano Donizetti, 1:30 p.m.

Ticket prices: \$4.00, \$7.50, \$10.00, \$11.50, and \$13.00. Mail orders at 106 Northrop Auditorium.

MUSIC DEPARTMENT PROGRAMS

Tuesday, May 17—Music Hour, Scott Hall Auditorium, 11:30 a.m.

Tuesday, May 24—Music Hour, Scott Hall Auditorium, 11:30 a.m.

Wednesday, May 25—Glee Club, "Spring Sing," Coffman Union, 12:30 p.m.

Sunday, May 29—Student-Faculty Chamber Recital, Mayo Memorial Auditorium, 8:00 p.m.

UNIVERSITY FILM SOCIETY

Shown at the Museum of Natural History Auditorium 7:30 p.m.

Asiatic Film Festival

Friday, May 20—*The Householder* (India, 1962) based on a story by Ruth Praver Jhabvala; *Magdama's Donkey* (Soviet Georgia, 1957)

Saturday, May 21—*Being Two Isn't Easy* (Japan, 1962) directed by Kon Ichikawa; *Vietnam in Conflict* (Japan, 1965)

Friday, May 27—*The General* directed and acted by Buster Keaton; plus other Keaton films and new student film

CONVOCATION

(Open to the public without charge)

Thursday, May 19—Annual Education Day Convocation

UNIVERSITY THEATRE PRODUCTIONS

Young People's University Theatre

Scott Hall Auditorium

Saturday, May 21, 10:30 a.m. and 3:30 p.m.; Sunday, May 22, 3:30 p.m. *The Snow Queen* based on Hans Christian Andersen's fairy tale. (Tickets \$-.75)

Centennial Showboat

Thursday, May 26, through Saturday, May 28; Monday, May 30; and Tuesday, May 31, Monday through Thursday, 8:00 p.m.; Friday and Saturday, 7:00 and 10:00 p.m. *The Great Get-Away* (Tickets, Monday through Friday \$2.00; Saturday \$2.50)

WORLD AFFAIRS CENTER 1966 SPRING LECTURE SERIES

A Service of the General Extension Division

Mayo Memorial Auditorium, 8:00 p.m.

Tuesdays through May 17—"Russia's Golden Age—1894-1914?" lecture series moderated by Theofanis G. Stavrou, Associate Professor of History, University of Minnesota

Tuesday, May 17—"The Imperatives of Russian Foreign Policy," Roderick E. McGrew, Department of History, University of Missouri

(Single tickets will be sold after 8:00 p.m. the evening of the lecture at Mayo Auditorium for \$2.50 per lecture.)

UNIVERSITY ARBORETUM

Four miles west of Chanhassen on Highway 5

(Open to the public without charge)

Daily during May—The Arboretum will be open to visitors from 8 a.m. to sunset.

ART EXHIBITIONS

University Gallery

Northrop Auditorium, 8:30 a.m.-4:30 p.m. Monday through Friday

Thursday, May 19, through Tuesday, May 31—M.F.A. Thesis Exhibitions of Robert Daigle, prints, and Tiit Raid, paintings and prints

Through Tuesday, May 31—Contemporary European Drawings

Through Tuesday, May 31—Walter Quirt, recent drawings

St. Paul Campus Student Center Galleries

Sunday 12:00 noon-11:00 p.m.

Monday through Saturday

8:00 a.m.-10:00 p.m.

Monday, May 16, through Friday, June 10—Helen Gerardi, graphics

Monday, May 16, through Saturday, June 11—3M Art Club

SIGNIFICANT UNIVERSITY BROADCASTS

A Service of the General Extension Division

Radio

KUOM, 770 on the dial

Saturdays, 4:30 p.m.—"The Minnesota Theatre of the Air" presents the following dramatizations:

Saturday, May 21—*Yellow Wallpaper* by Charlotte Perkins Gilman

Saturday, May 28—*Death of an Actor* by Verner Aspenström

ATHLETIC DEPARTMENT EVENTS

Home Track Meet

Memorial Stadium, 12:30 p.m.

Saturday, May 28—Minnesota State Federation Meet (Track tickets sold at gate only—\$1.00)

THE MINNESOTAN

Department of University Relations
217 Morrill Hall

University of Minnesota
Minneapolis, Minnesota 55455

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