

Dear Colleagues:

Welcome!

We are about to begin a new academic year. The barricaded Berlin Boundary, the closed access corridors through East Germany, the failure of the talks to ban nuclear tests, and the situations in Cuba and Brazil provide an ominous environment for our work, but they also make it more important.

It is gratifying to note how nearly intact our departmental rosters are. We all appreciate the loyalty and devotion which have kept so many of you with us despite the temptations that have been set in your way. Preregistration figures suggest that this fall will bring the largest enrollment in history. It may also be the most important. If we can make virtue of necessity this can be our best year, and the beginning of a new era.

In these times the role of an educator is not easy, but it can be exciting.

Sincerely,

O. Meredith Wilson
President

● CONSOLIDATED FUND DRIVE OPENS OCT. 2 ON THE MINNEAPOLIS CAMPUS. CONTRIBUTIONS to the United Fund of Hennepin County can help more than 80 Hennepin County health and social welfare agencies. Staff members also have an opportunity to contribute to the Hennepin County chapter of the American Cancer Society and the Minnesota Heart Association during this drive.

Staff members may authorize convenient payroll deductions over a six-month period, according to Samuel H. Popper, Assoc Prof (Educ Adm), this year's Consolidated Fund director, who has high hopes for a successful drive. Sterling B. Garrison, Asst to Vice President (Business Administration), is associate director and will succeed Prof. Popper next year.

Solicitors -- 350 University staff members -- will work under 40 captains, also staff members, in collecting.

Captains for the drive are R. L. Scott, Assoc Prof (Spch); Tracy Tyler, Prof (Educ); Kenneth Zimmerman, Stu Pers Wkr (Admis and Rec); David L. Bills, Asst Prof (ROTC); Ivan C. Fletcher, Asst to Dir (Professional Coll Bkstore); Byron C. Smith, Prin Tab Equip Supv (Business Office); Richard K. Gaumnitz, Prof (Sch Bus Adm); Virginia Liebeler, Pers Rep (Civil Serv); Peggy Herald, Bkpr (Campus Club); Raymond J. Lammers, Inst (Conc and Lect); Ambert B. Hall, Prof (Dent); Henry E. Allen, Prof and Coord (Stu Religious Activities); Walter K. Thorsell, Inst (Mort Sci); William H. Edson, Prof and Dir (Stu Pers Office); Robert C. Rathburn, Asst Prof (Gen Coll);

Shirley McDonald, Adm Secy (Grad Sch); Edward J. Dvorak, Inst and Health Educator (Health Serv); Edward S. Loye, Assoc Prof (IT Math); Steven Scallen, Asst Dean (Law); Raymond A. Bohling, Asst Prof, Supv Dept Lib (Lib); Dolores Bruncke, Sr Clk-Typist (Lib Sch); Dorothy Scholz, Artist (Museum); Charles V. Netz, Assoc Dean and Prof (Pharm); Fred M. Chapman, Assoc Prof (Phys Ed -- Men); Alvin R. Johnson, Shop Supt (Plant Serv); Andrew R. Vernes, Asst Dir (Police); Barbara Andrle, Secy (Stu Unions); Clara Kanun, Asst Prof (Summer Session); Glenn R. Mitchell, Asst Dir (Hosp); William J. Brimi, Ed Asst (U Press); James Schroeder, Dir (Centennial and Territorial); W. A. Sullivan, Dir and Asst Prof (Cont Med Educ); Sally Killmer, Inst (Child Dev); Mabelle Anderson, Sr Secy (Mines Exp Sta); Russell S. Tobias, Asst Prof (Inorg Chem); Harry S. Jerabek, Assoc Prof (Metal); Adrian Dorenfeld, Assoc Prof (Mines and Metal); Arlene Fenske, Secy (Mun Ref Bur); Marcia Arko, Sr Info Rep (U Relations); June Cochrane, Inst (Phys Ed -- Women).

● THE REPORT OF THE SENATE COMMITTEE ON EDUCATION TO THE SENATE ON JUNE 2 made recommendations for restructuring departments into colleges, schools, and institutes within the University. President O. Meredith Wilson has been meeting with representatives of different educational areas of the University to discuss the implications of the recommended changes. Groups meeting with the President include: 35 faculty members from the basic natural sciences, 28 from physical sciences (pure and applied), 48 from biological sciences (pure and applied) 33 from social sciences, and 43 others from all departments of SLA. Meetings began Sept. 18 and are running through Oct. 10. (Summaries of discussions will appear in the Oct. 15 issue.)

Malcolm M. Willey, Vice President (Academic Administration), Bryce Crawford, Dean and Prof (Grad Sch), and representatives from the Senate Committee on Education, the Faculty Consultative Committee, and the Graduate School attend all meetings.

● ENROLLMENT THIS FALL ON ALL FOUR CAMPUSES--MINNEAPOLIS, ST. PAUL, DULUTH and Morris--is expected to exceed the 29,000 originally predicted. Official enrollment figures will be available about Oct. 10.

● 1,000 MINNESOTA LEGISLATORS, EDITORS, AND BROADCASTERS WERE UNIVERSITY guests Sept. 30. They (1) saw 40 exhibits in Williams Arena, (2) took two tours, seeing Centennial Hall, VFW Cancer Research Center, Masonic Memorial Hospital, closed circuit TV, University Health Service, and Architecture Bldg. (red tour) -- Newman and Lutheran student centers, language laboratory, Museum of Natural History, KUOM and TV studios, Northrop, James Ford Bell Room, and Architecture Bldg. (green tour), (3) ate hot dogs and apples, and (4) saw the Minnesota-Missouri football game. This year no busses were used for tours, and guests ate hot dogs instead of barbequed beef. Luncheon was served by the Block and Bridle Club (majors in animal husbandry), assisted by the Alpha Phi Omega service fraternity.

● THIS MARKS THE FIRST ISSUE OF THE STAFF BULLETIN - SUCCESSOR TO THE MINNESOTAN. Publishing dates are the 1st and 15th of each month, October through May. In order to make it an All-University publication, the editors welcome items from all staff members -- about people, awards, research, books, studies, honors, or appointments. Above all, tell us what you think it should contain.

The University of Minnesota STAFF BULLETIN is published twice monthly, October through May, by the Department of University Relations, 213 Administration Building, Minneapolis 14, Minn. Subscription free copies mailed to staff members. Non-staff member subscription rate: \$1.80. Application to mail at second-class postage rates pending at Minneapolis, Minnesota.

William L. Nunn, Director
Beverly Sinniger, Editor Mary Ann Stehr, Associate Editor Advisory Committee: University Public Information Council

● NO EDUCATIONAL DOLDRUMS AT THE UNIVERSITY AFTER JUNE COMMENCEMENT. ENROLLMENTS were up -- first and second summer sessions drew 17,651. This was 1,042 more than in 1960. In addition, groups -- ranging from Arab students to space scientists -- attended a wide variety of meetings, institutes, and special courses. Samples:

● For the first time, a National Defense Education Act language institute was held here. Made possible by the new language laboratory on the third floor of Folwell Hall, the eight-week institute for 63 secondary and elementary school teachers was directed by Walter T. Pattison, Prof (Romance Lang).

● National Science Foundation sponsored institutes for 122 high school science and math teachers. Frank Verbrugge, Assoc Dean (IT Adm) directed the institute for math, chemistry, and physics teachers. A six-weeks' course in radiation biology was co-sponsored by the Atomic Energy Commission and directed by Francis A. Spurrell, Assoc Prof (Vet Surg). The field and laboratory biology institute, held again at Lake Itasca Forestry and Biology Station, was directed by David W. French, Assoc Prof (Pl Path).

● The Center for Continuation Study continued its varied activities. One program was an institute for juvenile judges, newly expanded by a grant from the National Institute of Mental Health. Other activities included an institute for space scientists, directed by Helmut G. Heinrich, Prof (Aero Engr) and a three-day driving education course for driving instructors and school officials. Robert Shaw, choral and orchestra conductor, and Julius Herford, music teacher, directed the University's second annual Workshop in Choral Art.

● Fifteen internationally-recognized authorities in statistics and health sciences attended the Fourth Graduate Summer Session of Statistics in the Health Sciences at the School of Public Health for the second year. Jacob E. Bearman, Prof (Sch Pub Health) was assisted by Vernon E. Weckworth, Lect and Administrator (Sch Pub Health) in directing the session. A research training grant from National Institutes of Health, Division of General Medical Sciences, made the program for 128 people possible.

● School of Business Administration participated in an experimental program in modern mathematics. Directed by Paul V. Grambsch, Dean and Prof (Sch Bus Adm) the program is being financed by a Ford Foundation grant. Follow-up courses in application of modern mathematics to business problems will be offered during the rest of this academic year.

● The School of Journalism, one of 10 chosen by the Wall Street Journal's Newspaper Fund, held study seminars for high school journalism teachers and publication advisers. Director was John C. Sim, Asst Prof (Jour).

● After summer sessions the University continued to be a busy place as some 30 outside groups utilized its facilities. Such utilization helps out financially and benefits useful organizations looking for convention sites. One group was the Organization of Arab Students, which held its 10th annual convention here. Another was the American Institute of Cooperation, which drew more than 200 prominent speakers -- among them Secretary of Agriculture Orville Freeman and other leading representatives of federal agencies. More than 3,000 co-op managers, directors, educators, and youth delegates from 39 states, Canada, Puerto Rico, and the Republic of China attended 20 different sectional meetings on subjects ranging from research and education, credit, and financing to dairying, livestock, and eggs.

University of Minnesota Calendar of Events

OCTOBER, 1961

MINNEAPOLIS SYMPHONY CONCERTS

Subscription Series

Northrop Auditorium, 8:30 p.m.

October 13 -- All Orchestral Opening Concert.
 October 20 -- Philippe Entremont, pianist.
 October 27 -- Roman Totenberg, violinist.
 (Single tickets \$2.50 to \$4.75. Reservations may be made at 106 Northrop.)*

Twilight Concerts

Northrop Auditorium, 4:30 p.m.

October 22 -- First Twilight Concert.
 (General admission \$1.25. Sale of tickets opens at the Northrop Box Office at 3:30 p.m. on the day of the concert.)

UNIVERSITY ARTISTS COURSE CONCERTS

Masterpiece Series

Northrop Auditorium, 8:30 p.m.

October 9 -- Eileen Farrell, soprano.
 (Single tickets \$1.50, \$2.50, \$3.00, \$3.50. Reservations may be made at 105 Northrop.)*

Celebrity Series

Northrop Auditorium, 8:30 p.m.

October 18 -- Mantovani and His New Music.
 (Single tickets \$1.50, \$2.50, \$3.00, \$3.50. Reservations may be made at 105 Northrop.)*

SPECIAL CONCERTS

Humanities Program Chamber Music

Museum of Natural History Auditorium,
 8:00 p.m.

October 11, 19, 25.

CONVOCATIONS

Northrop Auditorium, 11:30 a.m.

September 28 -- Opening Convocation.
 October 5 -- The Bob Mantzke Choralaires.
 October 19 -- SLA Convocation. Lecture by Carl Rowan, Deputy Assistant Secretary of State for Public Affairs.
 October 24 -- Special Homecoming Convocation.
 October 26 -- To be announced.

UNIVERSITY THEATER PRODUCTION

Young People's University Theater

Scott Hall Auditorium

October 14, 10:30 a.m. and 3:30 p.m.;
 October 15, 3:30 p.m. -- *Radio Rescue* by Charlotte Chorpennig.
 (Single tickets \$.50 on sale at Scott Hall Box Office.)

SIGNIFICANT UNIVERSITY BROADCASTS

KUOM, 770 on the dial

Thursday, 4:00 p.m. -- "Art of the Essay." Don Salper of the KUOM staff selects and reads a variety of meaningful and entertaining essays.

Friday, 11:15 a.m. -- "Freshman English Lectures," delivered each year by senior members of the University English department. Subject of the fall quarter series is fictional prose.

Friday, 4:10 p.m. -- Heinrich Fleischer, University organist, plays selections from organ literature.

Saturday, 4:00 p.m. -- "Minnesota Theater of the Air," presented by the Radio and Television Guild of the University.

October 7: "Hamlet" by Shakespeare;
 October 14: "Candida" by Shaw;
 October 21: "Miss Julie" by Strindberg;
 October 28: "Lady Windermere's Fan" by Wilde.

UNIVERSITY TELECASTS

Seen on Channel 2, KTCA-TV

Monday, Thursday, 9-9:30 p.m. -- "History of Western Civilization" with John B. Wolf, Professor of History. This series will deal with the rise of the bureaucratic police state, tracing it from its feudal origins into the 18th century. The material parallels that of History 1.

Monday, 9:30-10 p.m. -- "World Affairs" with George Grim. The *Minneapolis Star and Tribune* columnist moderates this series of weekly world affairs discussions conducted by authorities from the University faculty and the community. Programs are produced in cooperation with the *Minneapolis Star* Program of Information on World Affairs and follow the topic outline of the *World Affairs Study Guide*.

Tuesday, Friday, 9-10 p.m. -- "Introduction to the Theater" with Arthur H. Ballet, Associate Professor of Speech and Theater Arts. This television presentation of Speech 31 is offered for 3 or 4 credits to students wishing to enroll through the

Correspondence Study Department of the University. The course deals with the history and theory of plays and playwrights as well as with various arts and crafts of the theater.

Wednesday, 9-10 p.m. -- "Folio". Arnold Walker of the University television staff serves as guide for this award winning potpourri of people and ideas.
 Thursday, 9:30-10 p.m. -- "Town and Country" with Ray Wolf, Associate Professor and Information Specialist, Agricultural Extension.

UNIVERSITY GALLERY EXHIBITIONS

Through November 5 -- Leonard Baskin: Bronze sculpture, drawings, prints.
 Through November 5 -- Paul Jenkins: Recent paintings.
 Through October 29 -- Faces and Facades: Photographs of the Gateway area by Jerome Liebling and Robert Wilcox.

MUSIC DEPARTMENT PROGRAMS

Tuesday Music Hours

Scott Hall Auditorium, 11:30 a.m.

October 3, 10, 17, 24, 31 -- students, faculty, guest artists.

Concerts

Northrop Auditorium

October 8, 4:30 p.m. -- Bernhard Weiser, piano recital.
 October 29, 3:30 p.m. -- Heinrich Fleischer, organ recital.

ATHLETIC DEPARTMENT EVENTS

Home Football Games

Memorial Stadium, 1:30 p.m.

October 7 -- University of Oregon.
 October 28 -- University of Michigan.
 (Single tickets \$4.00. Over-the-counter sale of any unsold tickets begins the Monday before each game at 109 Cooke Hall.)*

Cross Country

Nokomis Park, 10:00 a.m.

October 7 -- Wisconsin.

*Tickets for these events are available at the Field Schlick Ticket Office, St. Paul, and the Downtown Ticket Office, 188 Northwestern Bank Building, Minneapolis, on Monday of the week prior to the performance.



● DOES LEARNING IN A SUMMER SESSION COMPARE FAVORABLY WITH LEARNING IN A regular quarter? Probably yes, according to a pilot study by E. W. Ziebarth, Dean and Prof (Summer Session); Clara Kanun, Asst Prof (Soc Sci); and Norman Abrahams, Res Asst (Summer Session).

Since total class hours for most summer session courses are almost the same as for regular quarter courses, the study sought to find which was better -- concentration in five weeks or spacing throughout 10 weeks. Exams show little difference in achievement.

The authors point out that the study was not conducted under ideal control conditions, but that it does provide some answers and a background for a future study.

● CHANCELLOR FRANKLIN D. MURPHY OF U.C.L.A. WILL SPEAK AT THE TWO MILLIONTH volume presentation to Walter Library, Nov. 9. Chancellor Murphy made a distinguished name in Kansas university circles when, as president of the University of Kansas, great strides were made in the utilization of library facilities.

The volume will be presented at a "Friends of the Library" dinner at Coffman Union. Your invitation to attend is printed below. Fill in the handy reservation form, clip, and mail at once.

The ceremonies featuring Chancellor Murphy are a part of our effort to secure the new library building on the West Campus. In addition to his speech, Chancellor Murphy will meet with legislative and business leaders and will hold a major news conference.

Every staff member can play a part in the effort for the new library. Those who cannot be present to hear Chancellor Murphy speak at the dinner, can tune in on radio and TV news broadcasts and check the newspapers for his remarks.

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| <p>THE FRIENDS OF THE UNIVERSITY OF MINNESOTA LIBRARY</p> <p>CORDIALLY INVITE YOU TO ATTEND</p> <p>AN INFORMAL DINNER AT WHICH THE LIBRARY</p> <p>WILL BE PRESENTED WITH ITS</p> <p><i>two millionth volume</i></p> <p>A GIFT OF THE LATE JAMES FORD BELL.</p> <p>TIME: 6:30 P.M. Thursday, November 9, 1961</p> <p>PLACE: Main Ballroom, Coffman Memorial Union</p> | <p>RESERVATION CARD</p> <p>Please reserve _____ places for me (at \$5.00 each) for the "Two Millionth Volume" dinner of the Friends of the University of Minnesota Library, to be held in the Main Ballroom, Coffman Memorial Union, on Thursday, November 9, 1961, at 6:30 P.M.</p> <p>Enclosed is my check for _____, made out to the University of Minnesota.</p> <p>NAME _____</p> <p>ADDRESS _____</p> <p>_____</p> <p>Mail to 213 Administration Building</p> |
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● TEN TWIN CITIES FIRMS MAKE POSSIBLE A NEW GRADUATE SCHOOL PROGRAM. THESE firms, all engaged in electronics or related fields, will finance evening courses leading to a master of science degree with a major in electrical engineering. Classes begin Sept. 16, open only to employees of participating firms who meet regular admission requirements of the Graduate School.

A unique feature -- courses will be taught by University staff members as part of their regular instructional load instead of through the General Extension Division.

The program grew out of discussions and planning by the State Electronic Industries Committee, Twin City Personnel Managers Assn., and Minnesota Professional Engineers Society.

Participating firms include Minneapolis Honeywell, Control Data Corp., Remington-Rand Univac, Fluidyne, Electro Nuclear Systems, Fabri-Tek, Ramsey Engineering, General Mills, Magnetic Controls, and Minnesota Mining and Manufacturing Co.

● THE STAFF BULLETIN IS PUBLISHED FOR ALL FULL-TIME ACADEMIC AND CIVIL SERVICE staff members on all University campuses and at all outlying stations. If you did not receive a copy, notify the editors at extension 6847, and your name will be added to the mailing list.

● THIRTY-TWO UNIVERSITY DRIVERS RECEIVED AWARDS AT THE 7TH ANNUAL SAFE DRIVER Award meeting early summer. Awards designated the number of years driven without a preventable accident.

One-year award winners -- Edward Horarik, Bldg Caretaker; Robert Mayberry and Clarence Barnhart, both Del Serv Drivers (Pl Serv); Darrold Telle and Donald Wiebe, both Patrolmen (Police); Lloyd McAninch, Gen Mech (Vend Serv); Donald Libby, Del Serv Driver (Animal Hosp); James Kyander and Richard Bird, both Del Serv Drivers (St. Paul Pl Serv).

Two-year award winners -- Lawrence Erickson, Alvin Marshall, Arthur Norland, and William F. Fowler, all Del Serv Drivers (Pl Serv); Deane Erickson, Del Serv Driver (Serv and Maint); Louis O'Grady, Vend Mach Serviceman (Vend Serv).

Three-year award winners -- Harold Bontjes, Del Serv Driver (Serv and Maint); Ezra Berry, Del Serv Driver (Gen Storehouse); Phillip Danielson and Matthew Kupcho, both Patrolmen (Police); William Edholm, Del Serv Driver (St. Paul Pl Serv); Arthur Burnquist, Del Serv Driver (Pl Serv).

Four-year award winners -- Gerald Nichols, Patrolman (Police); Arthur Olson, Vend Mach Serviceman (Vend Serv).

Five-year award winners -- Arthur Halpin and James McDonough, both Patrolmen (Police); Norman Pekula, Del Serv Driver (Pl Serv).

Six-year award winners -- John Webb, Del Serv Driver (Pl Serv); Oscar Krona, Heavy Equip Op (Pl Serv); Fred Heinkel, Del Serv Driver (Lndry).

Seven-year award winners -- Duane Dorfner and Lewis Lee, both Del Serv Drivers (Pl Serv); Curtis Mattson, Sr Engr Asst (Pl Serv).

● 149,660 MEN AND WOMEN HAVE REGISTERED AT THE UNIVERSITY'S CENTER FOR CONTINUATION Study since its inception 25 years ago, reports Fred E. Berger, Dir -- 116,789 have been Minnesotans, 31,156 from various states, and 1,715 from abroad. Most -- 22,212 -- have attended medical courses. Education and technological subjects rated next. Attendance for fiscal year ending June 30 -- 9,914. First study center of its kind to appear on a college campus, it has offered a total of 2,508 short courses, workshops, training institutes, and seminars.

The Center is exhibit "A" in University services and leadership to Minnesotans. A point well worth remembering as we begin to observe the centennial of the Act that laid the basis for the great Land-Grant universities.

● UNIVERSITY RADIO STATION KUOM HAS JOINED FORCES THIS MONTH WITH INDIA'S national broadcasting service, All India Radio (A.I.R.), to present "Music of India," a new series to introduce Indian music to American listeners.

Each Wednesday, 4:15 p.m., the program presents Indian classical, folk, light, and film music. Recorded by A.I.R. in New Delhi, the music features some of India's most prominent musicians.

Listeners may be surprised to find Indian music pleasing to the Western ear. However, much of it is lively and rhythmic, and an attempt has been made to select performances which will have special appeal to Americans.

● A GIFT OF 150 BOOKS OF FINNISH FOLKLORE HAS BEEN ADDED TO THE UNIVERSITY OF Minnesota, Duluth, library. The books are from the estate of Miss Marjorie Edgar, Marine-on-the-St. Croix, who devoted years to collecting and preserving Finnish works. Given in memory of Carl Salminen, former Finnish vice-consul in Duluth, the collection includes various editions of the classic "Kalevala," historical and geographical volumes, children's books, and cultural studies.

● SECRETARY OF LABOR ARTHUR GOLDBERG TO SPEAK ON CAMPUS JAN. 9 AS THE 7TH Sidney Hillman lecturer, 8 p.m., Northrop Auditorium, public invited. The Sidney Hillman Lecture Committee especially wants students and staff to attend these lectures. No tickets required.

Other outstanding speakers due on Campus: Carl Rowan, University graduate and former Minneapolis Star and Tribune journalist, now with the U.S. State Department, speaking at the SLA Week convocation, Oct. 19; and Musa Amalemba, Kenya's first African Council Minister, Nov. 2 convocation speaker.

● FOUR DISTINGUISHED GRADUATES GET OUTSTANDING ACHIEVEMENT AWARDS OCT. 19. Occasion is the SLA alumni dinner, Coffman Union. Recipients: Sister Mary Timothea Doyle, former president and now professor of Spanish, Rosary College; Carl T. Rowan, deputy assistant secretary of state for public affairs, U.S. State Dept.; Dean Ruth E. Smalley, School of Social Work, University of Pennsylvania; and Raymond O. Mithun, president, Campbell-Mithun, Inc.

These awards are conferred only upon former students who have demonstrated outstanding achievement and leadership. Nominations are generally made by honors committees of the several colleges -- always approved by the All University Honors Committee and the Board of Regents.

● **RECIPIENTS OF REGENTS' SCHOLARSHIPS FOR FIRST AND SECOND SUMMER SESSIONS** include the following: First summer session -- Sharon W. Baker, Sr Clinic Nurse (Hosp); Lorraine L. Bissonett, Jr Librarian (Duluth Lib); Carl V. Cockrell, Sr Lab Technician (Ophth); Sonia D. Erickson, Sr Secy (Stu Loans); Lennie F. Hystad, Sr Clk-Typist (Duluth Stu Pers); Kay L. Maloney, Sr. Clk-Typist (Gen Ext); Karen A. Pahl, Secy (Soc Sci Res Center); Elaine M. Pittelko, Bkkeeping Mach Opr (Plant Serv); Elizabeth Ann Rivers, Gen Staff Nurse (Hosp); Monica L. Schmitz, Sr Clk-Typist (Psychol); Clyde M. Scroggins, Asst Technician (Art Gallery); Sally E. Stoppel, Jr Librarian (Engr Lib); Marchet M. Sullivan, Office Supv (Lib). Second summer session -- Hubert Thibodeau, Jr Engr (Pl Serv); Monica Schmitz, Sr Clk-Typist (Psychol).

Regents' Scholarships are awarded to full time Civil Service staff members. Those attending daytime classes can take time off for these. Application blanks -- available in 302 Johnston Hall -- may be submitted at any time.

● **FACULTY MEMBERS RECOGNIZED FOR THEIR OUTSTANDING ACHIEVEMENTS AND SERVICE** include:

Wesley W. Spink, Prof (Med) was certified by the American Board of Microbiology as one of nine eminent scientists qualified in public health and medical laboratory microbiology.

University of Munich awarded the honorary degree of doctor of medicine to John W. Kirklin, Prof (Surg, Mayo Fdn). Jesse L. Bollman, Prof Emer (Physiol, Mayo Fdn) received the top award of the American Gastroenterological Assn., the Julius Friedenwald Medal. Another emeritus professor in the Mayo Foundation, William H. Feldman (Path) was elected an honorary member of the Section of Comparative Medicine of the Royal Society of Medicine of England.

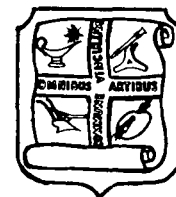
The Pioneer in Audio-Visual Education Award and a life membership in the National Education Assn. were given to Erwin C. Welke, Dir (Aud-Vis Ext).

● **FOUNDATION AND GOVERNMENT GRANTS SUPPORTING RESEARCH AND SCHOLARSHIP** HAVE been awarded to many faculty members.

Ford Foundation fellowships for the 1961-62 academic year to School of Business Administration faculty went to Robert J. Holloway, Prof; George Seltzer, Prof; Thomas J. Burns, Instr; Harvey Hendrickson, Instr; Richard N. Cardozo, Tchg Asst; Marcel K. Richter, Asst Prof; and Eugene R. Melander, Instr.

Recipient of both John Simon Guggenheim Memorial Foundation and Fulbright fellowships is Robert J. Gorlin, Prof (Dent) and Chm (Oral Path). Others receiving Fulbright fellowships are William F. Brown, Jr., Prof (Elec Engr); Robert Jenness, Prof (Ag Biochem); Edwin H. Lewis, Prof (Bus Adm); Ernst A. Abbe, Prof (Bot); Merle P. Meyer, Assoc Prof (Forestry); Perry L. Blackshear, Prof (Mech Engr). Also receiving Guggenheim awards are Thor Kommendahl, Assoc Prof (Pl Path); William E. Parham, Prof and Chief (Org Chem); G. Robert Stange, Prof (Engl).

Awarded Social Science Research Council fellowships and grants are William Anderson, Prof Emer (Pol Sci); Stanley G. Payne, Instr (Hist); Jan O. M. Broek, Prof (Geog); Burton Stein, Asst Prof (Hist). Paul L. Murphy, Assoc Prof (Hist) accepted a 1961-62 appointment from Harvard University as a research fellow of the Center for the Study of the History of Liberty in America.



THE HONORABLE RAY J. QUINLIVAN 1894 - 1961

"... devoted public servant who has been willing to sacrifice his personal interests, give of his own time and professional knowledge without stint or hesitation..."

O. Meredith Wilson
President

● THE ENTIRE UNIVERSITY MOURNS THE DEATH OF THE HONORABLE RAY J. QUINLIVAN, WHO SERVED as a member of the Board of Regents for 26 years. He had been Chairman of the Board since 1950. Regent Quinlivan, who would have been 67 on Nov. 17, died unexpectedly of a stroke on Thursday evening, Oct. 12.

Born in St. Cloud in 1894, he attended grade and high schools there and received his bachelor of arts degree from Carleton College in 1916. He was principal of the Morris, Minn., high school in 1916-1917, and later taught at St. Paul Central high school while attending the St. Paul College of Law. He was admitted to the bar in 1922 and opened his law office in St. Cloud. From 1925 to 1935 he served as a distinguished member of the Minnesota Legislature.

As chairman of the Board, Regent Quinlivan served during the post World War II period, which was the era of greatest expansion in the history of the University. He also helped to select four of its presidents -- Guy Stanton Ford, Walter Coffey, James Lewis Morrill, and O. Meredith Wilson.

Funeral services were held on Monday, Oct. 16, at St. Paul's Catholic Church in St. Cloud. Survivors include his wife, the former Elizabeth Ryan of St. Paul; his mother, Mrs. Sarah Quinlivan of St. Cloud; one daughter, Sister Mary Dennis, a member of the Benedictine Order in Duluth; and five sons, Roger and Richard, who practiced law with him in St. Cloud; Robert and John of Minneapolis, and Dennis of Duluth. The family requested memorials be made to the University's Malignant Disease Research Fund. A large number of staff members joined President Wilson in attending the funeral.

● INSTALLATION NEXT SPRING OF CENTREX DIRECT-INWARD-DIALING SYSTEM WILL SPEED TELEPHONE service on both campuses. Replacing most of the central switchboard functions, Centrex will electronically route off-campus calls directly to individual phones or departments, says Roy V. Lund, Supv Eng (Phys Plant). Callers will dial the campus prefix -- 373 for Minneapolis, 677-2 for St. Paul -- then the extension number. When the busy signal is heard, callers will know an individual phone is busy, and not the University switchboard.

● ALL UNIVERSITY STAFF MEMBERS CAN JOIN THE STATE CAPITOL CREDIT UNION BY PAYING A 25¢ membership fee and by opening a savings account for one dollar or more. The Credit Union is a non-profit savings and loan organization, owned and operated by State and University employees. The University Branch office is located near the Minneapolis Campus at 616 Washington Avenue.

A payroll deduction plan is available to members as a method for saving or making loan payments. Staff members may request deductions by filling out the authorization cards which can be obtained at the University Branch of the State Capitol Credit Union. For further information, call Federal 9-0666.

● UNIVERSITY STAFF MEMBERS -- NEW APPOINTMENTS AND ELECTIONS -- INCLUDE THE FOLLOWING:

Frank F. Pieper, Training Coord (Civil Serv) was promoted to director of Civil Service Personnel, succeeding Hedwin Anderson, who was injured in an automobile accident in April, 1960. Mr. Pieper is author of the book, *Modular Management of Human Leadership*.

Dennis G. Swan, a 1959 graduate of the University, replaces Harlan White, Asst to Dir (Alumni Relations). Mr. Swan will serve as field representative for the Alumni Association.

Six new members have been elected to the SLA Dean's Advisory Committee. They include Donald Torbert, Prof (Art); Eugene H. Falk, Prof (Romance Lang); E. Adamson Hoebel, Prof (Anthropology); David Merrell, Assoc Prof (Zool); Bernard Bowron, Prof (Engl); and Donald K. Smith, Prof, Chm, (Spch).

A native of Wiesbaden, Germany, has joined the faculty in Romance Languages. He is Karl Ludwig Selig, Assoc Prof, who received his B.A. and M.A. degrees from The Ohio State University in 1946 and 1947. He earned his Ph.D. at the University of Texas in 1954.

Carl A. Auerbach, Prof, has joined the law faculty. His A.B. degree is from Long Island University, 1935; his LL.B. from Harvard Law School, 1938. He is a former professor of law at the University of Wisconsin.

William J. Micheels, Prof and Chm (Trade and Ind Educ) has returned to his home town, Menomonie, Wis., to become president of Stout State College.

Francis M. Boddy, Prof (Econ), took over his post as associate dean of the Graduate School in late summer, replacing Kenneth E. Clark, now dean of Arts and Sciences at the University of Colorado, Boulder.

New chairman of Statistics is Leonid Hurwicz, Prof (Econ). John A. Buttrick, Assoc Prof (Econ), replaces Walter W. Heller as chairman of the Economics Department. Prof. Heller is serving as chairman of President John F. Kennedy's Council of Economic Advisers.

● RECIPIENTS OF REGENTS' SCHOLARSHIPS FOR FALL QUARTER (DAY SCHOOL) INCLUDE:

Donald E. Battles, Prin Lab Attendant (Surg); Janet P. Beck, Sr Clk-Typist (Duluth Stu Pers Serv); June B. Checklund, Lib Asst (Math-Phys Lib); Carl V. Cockrell, Sr Lab Technician (Ophth); Wayne W. Daley, Sanitarian (Health Serv); Carol L. DeViney, Lab Animal Attendant (Microbiol); Grace E. Engler, Jr Scientist (Lab Med); Merlin B. Garlid, Acnt (Bus Office); Carolyn Gottneid, Librarian (Lib); Jessie L. Hansen, Stu Technologist Supv (Hosp Lab); Mavis F. Hawkinson, Prin Med Technologist (Hosp Lab); Karin A. Jungquist, Lab Technologist (Neurol); Joyce B. Keating, Sr Lab Technician (Neurol); Ruth E. LaDue, Sr Clk-Typist (Duluth Pl Serv); Joyce H. LeFebvre, Jr. Scientist (Physiol); Maureen E. Locke, Sr. Secy (Sch Bus Adm); Joyce E. Lounberg, Jr. Scientist (Ped); Alfred R. Martin, Sr Engr Asst (Pl Serv); Catherine A. McCaffrey, Prin Secy (Stu Counseling Bur); Dale C. McLachlan, Sr Soc Wkr (Hosp).

Judith R. Monson, Secy (Mines and Metal); Philip R. Morean, Prin Acct Clk (Bursar's Office); Lenore A. Mottaz, Lab Technologist (Anat); Phyllis A. Mullen, Sr Clin Nurse (Hosp); Martha P. Murphy, Head Hosp Nurse (Hosp); Beatta H. Olsen, Sr Lab Technician (Physiol Chem); Lowell H. Onsted, Lab Technical Asst (Chem); Susan S. Palmer, Secy (Mech Engr); Luverne R. Pasenow, Prin Clk (Civil Serv); Leland M. Pearson, Office Supv (Gen Storehouse); Marilyn B. Perlmutter, Sr Stu Pers Wkr (Spch and Hearing Clin); Donna J. Peterson, Sr Clk-Typist (Duluth Admissions and Records); Carril O. Quello, Lab Technologist (Physiol); Thomas H. Quigley, Sr Program Supv (Radio and TV Broadcasting); Joyce B. Riley, Sr Clk-Typist (State Org Serv); Irmagene Sanford, Hosp Nurs Supv (Hosp); Barbara M. Siegman, Asst Head Hosp Nurse (Hosp); Mary Alice Simonds, Lab Technologist (Physiol); Hubert J. Thibodeau, Jr Engr (Pl Serv); Melba L. Whitcomb, Clk-Steno (Psychol); Patricia Wold, Sr Secy (Civ Serv).

● ATTENDANCE SETS NEW MARK WITH ALL-TIME HIGH OF 30,846 DAY STUDENTS, AN INCREASE OF 9% over last fall quarter's 28,277. This year's figure tops the attendance record set fall quarter 1947 when 28,312 students, many of them World War II veterans, crowded the campus, according to True E. Pettengill, Recorder (Admis and Rec).

27,526 students, graduates and undergraduates, are on the Minneapolis and St. Paul campuses, 2,883 at Duluth, and 437 at Morris, where a sophomore class has been added. A year ago Minneapolis and St. Paul campuses had 25,399 students, Duluth, 2,640, and Morris, 238. This year 7,532 freshmen enrolled, 2,690 students with advanced standing from other institutions, and 409 special students. 766 more freshmen are on the Minneapolis and St. Paul campuses this year than last. In 1947 undergraduate enrollment on the Minneapolis campus alone was 22,052, or 78%, compared to 20,993, or 68%, this year. That year there were only 4,010 freshmen.

This fall SLA enrolled 724 more freshmen. E. W. McDiarmid, Dean and Prof (SLA) says many freshmen English registrations had to be delayed until additional teaching staff and classrooms could be found. According to Roger B. Page, Asst Dean and Assoc Prof (SLA-Adm), first pressures were felt during orientation and registration in August. Instead of 45-minute personal interviews following group briefing sessions, 30-minute advisory conferences had to be held with new students some days despite additional counseling staff.

Dean Page points out that rescheduling rooms to allow more students to register was done in humanities and other fields. Student numbers often exceeded that preferred by the instructor. Sections were added in beginning languages, geography, political science, and mathematics. 178 more students than anticipated were placed in chemistry and 120 more in biology. No changes in admission standards or their application, especially with regard to freshmen, were made, says Dean Page. "No student who would have been admitted last year was denied admission this year," he reports.

General College (GC) had the second largest increase in freshmen with 312 more than last year. Total enrollment is 2,995, a 23% increase over last year. Horace T. Morse, Dean and Prof (Gen Coll) said the staff was increased by 16 this fall. Many half-time instructors are now on full-time schedules. 21 classes and sections were added, many on the final day of registration. Although college training is becoming increasingly important in business today, many students lack the prerequisites for college admission and turn to GC as an alternative. Some students have not maintained a high enough average, and some feel the two-year degree is sufficient.

"More high ability students are now enrolled, some of them students not accepted in other colleges. Many schools are not accepting the borderline cases," says Dean Morse. One out of five students transfers successfully from GC to a 4-year program.

Huntington Miller, Assoc Dean (Gen Ext), says evening class enrollment on the Minneapolis, St. Paul, and Duluth campuses is up about 20% with 1,500 more students. Classes completely fill Folwell, Vincent, Johnston, Ford, and Main Engineering buildings four nights a week, with many other buildings also in use. Business, foreign languages, history, and psychology classes are filled to the limit with some split sections. This year some class periods start at 5:20 p.m. instead of the usual 6:20 p.m. Dean Miller says, "Today, in uncertainties, people apparently turn to additional education as a safeguard for the future."

That education may mean security today is an idea also advanced by R. E. Summers, Dean (Admis and Rec). "World tensions and increases in draft calls may have had some influence. Balanced against the actual loss of students to military activity is the interest of men in college attendance prior to their military service or as a means of obtaining deferrment," Dean Summers says.

The 16% increase in women students (1,361 more than last year) can be accounted for in the gradual rise in the percentage of women attending colleges. Preparatory schools populations are increasing and a record output of high school graduates beginning in 1964 is expected. The rise in enrollment, while somewhat higher in some areas (including SLA) than anticipated, was expected. "The statistical principles applied have been fully borne out and the long-range planning of the University has apparently been good," asserts Dean Summers.

University of Minnesota Calendar of Events

NOVEMBER, 1961

MINNEAPOLIS SYMPHONY CONCERTS

Stanislaw Skrowaczewski, Conducting

Subscription Series

Northrop Auditorium, 8:30 p.m.

November 3 -- Lillian Kallir, pianist
November 10 -- All orchestral
November 17 -- Glenn Gould, pianist
November 24 -- Norman Carol, violinist
(Single tickets \$3.50 to \$4.75. Reservations may be made at 106 Northrop.)*

Twilight Concerts

Northrop Auditorium, 4:30 p.m.

November 5 -- Mediterranean Music
Stanislaw Skrowaczewski, conducting
(General Admission \$1.25. Sale of tickets opens at the Northrop Box Office at 3:30 p.m. on the day of the concert.)

UNIVERSITY ARTISTS COURSE CONCERTS

Masterpiece Series

Northrop Auditorium, 8:30 p.m.

November 1 -- Goldovsky Grand Opera
(Single tickets \$2, \$3, \$3.50, \$4)
November 15 -- Eileen Farrell, Soprano
(Single tickets \$1.50, \$2.50, \$3, \$3.50)

Celebrity Series

Northrop Auditorium, 8:30 p.m.

November 21 -- Stratford Festival Players
(Single tickets \$2, \$3, \$3.50, \$4. Reservations may be made at 105 Northrop.)*

SPECIAL CONCERTS

Northrop Auditorium

November 11 -- Henri Honegger, Violoncellist, 8:30 p.m.
November 12 -- Henri Honegger, Violoncellist, 3:30 p.m.

KAFFEE KONZERTS

Main Ballroom, Coffman Union, 11:30, 12:30

November 8 -- Kaffee Konzert
November 15 -- Kaffee Konzert

CONVOCATIONS

Northrop Auditorium, 11:30 a.m.
(unless specified)

November 2 -- "Kenya's March Toward Independence," a lecture by Musa Amalemba, Kenya's first African Council Minister.
November 9 -- Minneapolis Symphony Orchestra in rehearsal. Stanislaw Skrowaczewski, Conductor.

November 16 -- Religious Emphasis Day.

"The Bearing of Religion on the Political and Social Problems of Today," a lecture by Eugene McCarthy, United States Senator from Minnesota.

November 22 -- Student Assembly for Football Awards. (Main Ballroom, Coffman Memorial Union, 11:30 a.m.)

November 30 -- Lecture by Vice Admiral W. F. Raborn, United States Navy.

UNIVERSITY THEATER PRODUCTIONS

Regular Production

Scott Hall Auditorium

November 2, 3, 8 p.m.; November 4, 7 and 10 p.m.; November 7, 3:30 p.m.; November 8, 9, 10, 8 p.m.; November 11, 7 and 10 p.m.; November 12, 3:30 p.m. -- *Captain Brassbound's Conversion* by Bernard Shaw.
(Single tickets \$1.50 on sale at Scott Hall Box Office.)

Arena Theater, Shevlin Hall

November 14 - 17, 8 p.m.; November 18, 3:30 p.m. -- *They Saw the Whole Zoo* by Robert Bonnard.
(Single tickets \$1 on sale at Scott Hall Box Office.)

Scott Hall Auditorium

November 23, 24, 8 p.m.; November 25, 7 p.m. and 10 p.m.; November 28, 3:30 p.m.; November 29, 30, 8 p.m. -- *Phoemtheus Bound* by Aeschylus and *The Birds* by Aristophanes.
(Single tickets \$1.50 on sale at Scott Hall Box Office.)

MUSEUM SUNDAY PROGRAMS

Museum of Natural History Auditorium
3 p.m.

November 5 -- "Land of the Prairie Ducks" with Dr. John Tester, research ecologist.
November 12 -- "Frontenac - Mecca for Birders," Dr. George Rysgaard, Physician, Northfield, Minnesota.
November 19 -- "Spruce Bogs of the North," a color, sound film.
November 26 -- "The Mourning Dove." Color, sound film.

LECTURE SERIES IN GEOPHYSICS

Mayo Lecture Room 100, 7:30 p.m.

November 7 -- "Geophysics in Oceanography." Dr. George Shor, Scripps Institute of Oceanography.
November 16 -- "Geophysics: an International Science," Dr. Lloyd Berkner, President, Associated Universities.

November 28 -- "Recent Advances in Earthquake Seismology," Professor Jack Oliver, Lamont Geological Observatory, Columbia University.

NOVEMBER UNIVERSITY OF MINNESOTA PRESS PUBLICATIONS

Van Meteren's Virginia, 1607 - 1612 by John Parker, curator of the Bell Collection. \$5.

A Run of Jacks by Richard F. Hugo, poet. \$2.75.

The Vocational Interests of Nonprofessional Men by Kenneth E. Clark. \$3.75.

University of Minnesota Pamphlets on American Writers - No. 12. *Edith Wharton* by Louis Auchincloss. 65¢

No. 13. *Herman Melville* by Leon Howard. 65¢.

No. 14. *The American Short Story* by Danforth R. Ross. 65¢.

No. 15. *F. Scott Fitzgerald* by Charles Shain. 65¢.

SPECIAL LECTURES

November 9 -- "Synchronous Cell Division," by Otto H. Scherbaum, Associate Professor of Zoology, UCLA. 3:30 p.m., Museum of Natural History.

November 13 -- "Tolerance Is Not Enough," Dr. Jaroslav Pelikan, Divinity School, University of Chicago. 4:30 p.m., Northrop Auditorium.

UNIVERSITY GALLERY EXHIBITIONS

Through November 5 -- Recent Paintings by Paul Jenkins.

Through November 5 -- Bronze Sculpture, Drawings, Prints by Leonard Baskin.

November 7 - December 10 -- Recent Paintings by Nathan Oliviera.

November 12 - January 7 -- Rembrandt's Etchings.

ATHLETIC DEPARTMENT EVENTS

Home Football Games

Memorial Stadium, 1:30 p.m.

November 4 -- Michigan State

November 18 -- Purdue

November 25 -- Wisconsin (Dad's Day)

(Single tickets \$4. Over-the-counter sale of any unsold tickets begins the Monday before each game at 109 Cooke Hall.)*

Varsity Preview

Williams Arena

November 21 -- 7:30 p.m. Hockey

November 21 -- 8 p.m. Basketball

*Tickets for these events are available at the Field Schlick Ticket Office, St. Paul, and the Downtown Ticket Office, 188 Northwestern Bank Building, Minneapolis, on Monday of the week prior to the performance.



● **TEN-MEMBER STATE LEGISLATIVE BUILDING COMMISSION IS STUDYING STATE BUILDING NEEDS,** will plan 1963 building bill. Stanley J. Wenberg, Vice President and Administrative Assistant says, "Even though no further state building can be authorized from borrowed money unless state constitutional amendment No. 2 is passed in November, 1962, the state building commission is going forward."

Commission members are Representatives Harry Basford, Wolf Lake; Peter X. Fugina, Virginia; Eugene Knudsen, Kandiyohi; Sally Luther, Minneapolis; and John P. Skeate; Senators are Chris L. Erickson, Fairmont; William C. F. Heuer, Bertha; J. A. Josefson, Mineota; Clifford Lofvegren, Alexandria; Harold R. Popp, Hutchinson.

Laurence R. Lunden, Vice President (Bus Adm) comments, "Our experience with previous legislative building commissions has been very satisfactory. We have found them understanding and sympathetic to our needs. In the several hearings scheduled over the months to come, we are looking forward with pleasure to the opportunities of explaining our needs at all our locations." The Commission visited Itasca Forestry Station and the North Central School and Experiment Station in Grand Rapids October 20-22. Harold Macy, Dean and Prof (I Ag), William Matalamaki, Supt and Assoc Prof (North Central Sch and Sta), and Mr. Wenberg met with them there.

The Commission's schedule includes meetings at the Southern School and Experiment Station, Waseca, February 23-24; Rosemount Experiment Station and Research Center April 6-7; at Morris campus April 26-28; at Northwest School and Experiment Station in Crookston June 1-3; and at the Duluth campus, Duluth Experiment Station and Cloquet Forest Experiment Station June 29-July 1. The Commission will be on the Minneapolis and St. Paul campuses July 13-14.

● **STATE FAIR VISITORS REQUESTED 1,310 EDUCATIONAL AND INFORMATIONAL BULLETINS,** ASKED questions, too, at the exhibit in the Education Building. Interest in educational and professional programs topped the bulletin request list, followed closely by home and farm management information. Loans and scholarships were the next highest areas of interest.

Questions ranged from educational programs to farm animal disease, landscaping, cooking and baking and even speechmaking. Bulletins and special answers to queries are one more way the University, as a land-grant institution serves Minnesota, not just during the fair, but every day when the mail is delivered and the telephones ring.

● **4,972 INDIVIDUALS REGISTERED FOR 6,011 CORRESPONDENCE STUDY COURSES DURING THE** fiscal year 1960-61. Total course enrollment is almost 12,000 including 500 ninth and tenth grade high school students from Minnesota, Iowa, Wisconsin and North and South Dakota in the School Mathematics Study Program and 200 aliens preparing for citizenship. F. Lloyd Hansen, Assoc Prof and Dir (Corres Study) says registration shows an 11.8% increase over last year and a 94% increase since 1954. Completion rate of the total enrollment remained 42%. 138 instructors conducted courses last year.

● **WMIN RADIO TO AIR UNIVERSITY-PRODUCED PROGRAM ON THE LAND-GRANT TRADITION.** UNIVERSITY Relations and KUOM produced the program for WMIN's "Twin Cities' College Hour," which will be broadcast on November 26, 8-9 p.m. The show features interviews with students, administrators, faculty members, and people who use the services of the University. Robert P. Boyle, Prog Dir (KUOM) produced the show and conducted many of the interviews. Richard C. Lyon, Prog Supv (KUOM) narrates the show.

● SOCIAL SERVICE COUNCIL REPORTS \$62,129.74 RAISED BY 187 STUDENT ORGANIZATIONS IN 1960-61. 56% of the active student organizations participated in 943 philanthropic projects. The total amount raised was increased \$20,000 over last year with 120 more projects. E. G. Williamson, Dean, Prof (ODS) says, "The results are impressive. They reflect the maturity and civic-mindedness of the student body."

● THE UNIVERSITY STUDENT-SPONSORED "PANEL OF AMERICANS" PROGRAM SUBMITTED FOR THOMAS Jefferson Award of the Freedom Foundation at Valley Forge. Usually the discussion panels consist of five students: a Negro, a Jew, a Catholic, a Protestant, and a first-generation American. These were seen and heard by over 12,000 people on and off campus last year. The panels appeared by invitation on TV, before the State Legislature, before civic and school groups around the Twin Cities and throughout the state. This chapter of the national program has been active since 1958.

● AMERICAN ASSOCIATION OF PHYSICS TEACHERS (AAPT) PLANS PROGRAM TO RECOGNIZE HIGH school physics teachers. The program, administered by the American Institute of Physics, will be put into operation with a \$67,000 grant from the Carnegie Corporation of New York. Dr. J. William Buchta, Assoc Dean and Prof (SLA) is chairman of the AAPT Committee on Teacher Recognition. Competence in subject matter will be determined by written examinations given only to teachers with at least three years' experience in high school teaching.

"We believe not enough attention has been given to the teacher who strives to enhance the mastery of his subject," says Dr. Buchta. "The sponsors of this program realize that competence in subject matter does not guarantee a master teacher. But we believe there is a high correlation between mastery of the subject being taught and mastery of the art of teaching the subject." From 5-15% of the nation's high school physics teachers will receive recognition certificates. A survey among physics teachers shows they welcome a program of this type, Dr. Buchta reports.

● AUTHOR JAMES STEVENS GIVES ORIGINAL PAUL BUNYAN MANUSCRIPTS TO WALTER LIBRARY. Typescripts and handwritten drafts of stories published in 1924, as well as original letters from Mr. Stevens to literary personalities such as H. L. Mencken and Alfred Knopf, are included in this gift. The Library's Bunyan collection began with a gift of books, articles, drawings, and phonograph records in 1953 from W. W. Charters of The Ohio State University. Original drawings and facsimiles from William B. Laughead, who used the figure of Paul Bunyan in advertisements for the lumber industry as early as 1915, were added recently. Stevens, author and lumberman, elaborated on the legend using the same figures and characters drawn by Laughead.

James Kingsley, Jr., Asst Prof and Chief of Special Collections (Lib) says, "Efforts to pinpoint the beginning of the Paul Bunyan legend have proved fruitless. All that is known definitely is that Paul was the subject of yarns spun by lumbermen in early Michigan and across the upper Northwest." The collection's materials are used by American Studies students and people studying American or Minnesota legends, history, and literature. E. B. Stanford, Prof, Dir(Lib) says, "This collection is the largest in scope and original manuscripts of any now in existence." The Forest History Society, Inc., of St. Paul has helped expand the collection, according to Dr. Stanford, and was instrumental in securing the gift from Mr. Stevens.

● LEGISLATIVE RESEARCH COMMISSION ADOPTS RESOLUTION AND ITS CHAIRMAN NAMES COMMITTEE to "compare the University of Minnesota with other Big Ten universities and other major universities comparable to the University of Minnesota in the areas of academic salaries, faculty-student ratio, classroom utilization, tuition and fees and to determine as far as practicable the legislative approaches used in other states making budget allocations."

The University of Minnesota STAFF BULLETIN is published twice monthly, October through May, by the Department of University Relations, 213 Administration Building, Minneapolis 14, Minn. Subscription free copies mailed to staff members. Non-staff member subscription rate: \$1.80. Application to mail at second-class postage rates pending at Minneapolis, Minnesota.

● SAFETY ENGINEER REPORTS EMPLOYEE ACCIDENTS DOWN; 791 INJURIES AMONG 9600 EMPLOYEES were recorded during the 1960-61 fiscal year, compared to 827 injuries among 9400 employees the year before.

Gus L. Scheffler, Inst (Sch Pub Health) and Safety Engr (Health Serv) says 95% of the employee accidents on campus are reported. "Department heads are required by law to report accidents to the Department of Insurance and Retirement within 48 hours," he observes. Most employee injuries occur in the hospitals, shops, laboratories, kitchens and other specific locations within buildings. 65% of the employees injured last year were men, 35% women. An increase was recorded last year in student and employee accidents in laboratories, in non-specific building locations and in crossing campus from building to building. Few of the outdoor campus accidents involved vehicles, and most were on sidewalks, steps, and crosswalks.

88.6% of all students live off campus, yet on-campus activities produce far more accidents in the proportionately shorter amount of time students are on campus. Student injuries on and off campus rose from 4.2 per 100 students in 1959-60 to 5.3 in 1960-61. 2,608 injuries (1,259 of them on campus) were recorded among 23,704 students in 1960-61, 2,262 among 22,647 the previous year. 90% of student injuries, on or off campus, are reported, estimates Mr. Scheffler.

When an accident occurs elsewhere, even if initial treatment is given, injuries are reported because students go to the Health Service for a re-check or further treatment. Students injured in auto accidents in England, at Florida motels, and on far-off ski slopes have reported. Last year one student was treated for a lion bite. "We are fortunate that students like the Health Service. It is convenient and a check-up doesn't cost anything extra," Mr. Scheffler comments.

On-campus student injuries are frequently associated with athletics, especially intramural sports. Lack of protective equipment and officiating contributes to this, says Mr. Scheffler. He is hoping to provide more protective equipment, or require those who play to provide their own. More officials would help curb accidents by stricter attention to game rules, Scheffler feels. 27% of the non-athletic injuries occurred in laboratories, 24.7% in other building areas, while 23% were pedestrian accidents. 40.4% of the athletic injuries were received in intramural sports, 23.5% in varsity play, 22.6% in unorganized sports, and 13.5% in physical education classes.

Peak accident hours for students on campus are from 2 to 5 p.m. Peak accident hours for employees are around 10 a.m. and 2 p.m., the hours most associated with accidents in all industries, according to Mr. Scheffler. Employees had 39.2% of their accidents in service departments, 25.7% in academic departments, 24.4% in hospitals and 10.7% in out-state locations.

In case of a serious accident anywhere on campus, anyone may dial "0" for the campus operator. Describe the accident and its location. Emergency help will arrive in a few minutes. On the Minneapolis campus, minor employee injuries are treated by the Emergency Receiving Department at the Hospitals; student injuries are taken care of by the Health Service. St. Paul campus injuries, both student and employee, are treated by the Health Service there. If the Health Service is closed, Emergency Receiving on the Minneapolis campus will treat the injury. In case of fire, call the operator; tell her the location and stand by to direct the fire trucks.

Accident reports are filed by department heads. These are important in case of legal action and for insurance claims. They are also used to improve safety in specific areas. If serious hazards are suspected or observed, Mr. Scheffler should be notified at once so immediate investigation can be made. Copies of accident reports are sent to the University Police Department.

Mr. Scheffler feels improved safety standards could eliminate many employee and student accidents on campus. One recommendation now under study is for reorganization of the present All-University Committee on Industrial Safety to include student safety.

● **DIPLOMATS, STUDENTS, WOMEN'S CLUBS, VISITORS FROM ALL OVER THE UNITED STATES AND** foreign countries tour the University each year. A telephone call or letter to the University Relations office initiates a tour. Last year over 2,000 visitors toured the main campus with student guides who are upper classmen selected for personality, poise, and interest.

Potential students usually want to visit a particular school or department. Appointments with Deans and departments such as the Bureau of Student Loans and Scholarships may be requested as part of the tour. Visits to residence halls and to Coffman Memorial Union show prospective students how people live on campus.

A few weeks ago 24 physics students from Watertown, Minnesota, visited the Minneapolis campus. The group met instructors and professors; they saw some of the equipment used in scientific research and talked to some researchers about their projects. A luncheon for the visitors and some faculty members was a highlight. Participants included Nelson Spratt, Prof and Chm (Zool), Tibor Zoltai, Asst Prof (Geol), Kenneth Skjegstad, Inst (Bot), Warren Ibele, Prof (Mech Engr), Paul O'Connor, Prof, Div Chief and Assoc Chm (Chem), Perry Blacksear, Prof (Mech Engr), James H. Wernitz, Jr., Asst Prof (Mech Engr), and Edward A. Fletcher, Prof (Mech Engr). J. William Buchta, Assoc Dean and Prof (SLA) and Richard C. Jordan, Prof and Head (Mech Engr) helped arrange and plan the tour.

Tours vary in length from an hour to several days. One of the long ones last year was for a group of Japanese students which lasted for three days. One of the largest tours each year is an entire train load of North Dakotans! Usually one guide does not accompany more than 15 visitors. 12 students are currently working as guides.

● **FOUNDATION AND GOVERNMENT GRANTS CONTINUE TO SUPPORT RESEARCH AND SCHOLARSHIP BY** University staff. Following are some of the awards received since last spring.

Faculty members at UMD receiving grants are Larry C. Thompson, Asst Prof (Chem), a U.S. Public Health Service grant; Francis B. Moore, Assoc Prof (Sci and Math), a grant from the Graduate School; James C. Nichol, Assoc Prof (Chem), a U.S. Public Health Service grant through the National Institutes of Health.

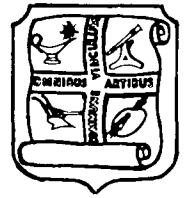
Also receiving a National Institutes of Health grant is Werner W. Boehm, Prof (Soc Work). Lura M. Morse, Assoc Prof (Home Ec) received a U.S. Public Health Service grant.

John C. Green, Asst Prof (Geol) was awarded a Penrose Bequest by the Geological Society of America.

National Science Foundation grants went to John M. Lagerwerff, Scientist (Rosemount Aero Lab); J. Campbell Craddock, Assoc Prof (Geol); Edward Thiel, Asst Prof (Geol); James J. Jenkins, Prof (Psychol); Nelson T. Spratt, Jr., Prof and Chm (Zool); Victor Lorber, Prof (Physiol); Kenneth MacCorquodale, Prof and Chm (Psychol); Paul E. Meehl, Prof (Psychol); Paul J. Kellogg, Assoc Prof (Physics); Cecil J. Watson, Prof and Head (Med); Richard Elvin, Instr (Southern Sch and Sta, Waseca).

● **REGENTS' SCHOLARSHIP RECIPIENTS FOR FALL SEMESTER, GENERAL EXTENSION DIVISION IN-**clude: Joan E. Aldrich, Stu Technologist Supv (Hosp Lab); Nancy Ann Corbin, Librarian (Law); Ruby E. Davis, Sr Lab Technician (Surg); Delores E. Dooley, Office Supv (Dent); Sharon G. Flynn, Gen Staff Nurse (Hosp); Sharon Gemmill, Asst Scientist (Surg); C. Louise Gruber, Asst Scientist (Ophth); Mary Ann Gunderson, Prin Secy (Physiol Chem); Nancy K. Henderson, Sr Clk (Stu Counseling Bur); Denise J. Lanning, Secy (Police); Kay L. Maloney, Sr Clk Typist (Gen Ext); Thor C. Olsen, Prin Clk (Transp); Engel H. Prins, Gen Mech (Pl Serv); Dale Reedstrom, Acct (Bus Office); Mildred J. Ricci, Sr Secy (Physics); Erma Sims, Nurs Sta Asst (Hosp); Marlene M. Sowada, Sr Clin Nurse (Hosp); Catherine Ann Staudt, Asst Head Nurse (Hosp); Josephine K. Steele, Prin Clk (Civil Serv); Theodore Winstead, Storehouse Stock Clk (Nicholson Hall Bkstore).

Regents' Scholarships are awarded to full time Civil Service staff members. Those attending daytime classes can take time off for these. Application blanks -- available in 302 Johnston Hall -- may be submitted at any time.



● ALL STAFF MEMBERS ARE INVITED TO THE OPEN HOUSE OF THE AMES LIBRARY OF SOUTH Asia, December 6 from 1.- 4:30 p.m. The Library, one of the most extensive collections devoted entirely to South Asia in the United States, occupies nearly the entire fourth floor of Walter Library.

Mr. and Mrs. Charles Lesley Ames, donors of the library, President and Mrs. Wilson, and faculty members and friends with special interests will join in a dedication ceremony at a dinner on December 6. A Regents Award will be presented to Mr. Ames at that time.

● AN AD HOC COMMITTEE IS BEGINNING PRELIMINARY STEPS TO IDENTIFY BEST MEANS OF support for Amendment No. 2. The state-wide committee is headed by William Stevenson, Commissioner of Administration. Stanley J. Wenberg, V Pres and Adm Asst, is the University's representative on the Committee which is going forward with plans for developing a citizen's committee to publicize the amendment and its provision for raising the state building debt limit.

The non-partisan committee will be primarily involved in organizing a systematic campaign of support for the amendment. "Faculty members can play their part by including in their addresses to all kinds of groups around the state comments about the necessity for getting this amendment passed," says Mr. Wenberg. The ad hoc committee is preparing a kit of descriptive materials for speakers which will be available in the near future. Copies of the full text of the Bill providing for the amendment are available on request. Call ext. 6820.

● MINNEAPOLIS AND ST. PAUL CAMPUSES REPORT UNITED FUND CAMPAIGN TOTALS. RAMSEY County United Fund contributions on the St. Paul campus totaled \$12,792,102.3% of the goal set, according to Reynold P. Dahl, Assoc Prof (Ag Ec), campaign chairman, and R. Paul Marvin, Asst Prof (Ag Ed), assistant chairman.

The Hennepin County United Fund drive on the Minneapolis campus reached \$53,845.17 or 94.2% of the goal. An additional \$7,942.88 was raised for the Minnesota Heart Association, and an additional \$8,796.58 for the American Cancer Society. Thus, the Consolidated Fund total on the Minneapolis campus was \$70,584.64. Minneapolis campus chairman Samuel Popper, Assoc Prof (Educ Adm) and Sterling B. Garrison, Asst to V Pres (Bus Adm), said the Heart and Cancer drive totals were much larger this year than last. This is the second year that the Consolidated Fund has been conducted on the Minneapolis campus.

Plans are now under consideration for an All-University Consolidated Fund drive for next year which might include the Minneapolis, St. Paul, Duluth and Morris campuses.

● DR. VIKTOR ZHADNOV, LEADING RUSSIAN VIROLOGIST, 16 PROFESSORS, DOCTORS, AND TECH-nicians are at the University through December 6 to explain "The Soviet Exhibition of Medi-cine and Medical Equipment," an U. S. State Department exchange project. The exhibit, on display in Coffman Memorial Union, is open from 11 a.m. to 7 p.m. Monday - Saturday and from 1 p.m. to 8 p.m. Sunday.

90 major exhibits plus examples of particular devices and practices showing equipment used in surgery and dentistry are included. The display was shown at the Chicago Rosenwald Museum of Science and Industry before coming here and will return to Russia after its appearance. Under the terms of a reciprocal agreement between the State Department and Russian officials, the Russian flag is flying at the Union while the exhibit is there. The U. S. flag is flown at the site of our exchange exhibits there.

● U BOOKS, ART WORKS SHOWN AT LAND-GRANT CENTENNIAL CONVOCATION IN KANSAS CITY, MO. last month. The theme of the meeting held November 12 - 16 was "International Activities and Responsibilities of Land-Grant Institutions."

Among 14 U. Press books displayed were Helen Clapesattle's "The Doctors Mayo" (including an Indian translation in Tamil), Jean Charnley's "An American Social Worker in Italy," Alrik Gustafson's "A History of Swedish Literature," and James Gray's "The University of Minnesota, 1851 - 1951." A Japanese translation of "The Pattern of Management" by Lyndall F. Urwick and an Arabic translation of "The Population Ahead," edited by Roy G. Francis, Prof (Sociol) were also on exhibit, along with several pamphlets on American writers and an Arabic translation of each.

Art works from the 68 Land-Grant institutions were exhibited at the Nelson Gallery - Atkins Museum November 5 - 30 in connection with the convocation. Faculty member Walter Quirt's oil "Silent Color" and an intaglio "View of a City," by Malcolm Myers, Prof (Art), were included. Myers' work won third prize. Two student works, Larry Hanson's bronze "Draped Torso" and Robert Michener's oil "Double Portrait," were shown. The best works of the exhibit will tour nationally.

● SPEECH DEPARTMENT WILL SPONSOR HIGH SCHOOL DEBATE TOURNAMENT ON THE MINNEAPOLIS campus December 15 - 16. 40 schools from Minnesota, Iowa, Wisconsin, and the Dakotas will participate. The topic is Resolved: that the Federal Government Should Provide Additional Aid for Public School Facilities. This is the question now being debated by the High School League in Minnesota. The nationwide debate subject this year is on Federal Aid to Education. Each participating school will send 2 teams of 2 students each: one team prepared to defend the question, one to oppose it.

The speech department hopes to sponsor other events with high school students. Dr. Robert Scott, Assoc Prof (Spch) feels programs like this help interest top students in the University. "This is important to us," he says, "not because [these students] will become speech majors, but because it is usually the better students who participate in these activities." Many of them, he added, will participate in speech or theater activities if they come to the University.

Donald Parson, Inst (Spch) is organizing and administering the tournament program. A luncheon in Coffman Memorial Union is planned. Students will be given awards for outstanding performance. Ralph G. Nichols, Prof and Head (Rhet) and President of the American Speech Association will speak.

● GOVERNMENT GRANTS SUPPORTING RESEARCH PROJECTS INCLUDE A RESEARCH CONTRACT FROM the U. S. Air Force of \$75,869 to finance the development of a means of measuring electrically the amount of blood pumped by the heart in a given time. William G. Kubicek, Prof (Phys Med) and Edwin Kinnen, Asst Prof (Elec Engr) are in charge of the project.

The U. S. Public Health Service awarded a grant of \$377,600 for a cardiovascular clinical research center under the direction of Dr. Robert B. Howard, Dean and Prof (Med Sci). Total U. S. Public Health Service grants of \$658,936 are supporting 17 projects in medical research at the present time.

A research grant totaling \$418,950 has been awarded by the U. S. Public Health Service over a seven-year period to enable Paul D. Boyer, Prof (Physiol Chem) to conduct long-range basic research into the means by which living cells make use of energy from foods.

● HYDRAULIC LABORATORY DIRECTOR IS IN WEST PAKISTAN TO ADVISE AND REVIEW HYDRAULIC features of the Indus River development for power, irrigation, and water supply. Dr. Lorenz G. Straub, Dir (Hydr Lab) and Prof and Head (Civil Engr) left November 9 for West Pakistan. He is interested in the \$350,000,000 Mangala Dam project. Construction of the dam, one of the largest ever planned, will begin next spring. A river control investigation in the jungle area of the Brahmsputra River in East Pakistan is also on his itinerary.

The University of Minnesota STAFF BULLETIN is published twice monthly, October through May, by the Department of University Relations, 213 Administration Building, Minneapolis 14, Minn. Subscription free copies mailed to staff members. Non-staff member subscription rate: \$1.80. Application to mail at second-class postage rates pending at Minneapolis, Minnesota.

● THE AMES LIBRARY OF SOUTH ASIA IS RESPONSIBLE FOR HEIGHTENED INTEREST IN THE SOUTH Asian Studies Program, and for the appointment of Samuel Martin Burke, Prof (Intl Rel) and Consultant (S Asia Studies), former Minister at the Embassy of Pakistan, Washington, D.C.

Mr. Burke visited the Ames Library in 1952 while it was still housed on the Inver Grove estate of its founder and donor, Charles Lesley Ames. At that time he wrote in the guest register, "When I retire from public service, I would like to work here." Mr. Burke and his wife were surprised to find such an extensive and comprehensive collection on South Asia. "It is probably the best of its kind in the New World," Mr. Burke observes.

Mr. Burke's appointment was made possible by a grant from the Hill Family Foundation. In addition to teaching, his duties include planning and organizing courses, advising students, arranging institutes and special lectures, assisting in the selection and acquisition of research materials, and aiding in community education with respect to Far Eastern and South Asian culture. "Already we have sprouted in many directions in our Asian studies. All show we are going ahead," Mr. Burke says.

Expansion of the South Asian Studies program is underway this year. Courses being taught include Indian literature in translation, anthropology, history, political science, and economics. The most outstanding new course is Hindi, taught by Mr. A. O. Prakash, Gr (Child Devel) under the direction of Mr. C. M. Naim, Indian linguist, author of the materials used in the course. Mr. Naim is currently teaching at the University of Chicago, but comes here every third week to consult with Mr. Prakash. Richard B. Mather, Chm (Slav) reports that a full-time instructor in Hindi may be added next year. Then, Indian literature in the original, as well as additional courses in linguistics, could be taught. Eight students are registered for the Hindi course this year. Five hours are spent in class, four in laboratory sessions each week. Plans are being formulated for an Indian art course to be taught next year.

The University has been invited to develop a program of American literature at Osmania University, one of the leading universities of India. A U.S. State Department project, the program will be set up under the terms of a three-year contract providing for funds in rupees to be used by visiting faculty members of the University of Minnesota who will develop courses, begin acquisition of library and research materials and work to interest the community in the study of American literature. The first visiting faculty member will work in India during the 1962-63 school year, according to E. W. McDiarmid, Dean and Prof (SLA). Another State Department program, also financed by rupees to be spent in India, is the American Institute of Indian Studies of which the University of Minnesota is a charter member. This program will be administered by an executive committee made up of representatives from the member universities. Malcolm Willey, V Pres (Acad Adm) is the University's representative. He reports that the Institute will have its headquarters at Poona, India and will use the facilities of the university of Poona until a building can be constructed to house research facilities and provide a meeting place for American scholars who wish to study in India.

Physical transfer of the Ames Library of South Asia to the Minneapolis campus was actually completed this past summer under terms of an agreement made in 1952. Under the direction of Librarian Henry Scholberg, (Lib) and Mrs. Alice McGrail, Jr. Lib (Lib), the Ames Library is now part of the Walter Library, administered by E. B. Stanford, Prof and Dir (Lib). Nearly 80,000 separate Ames items including rare maps, manuscripts, official and semi-official letters and documents occupy nearly the entire fourth floor of Walter Library.

The objective of the library, says Mr. Scholberg, is not to collect rare items, but rather to form a current body of information and literature on South Asia. Mr. Ames, whose library began in 1907 with the chance purchase of "The Tale of the Great Mutiny," an account of the 1857 Sepoy uprising in India, says he would be unable to place any type of value on the collection. "In any event," Mr. Ames says, "it couldn't be duplicated." The library concentrates on history, biography, travel, and reference works. Many languages are represented, but most of the material is in English, making it an invaluable reference source for all periods. Current periodicals are also part of the library. Mr. Ames developed his own catalogue system which has been retained, although Mr. Scholberg reports new acquisitions will be under the Dewey system.

University of Minnesota Calendar of Events

DECEMBER, 1961

MINNEAPOLIS SYMPHONY CONCERTS

Stanislaw Skrowaczewski, Conducting

Subscription Series

Northrop Auditorium, 8:30 p.m.

December 1 -- Yehudi Menuhin, violinist.
December 15 -- Theodore Lettvin, pianist.
December 29 -- Witold Malcuzyński, pianist.
(Single tickets \$3.50 to \$4.75. Reservations may be made at 106 Northrop.)*

Twilight Concerts

Northrop Auditorium, 4:30 p.m.

December 17 -- "The Nutcracker" with Bob DeHaven as narrator.
(General Admission \$1.25. Sale of tickets opens at the Northrop Box Office at 3:30 p.m. on the day of the concert.)

Special Concerts

Northrop Auditorium

December 8 -- Beethoven Symphony No. 9 with University of Minnesota Chorus directed by Donald Aird. 8:30 p.m.
(Single tickets \$3.50 to \$4.75. Reservations may be made at 106 Northrop.)*

December 23 -- "Fun with Music" with Captain Kangaroo. 2 shows: 10 a.m. and 2:30 p.m.

UNIVERSITY ARTISTS COURSE

Celebrity Series

Northrop Auditorium, 8:30 p.m.

December 6 -- Andahazy Ballet Borealis
(Single tickets \$2.00 to \$4.00. Ticket sale opens at 106 Northrop on Nov. 27.)

SPECIAL LECTURES

December 1 -- "Tests of a Recruitment Theory of Simple Behavior," by David LaBerge, Associate Professor of Psychology. 3:30 p.m., Murphy Hall Auditorium.
December 5 -- Fourth lecture in the Distinguished Lecture Series in Geophysics, "Geology of the Moon," by Professor Harold Urey, University of California, 7:30 p.m., Mayo Auditorium.

COMMENCEMENT

Northrop Auditorium, 8 p.m.

December 14 -- Address by Dr. Logan Wilson, President, American Council on Education

UNIVERSITY THEATER PRODUCTIONS

Regular Production

Scott Hall Auditorium

December 1, 8 p.m.; December 2, 7 p.m. and 10 p.m.; December 3, 3:30 p.m. -- *Prometheus Bound* by Aeschylus and *The Birds* by Aristophanes.
(Single tickets \$1.50 on sale at Scott Hall Box Office, Minneapolis campus.)

MUSEUM SUNDAY PROGRAMS

Museum of Natural History Auditorium, 3 p.m.

December 3 -- "The Bison's Influence on History," with Mr. Donald K. Lewis.
December 10 -- "A Study of Birds, Bird Migration and Viruses," with Dr. D. W. Warner.
December 17 -- "Superior's North Shore in Winter," with Mr. Donald K. Lewis.

MUSIC DEPARTMENT PROGRAMS

Northrop Auditorium, 3:30 p.m.

December 3 -- University Symphony Orchestra

Scott Hall Auditorium, 11:30 a.m.

December 5 -- Tuesday Music Hour

SIGNIFICANT UNIVERSITY BROADCASTS

KUOM, 770 on the dial

December 11 - 15 -- Beethoven Music Festival, 11:30 a.m., 2:30 p.m.; December 16, 2 p.m.
December 18 - 23 -- Christmas Music Festival, 11:30 a.m., 2:30 p.m. daily, Monday - Friday.
December 19, 4 p.m. -- Sir Frank Pettingill reads from Oscar Wilde's "The Selfish Giant," and Dylan Thomas reads his "A Child's Christmas in Wales."
December 23, 4 p.m. -- Minnesota Theater of the Air presents "The Second Shepherds' Play," a famous version of the Nativity.
January 1, 1 - 5 p.m. -- Holiday Request Program. Requests should be sent to Holiday Request Program, KUOM, Minneapolis 14, Minnesota. Requests must be in the mail no later than December 20.

UNIVERSITY GALLERY EXHIBITIONS

Through December 10 -- Recent Paintings by Nathan Oliveira.
Through January 7 -- Rembrandt's Etchings
Opening December 7 -- Alfred Henry Maurer, 1868 - 1932.

UNIVERSITY TELECASTS

Seen on Channel 2, KTCA-TV

Monday, Thursday, 9-9:30 p.m. -- "History of Western Civilization" with John B. Wolf, Professor of History.

Monday, 9:30-10 p.m. -- "World Affairs" with George Grim, the *Minneapolis Star and Tribune* columnist.

Tuesday, Friday, 9-10 p.m. -- "Introduction to the Theater" with Arthur H. Ballet, Associate Professor of Speech and Theater Arts.

Wednesday, 9-10 p.m. -- "Folio." Arnold Walker of the University television staff serves as guide for this award winning potpourri of people and ideas.

Thursday, 9:30-10 p.m. -- "Town and Country" with Ray Wolf, Associate Professor and Information Specialist, Agricultural Extension.

ATHLETIC DEPARTMENT EVENTS

Home Basketball Games

Williams Arena, 8 p.m.

December 2 -- DePaul
December 4 -- Memphis State
December 9 -- Southern Methodist
December 20 -- Arizona State
(Single tickets \$2. Over-the-counter sale of any unsold tickets begins the Monday before each game.)*

Home Hockey Games

Williams Arena, 8:15 p.m.

December 1 -- Alumni
December 15-16 -- Colorado College
December 29-30 -- Harvard
(Single tickets \$2. Over-the-counter sale of any unsold tickets begins the Monday before each game.)*

Swimming

Cooke Hall, 11 a.m. and 1:30 p.m.

December 2 -- Minnesota Time Trials
Wrestling

Williams Arena, 1 p.m.

December 2 -- Invitational meet.

UNIVERSITY OF MINNESOTA PRESS DECEMBER PUBLICATIONS

The Physician's Guide to the MMPI by Patricia K. Good and John Brantner, \$1.85
Lower Upper Cretaceous Plant Microfossils From Minnesota by Richard L. Pierce. (Minnesota Geological Survey Bulletin No. 42) \$3.75.

*Tickets for these events are available at the Field Schlick Ticket Office, St. Paul, and the Downtown Ticket Office, 188 Northwestern Bank Building, Minneapolis, on Monday of the week prior to the performance.



● **FACULTY MEMBERS WHO WISH TO PARTICIPATE IN THE FACULTY RETIREMENT PLAN UNDER THE terms of the Mills Bill (Salary or Annuity Option) effective January 1, 1962, must return authorizations which have been mailed to them to the Department of Insurance and Retirement by December 20, 1961.**

Staff members may begin participation in the plans effective March 1, 1962, (authorizations must be received by February 18) or September 16, 1962, (authorizations must be in by September 5). September 16 is the only date upon which termination or new participation will become effective each year after 1962.

Ray F. Archer, Dir (Ins and Retir) explains, "This is one way that the University can provide an additional fringe benefit for academic staff members without additional cost outside of existing administrative costs."

● **A BRIEF SUMMARY OF THE FINANCIAL OPERATIONS FOR THE YEAR ENDED JUNE 30, 1961 HAS been prepared by the Office of the Vice President, Business Administration. The following figures provide a better understanding of the finances of the University in all of its programs, each dedicated to serving the people of Minnesota.**

THE SOURCES OF UNIVERSITY INCOME

July 1, 1960 to June 30, 1961

FROM THE STATE

The Legislative Maintenance Appropriation \$25,402,626.00

For the general support of instructional, research, and administrative departments, and maintenance of buildings and grounds, including the Institute of Agriculture, the Agricultural Schools and Experiment Stations, and the Duluth Campus. This is comprised of: Interest from the Permanent University Fund, \$1,356,982.08; Swamp Land Fund Interest, \$152,048.99; 237100 Mill Tax Receipts, \$3,778.82; University's Share of Occupational Tax, \$2,136,730.61; and the General Revenue Fund, \$21,753,085.50.

The Cost of Indigent Patients at the University of Minnesota Hospitals 3,424,462.98
State Appropriations, \$1,712,310.07; Counties' Share, \$1,712,152.91.

The Special Projects Administered and Carried on by the University for the General Benefit of the People of the State 3,353,507.00

These special projects include Agricultural Extension, Beneficiation of Manganiferous Ores, General Agricultural Research, Medical Research, Live Stock Sanitary Board, Child Welfare, Psychopathic Hospital Maintenance, General Research, Minnesota Institute of Research, Agricultural Research—Rosemount, Hybrid Corn Maturity Tests, School of Agriculture Student Aid Fund, Business and Economic Research, Hospital Rehabilitation Center, Child Psychiatric Hospital, Multiple Sclerosis Clinic, Delinquency Control, Hardwood Timber Species Research, Psychiatric Research, Training of Laboratory Aides, Legume Seed Research, Special Education—Training and Research, Industrial Relations Education, and Southwest Experiment Station.

The Physical Plant Extensions..... **5,524,952.00**
 1957 Building Fund Receipts—Minneapolis Campus—Purchase of Land, \$2,417.00.
 1959 Building Fund Receipts—Minneapolis Campus—Rehabilitation of Buildings,
 \$1,286,500.00; Buildings, \$821,535.00; Permanent Improvements, \$130,000.00.
 St. Paul Campus—Rehabilitation of Buildings, \$220,000.00; Buildings, \$1,020,000.00.
 Duluth Campus—Buildings, \$1,373,000.00; Permanent Improvements, \$240,000.00.
 Crookston—Rehabilitation of Buildings, \$113,000.00. Grand Rapids—Rehabilitation
 of Buildings, \$4,000.00; Permanent Improvements, \$18,000.00. Morris—Rehabilitation
 of Buildings, \$161,000.00; Permanent Improvements, \$55,000.00. Waseca—Buildings,
 \$14,000.00. Duluth Station—Buildings, \$14,000.00. Rosemount—Buildings, \$46,
 000.00. Cloquet—Rehabilitation of Buildings, \$6,500.00.

FROM THE FEDERAL GOVERNMENT

Instruction, Research, Extension, and Plant Extensions..... **4,301,271.13**
 This income is divided: For instruction, \$202,312.38; for agricultural research,
 \$763,957.00; for agricultural extension, \$1,497,682.00; for physical plant extension,
 \$1,837,319.75.

FROM FEES AND RECEIPTS..... **17,296,674.64**

This income is divided: student tuition and fees, \$7,921,106.90; hospital receipts,
 \$4,510,518.23; dental infirmary receipts, \$232,694.00; other departmental receipts
 such as sale of bulletins, sale of livestock and agricultural products, \$4,422,874.88;
 miscellaneous, \$209,480.63.

FROM UNIVERSITY SERVICES AND REVOLVING FUNDS..... **16,187,501.59**

This includes income from such university services as dormitories, dining halls, mar-
 ried student housing, printing, laundry, University Press, Concerts and Lectures, Uni-
 versity Theater, and Health Service, and from such revolving funds as seed distribu-
 tion fund, towel funds, locker funds, and private duty nurses' funds. (Of this amount
 \$232,796.42 was used for plant expansion.)

FROM TRUST FUNDS..... **22,781,979.60**

The trust funds include gifts, grants, donations, and income from endowments and
 research contracts for instruction, research, prizes, scholarships, fellowships, and care
 of the sick. Of this amount \$766,999.94 was used for plant extensions.

FROM INTERCOLLEGIATE ATHLETICS..... **1,642,152.76**

This income is divided: Minneapolis Campus, \$1,584,222.57; Duluth Campus,
 \$57,930.19.

TOTAL RECEIPTS..... **\$99,915,127.70**

Free Unencumbered Balance, July 1, 1960..... **3,698.56**
\$99,918,826.26

THE EXPENDITURES FOR UNIVERSITY OPERATIONS

July 1, 1960 to June 30, 1961

FOR ADMINISTRATION OF THE UNIVERSITY..... **\$ 2,236,839.83**

The expenses of the offices of the President, the Vice Presidents, the Business Office,
 the Dean of Students, the Dean of Admissions and Records, Office of Civil Service Per-
 sonnel, and other general administrative offices.

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William L. Nunn, Director Elizabeth Fuller, Editor

Advisory Committee: University Public Information Council

FOR THE GENERAL UNIVERSITY..... 4,136,439.88

The expenses of the library, general bulletins and publications, lectures and convocations, the storehouses, truck service, inter-campus bus, employer's share of retirement costs, and other services of an all-university character.

FOR INSTRUCTION AND RESEARCH..... 39,596,821.46

The expenses of college instruction and research, including Duluth Campus, Agricultural Schools and Experiment Stations, the University of Minnesota Hospitals, Summer Session, Agricultural and General Extension. (General Funds, \$26,027,809.84; Federal Funds, \$2,440,560.27; Special State Funds, \$11,128,451.35.)

FOR PHYSICAL PLANT OPERATIONS..... 4,719,233.05

The expenses of maintaining and operating the buildings and other improvements—Minneapolis and St. Paul Campuses.

FOR PHYSICAL PLANT EXTENSION..... 7,071,288.38

Minneapolis Campus—Land, \$83,843.11; Housing and Food Service, \$47,815.73; Rehabilitation of Buildings, \$1,428,050.94; Buildings, \$2,350,638.17; Permanent Improvements, \$17,231.42; Planning, \$72,186.28; Equipment, \$62,347.35. St. Paul Campus—Land, \$10,000.00; Housing and Food Service, \$309,625.90; Rehabilitation of Buildings, \$144,219.74; Buildings, \$834,154.31; Permanent Improvements, \$903.98. Duluth Campus—Housing and Food Service, \$4,623.78; Buildings, \$923,952.61; Permanent Improvements, \$233,988.71. Morris Campus—Rehabilitation of Buildings, \$197,110.85; Buildings, \$1,113.67; Permanent Improvements, \$564.04. Crookston—Rehabilitation of Buildings, \$78,179.00; Buildings, \$953.34. Waseca—Buildings, \$3,856.26. Hormel Research Laboratory—Buildings, \$169,203.43. Rosemount—Rehabilitation of Buildings, \$12,662.43; Buildings, \$53,273.61. Grand Rapids—Permanent Improvements, \$6,290.52; Buildings, \$484.09. Duluth Station—Buildings, \$15,620.28. Other Off Campus—Land, \$985.48; Buildings, \$955.16; Rehabilitation of Buildings, \$1,270.21; Permanent Improvements, \$5,183.98.

FOR UNIVERSITY SERVICES AND REVOLVING FUNDS..... 14,355,435.64

This includes expenditures for such university services as dormitories, dining halls, married student housing, printing, laundry, University Press, Concerts and Lectures, University Theater, and Health Service, and for such revolving funds as seed distribution fund, towel funds, locker funds, and private duty nurses' funds.

FOR TRUST FUND PURPOSES..... 20,470,392.00

This includes expenditures for prizes, scholarships, fellowships, care of the sick, and expenditures from endowment and research contract funds for instruction and research.

FOR INTERCOLLEGIATE ATHLETICS..... 1,642,214.69

The operating expenses of intercollegiate athletics and that part of the physical education expense paid from receipts of intercollegiate athletics. Minneapolis Campus, \$1,583,856.84; Duluth Campus, \$58,357.85.

TRANSFERS AND ADJUSTMENT..... 5,687,134.62

Miscellaneous transfers between Endowment, Current, Loan and Plant Funds, \$100,130.01; outstanding obligations and allotment increase, \$5,480,055.87 (Current Funds, \$2,645,928.49 increase; Plant Funds, \$2,834,127.38 increase); increase in current reserves, \$106,948.74.

TOTAL EXPENDITURES, TRANSFERS, AND ADJUSTMENTS..... \$99,915,799.55

Free Unencumbered Balance, June 30, 1961..... 3,026.71

\$99,918,826.26

A FEW INTERESTING FACTS ABOUT THE UNIVERSITY

| STUDENTS | 1957-58 | 1958-59 | 1959-60 | 1960-61 |
|--------------------------------|----------|----------|----------|----------|
| Collegiate Enrollment* | 34,900 | 36,371 | 36,923 | 38,905 |
| Fall Quarter—Second Week | (25,825) | (26,568) | (26,538) | (28,277) |
| Noncollegiate Enrollment | 27,522 | 27,379 | 28,100 | 28,143 |
| Extension | 23,585 | 23,495 | 25,598 | 26,323 |

STAFF—ALL FUNDS

| | | | | |
|----------------------------|-------|-------|-------|-------|
| Academic Staff† | 3,543 | 3,778 | 3,879 | 3,988 |
| Civil Service Staff† | 5,038 | 5,267 | 5,521 | 5,698 |

BUILDINGS—June 30, 1961

| | Number | Value | Number | Value |
|---------------------------------|--------|------------------|--------|----------------|
| Minneapolis Campus | 104 | \$ 75,941,476.16 | 314 | \$ 252,975.74 |
| St. Paul Campus | 79 | 19,468,928.63 | 57 | 536,059.08 |
| Duluth Campus | 19 | 9,811,046.88 | 7 | 30,975.42 |
| Morris Campus | 16 | 1,977,316.49 | 20 | 88,735.33 |
| Rosemount Research Center | 6 | 461,868.50 | 98 | 284,548.13 |
| Off Campus Buildings | 4 | 731,948.04 | 11 | 45,604.57 |
| Branch Stations | | | | |
| Crookston | 14 | 1,510,629.42 | 37 | 226,839.38 |
| Duluth | 2 | 71,864.17 | 24 | 149,472.29 |
| Grand Rapids | 4 | 364,159.03 | 23 | 125,168.64 |
| Itasca | | | 53 | 115,721.32 |
| Waseca | 4 | 2,334,809.04 | 32 | 113,159.62 |
| Excelsior | | | 25 | 101,433.12 |
| Cloquet | | | 39 | 98,530.30 |
| Rosemount | 2 | 74,176.40 | 91 | 375,111.13 |
| Lamberton | | | 5 | 31,296.76 |
| Total | 254 | \$112,748,222.76 | 836 | \$2,575,630.83 |

ENDOWMENT—June 30, 1961

| | Value |
|--|-----------------|
| For General Purposes | \$46,174,354.60 |
| Unassigned Funds Operating Temporarily as an Endowment | 2,897,679.01 |
| For Student Aid—Scholarships, Prizes and Loans | 3,136,888.57 |
| For Educational Purposes | 8,347,672.60 |
| For Other Purposes | 3,039,371.73 |
| For Student Aid—Loan Funds | 211,086.65 |
| Endowment Subject to Annuity | 334,742.54 |
| Total | \$64,141,795.70 |

The University's complete "Financial Report" will be mailed upon request.

* Includes Duluth and Morris.

† Reduced to a full-time basis.

L. R. LUNDEN, Vice President

● FOUR U PRESS BOOKS WILL BE INCLUDED IN AN AMERICAN MEDICAL EXHIBIT BEING PREPARED by the U.S. Information Agency to tour the Soviet Union in 1962. Helen Clapesattle's "The Doctors Mayo," "Education for Nursing: A History of the University of Minnesota School," by James Gray, "Decision-Making in Hospital Administration and Medical Care: A Casebook," by James A. Hamilton and "Patterns of Hospital Ownership and Control" by Hamilton with R. Bruce Butters and Elbert E. Gilbertson will be part of the exhibit.

Titled "Medicine - USA," the exhibit will be on view for three weeks each (1) in Moscow, February 27-March 22, (2) in a city not yet selected April 26-May 20, and (3) in Leningrad June 11-July 3. The U. Press books will be part of a small medical library selected by medical advisors to the exhibits division of the U.S. Information Service. The library will be in a room separate from the rest of the exhibit and will be open to Soviet professional people only. The general exhibit is expected to be seen by approximately 350,000 Soviet citizens. A professional medical staff of Russian-speaking Americans from the areas of clinical practice, research, administration, public health, and education will accompany the exhibit.



● THE MINNESOTA PLAN FOR CONTINUING EDUCATION FOR WOMEN WILL BE FEATURED IN A 30-minute TV program being filmed here as part of a six-program series celebrating the Land-Grant Centennial. Each of these will feature one of the services that Land-Grant institutions can provide.

Burton Paulu, Dir (KUOM) explains that 68 Land-Grant colleges were invited to submit program plans; 25 were received and of these, six were accepted. Each of these six schools received grants to make the programs possible.

Sheldon Goldstein, Asst Dir (KUOM) is handling all production details and has written the script. Dr. E. W. Ziebarth, Dean and Prof (Summer Session) and Chm (Minn Plan), Mrs. Elizabeth Cless, Asst.Prof (Gen Ext) and Co-dir (Minn Plan), and Mrs. Virginia Senders, Co-dir (Minn Plan) are acting as advisers and will be featured on the program.

Mr. Goldstein plans to complete the film by February 1. It will be distributed to educational TV stations by National Educational TV and Radio Center. It will also be used in the state to promote the Minnesota Plan, according to Dr. Paulu. The other successful schools and their programs are: University of Georgia, "Agricultural Extension"; Michigan State University, "History of the Land-Grant Tradition"; University of California, "Scientific Research"; University of Nebraska, "Land-Grant Activities Abroad"; Colorado State University, "Current Land-Grant University Philosophy."

● THE PRESIDENT'S REPORT, 1960, THE FIRST ANNUAL SUMMARY OF THE UNIVERSITY'S WORK, has been distributed over the state. Copies are still available in Room 213, Administration Building, Minneapolis 14, Minnesota. Many staff members have requested copies for distribution to office visitors and friends. This report summarizes the last year of the administration of President James Lewis Morrill, and helps give a picture of the University and its work for the people of Minnesota. The Report of the Biennium 1958 - 60 is now being printed and will be distributed soon.

● THE OFFICE OF THE DEAN OF STUDENTS HAS RELEASED ITS 1961 - 62 RESIDENCE STUDY developed by means of IBM cards distributed with registration materials by the college offices on the Minneapolis and St. Paul campuses.

The report shows about 17% of the students are married. Last year nearly 19% were married. Almost 45% of single students live at home in the Minneapolis-St. Paul urban area, an increase of close to 3% over last year. Approximately 16% live in apartments, 12% in University residence halls, 8% own or rent their own homes, about 5% live in rooming houses, 4% in fraternity or sorority residences, 2% with relatives, 1% in University Village (Como), and about 1% in Commonwealth Terrace or Thatcher apartments. In round figures, 52% of the students now live in housing not supervised or inspected by the University. This figure includes students who live with parents or other relatives and married students.

● THE REGENTS APPROVED A BUDGET OF \$181,200 TO COVER ROSE BOWL PARTICIPATION expenses. This includes float and band costs as well as other expenditures. The entire amount will come from Rose Bowl receipts.

● MINNESOTA'S ELEVENTH ANNUAL RURAL ART SHOW WILL BE OPEN TO THE PUBLIC January 8 - 19 in the St. Paul Campus Student Center. Occupying nearly the entire second floor of the Center, the show features works in every medium: water color, oil, intaglio, graphic arts, sculpture, prints, etchings, and mosaics. Last year, the works of 228 artists were shown, and more are expected this year. The exhibit will be open Monday through Saturday 8 a.m. to 10 p.m.; on Sunday, January 14, it will be open 2 p.m. to 10 p.m. The final four days will coincide with the University's 60th annual Farm and Home Week.

● THE UNIVERSITY RANKS SIXTH IN THE NATION IN THE NUMBER OF EARNED DEGREES GRANTED since its founding. Through June, 1961, a total of 157,712 degrees have been conferred since the first graduation in 1873, when two students received degrees. This total includes only baccalaureate or higher degrees.

The number of degrees rose sharply in 1946 - 47, when there were 1,160 more graduates than the previous year. The record year was 1949 - 50, with 7,082 degrees conferred. The number of degrees declined by 700 in 1950 - 51, marking the beginning of a downward trend which lasted until 1956 - 57, when 5,152 degrees were given, 527 more than in 1955 - 56. The number continues to ascend; in June, 1961, 5,591 degrees were granted.

● UNIVERSITY STAFF MEMBERS MAY BE REPRESENTED ON THE STATE EMPLOYEES RETIREMENT Association (SERA) Board of Trustees. Clarence A. Smith, Purch Agt (Purch) has filed his candidacy for the office. Currently, the 5,500 University SERA members are not represented on the Board. There are 26,000 SERA members in the state.

Mr. Smith served on the Board from June, 1953 to February, 1960. From May, 1957 to February, 1960, he acted as vice-chairman. He is a Minneapolis resident and has been employed at the University since 1918. Trustees are elected for four-year terms. Elections are held every other year, with two trustees elected in each biennium. The Board has seven members, four elected and three ex officio.

All SERA members will receive ballots and addressed envelopes with January 10th or 15th checks. Each may vote for two of the candidates listed on the ballot. The ballots should be sent to the SERA office, postmarked not later than February 1, 1962. If the ballots are delivered by messenger, they must be in the SERA office by February 1, 1962. (For your convenience, ballots may be deposited with the Department of Insurance and Retirement, 217 Administration Building, no later than January 29, 1962.)

● THE MINNESOTA DIVISION OF THE AMERICAN CANCER SOCIETY HAS GIVEN U RESEARCHERS \$39,000. Dr. Robert A. Good, Prof (Ped) who is working on Hodgkin's disease and Dr. Sadek K. Hilal, Med Fellow (Radiol) who is studying the protective use of fractionated bone marrow each received \$10,000.

Dr. Owen Wangenstein, Prof and Chm (Surg) was granted funds for "second look" operations. Dr. William Krivit, Assoc Prof (Ped) will use part of the grant for studies on the physiological effects of vitamin analogs on acute leukemia in children. Twelve other medical staff members will also carry out projects financed by the Society's grant.

● AMONG THE DOZENS OF UNUSUAL REQUESTS RECEIVED EACH DAY WAS ONE RECENTLY FOR A University of Minnesota T-shirt, size two. As you might guess, it was intended for the first child of a loyal alumna.

The University of Minnesota STAFF BULLETIN is published twice monthly, October through May, by the Department of University Relations, 213 Administration Building, Minneapolis 14, Minn. Subscription free copies mailed to staff members. Non-staff member subscription rate: \$1.80. Application to mail at second-class postage rates pending at Minneapolis, Minnesota.

William L. Nunn, Director Elizabeth Fuller, Editor

Advisory Committee: University Public Information Council

● THE TECHNICAL CERTIFICATE PROGRAM IN AGRICULTURE ENROLLED 92 STUDENTS THIS FALL, an increase of 31 students over the fall quarter, 1960. "This program," says Keith N. McFarland, Asst Dir Res Inst (Ag Coll) "is an outgrowth of the old School of Agriculture which was discontinued in May, 1960. It is designed to provide collegiate experience on the same basis of entrance and requirements as that of students in the College of Agriculture, Forestry, and Home Economics (AFHE)."

About 120 students are expected for the winter quarter, reports Ralph Miller, Assoc Prof (AFHE), who helps students in the Technical Certificate program plan their courses. One hundred students are already registered and at least 20 more are expected to register. This number does not include 32 foreign students (25 from West Germany, five from Denmark, one from Norway, one from Switzerland) who will spend one quarter in residence as part of the Farm Training Education Program.

Unique in its wide scope and extensive operation here in Minnesota, the Farm Training Program, according to Mr. Miller, enables foreign students to work nine months on one or more farms, living with farm families and following the complete operation of the farm from April 1st to the end of December. During the winter quarter the foreign students are on the St. Paul campus studying under the Technical Certificate program as Adult Specials. The students have a 12-month visa which may be extended to allow them to travel to another part of the county to see how farming operates there. Many of the students go to the West coast where they see fruit and vegetable farming on a large scale. The average age of these students is 23 or 24 -- slightly older than most students in the Certificate program. "Residence hall living and the exchange of ideas in and out of the classroom are valuable to both groups," says Mr. Miller.

The increased enrollment of young Minnesotans in the winter quarter is an expected part of the Technical Certificate program, because this is the season of lightest farm work. The Certificate program's 60-credit curriculum may be completed in consecutive quarters or by attending as little as on quarter per year. Of the 15 students registered last spring, eight completed the course and received Certificates in June. Of these eight, five have returned and are registered in four-year programs.

Students in the Technical Certificate program study the mathematics and basic sciences required of four-year students in their freshman year. Transfer to a four-year program is easy and requires no repetition of similar courses or loss of time. Students from the old School of Agriculture who attempted to transfer to four-year programs often found course work similar, but not transferable. The AFHE Curriculum Committee, developers of the Certificate program, feels about half of the students who begin with the 60 - credit curriculum in mind will transfer to four-year studies.

The Certificate program represents a compromise between those who wanted the School of Agriculture continued on the St. Paul campus as a sub-collegiate plan offering vocational training, and those who wanted to build a 90-credit course which would result in an associate degree similar to those granted by General College and SLA. The 60 - credit, basic requirements course with its emphasis on professional work is the result.

Students in the program participate in all areas of academic and social life. The course work, Mr. McFarland and Mr. Miller both agree, is very complete and quite advanced. "Only one out of four farm youngsters has a chance to stay on his home farm. He may come here and decide to take a four - year course in order to go into professional agriculture work," Mr. McFarland says. The Minnesota Bankers' Association has provided 19 scholarships of \$400 each for students who will enroll in the Certificate course. Association members in 60 counties are participating in the program. "These youngsters go back into the rural areas. They help promote the growth of local economy, a value recognized by the Bankers' Association," observes Mr. McFarland.

While the Schools of Agriculture are still maintained around the state, this Certificate program is the only curriculum of less than 90 credits which graduates students with professional and academic standing. Other Land-Grant colleges have two-year programs or vocational training programs similar to the School of Agriculture system, but none has a comparable 60-credit course.

University of Minnesota Calendar of Events

JANUARY, 1962

MINNEAPOLIS SYMPHONY CONCERTS

Subscription Series

Northrop Auditorium, 8:30 p.m.

January 5 -- Istvan Kertesz, guest conductor.

January 19 -- Eugen Jochum, guest conductor.

January 26 -- Isaac Stern, violinist; James Dixon, guest conductor. (Single tickets \$3.50 to \$4.75. Reservations may be made at 106 Northrop.)*

Twilight Concerts

Northrop Auditorium, 4:30 p.m.

January 7 -- Musical Favorites; Norman Carol, violinist.

January 14 -- Program U.S.A.; Richard Zgodava, pianist.

January 21 -- All Tchaikovsky; Eva Knardahl, pianist.

January 28 -- Music of Leonard Bernstein. (General Admission \$1.25. Sale of tickets opens at the Northrop Box Office at 3:30 p.m. on the day of the concert.)

UNIVERSITY ARTISTS COURSE CONCERTS

Masterpiece Series

Northrop Auditorium, 8:30 p.m.

January 17 -- Byron Janis, pianist. (Single tickets \$1.50, \$2.50, \$3.00, \$3.50)

Celebrity Series

Northrop Auditorium, 8:30 p.m.

January 31 -- Jose Greco, Spanish ballet. (Single tickets \$1.50, \$2.50, \$3.00, \$3.50. Reservations may be made at 105 Northrop.)*

SPECIAL CONCERTS

Northrop Auditorium, 8:30 p.m.

January 13 -- The Brothers Four (Greek Week Benefit. Single tickets \$1.50, \$2.50, \$3.00, \$3.50. Reservations may be made at 105 Northrop.)*

KAFFEE KONZERTS

Main Ballroom, Cojman Union
11:30 a.m., 12:30 p.m.

January 10 -- Kaffee Konzert
January 17 -- Kaffee Konzert

CONVOCATIONS

Northrop Auditorium, 11:30 a.m.

January 4 -- "Czechoslovakia, Torn Between Two Worlds!" Film lecture by Don Shaw.

January 11 -- "Miracle in Poland," film lecture by Julien Bryan.

January 18 -- Travel in Ghana, Italy, Spain, and the Soviet Union presented by the Minnesota SPAN Association.

January 25 -- Lecture by John Beaufort, New York drama critic of The Christian Science Monitor.

SPECIAL LECTURES

Murphy Hall Auditorium, 3:30 p.m.

January 4 -- "Training Young Children in Conceptualizing Forms: The Shaping of the Investigator's Behavior," by Prof. Sidney Bijou, University of Washington.

LECTURE SERIES IN GEOPHYSICS

Murphy Hall Auditorium, 7:30 p.m.

January 9 -- "The Deep Interior of the Earth," by Prof. Robert Offen, University of Western Ontario.

January 24 -- "The Mechanism of Earthquakes," by Dr. John Hodgson, Dominion Observatory, Ottawa.

UNIVERSITY THEATER PRODUCTIONS

Regular Production

Scott Hall Auditorium

January 25, 26, 31, February 1, 2, 8 p.m.;
January 27, February 3, 7 and 10 p.m.;
January 30, February 4, 9 p.m. -- The School for Wives by Moliere. (Single tickets \$1.50 on sale at Scott Hall Box Office.)

MUSEUM SUNDAY PROGRAMS

Museum of Natural History Auditorium
3 p.m.

January 7 -- "The Oceans and Our Weather," color and sound film.

January 14 -- "Alpine and Arctic Wildlife," Dr. W. J. Breckenridge, Museum director.

January 21 -- Indian Burial Mounds in Minnesota," Dr. Elden Johnson, Assistant Professor of Anthropology.

January 28 -- "Thread of Life," color and sound film on genetics.

UNIVERSITY GALLERY EXHIBITIONS

January 9 - 29 -- Roger Crowell; M.F.A. Thesis Exhibition. (Seminar Gallery) Through January 15 -- Rembrandt's Etchings.

January 29 - March 11 -- Faculty Exhibitions: Department of Art.

January 29 - March 11 -- The John Rood Sculpture Collection.

ATHLETIC DEPARTMENT EVENTS

Home Basketball Games

Williams Arena, 8 p.m.

January 6 -- Purdue

January 8 -- Indiana

January 20 -- Ohio State

(Single game reserved tickets \$2.00.

Mail order sales close one week prior to each game. General admission tickets at \$1.25 for adults and \$1.00 for individuals under 16 on sale at gate only.)*

Home Hockey Games

Williams Arena, 8 p.m.

January 12 -- Michigan Tech

January 13 -- Michigan Tech

January 19 -- University of Minnesota, Duluth

January 26 -- Michigan State

January 27 -- Michigan State

(Single game reserved tickets \$1.75. General admission tickets \$1.00 for adults and 75¢ for individuals under 16 on sale at gate only.)*

(Over-the-counter ticket sales for both hockey and basketball games begin the Monday before each game at 108 Cooke Hall.)*

Gymnastics

Cooke Hall

January 6 -- Iowa (2 p.m.)

January 22 -- Wisconsin (4 p.m.)

Wrestling

Cooke Hall

(Unless otherwise specified)

January 12 -- South Dakota State College (7:30 p.m.)

January 13 -- Kansas State University (7:30 p.m.)

January 22 -- State College of Iowa (7:30 p.m.)

January 31 -- Oklahoma State (8 p.m.) at Fridley High School

Swimming

Cooke Hall, 2 p.m.

January 6 -- Gustavus Adolphus
January 27 -- Southern Illinois

Track

Field House, 1:30 p.m.

January 20 -- Intra-Squad

January 27 -- Iowa State University

(Tickets for gymnastics, swimming, track, and wrestling at 75¢ for adults and 25¢ for individuals under 16 on sale at gate only.)

*Tickets for these events are available at the Field Schlick Ticket Office, St. Paul, and the Downtown Ticket Office, 188 Northwestern Bank Building, Minneapolis, on Monday of the week prior to the performance.



● FARM AND HOME WEEK, JANUARY 16-19, IS EXPECTED TO DRAW 2,500-3,000 PARTICIPANTS to the St. Paul campus, according to Robert R. Pinches, Assoc Prof and Asst State 4-H Club Ldr (Ag Ext).

"This is the one event on the St. Paul campus which gives Minnesotans a chance to meet researchers and hear how the latest developments can be applied at home, on the farm, and in industry," Mr. Pinches says. Most of the people who come to Farm and Home Week activities will stay one day. Sixty years ago when the first annual Week was scheduled, people usually attended the entire Week's sessions, staying on or near campus. Last year, 1,450 people registered, but approximately 2,500 individuals attended at least one session.

Nearly every St. Paul campus department cooperates in the program. Topics of current interest are chosen by the various divisions: the Short Course office assists in coordinating, scheduling, and promoting the activities. This year's emphasis is on special interests. "Hard-core discussions with key people in particular areas is our aim," explains Mr. Pinches.

Farm and Home Week has traditionally been a way to continue the relationships between Minnesotans in forestry, in farm and non-farm industry and staff members on the St. Paul campus, Mr. Pinches observes. "This is one way that those who cannot take short courses can learn more about the University and its Agricultural Extension Services and its research projects, and the positive improvements which result from them," he says. It is also a means of interesting individuals in taking specific courses.

The Rural Art Show, which is on the second floor of the Student Center, other exhibits in Coffey and Green Halls, contests, and convocations are all highlights of the Week. Wednesday, January 17, the noon hour assembly will feature a dramatic sketch on the signing of the Land-Grant Bill. Stanley J. Wenberg, V Pres and Adm Asst, will speak: "A 1962 Version of the Land-Grant Philosophy." Meetings of the Minnesota Swine Producers' Association and the Minneapolis Hobby Beekeepers' Association will be held on Thursday, January 18. Friday, January 19, the Minnesota Sheep Breeders' Association will have its annual meeting.

● UNIVERSITY OF MINNESOTA WEEK IS FEBRUARY 11-17. PLANS ARE UNDERWAY FOR FACULTY members to speak at local and out-state functions during the Week. Exhibits have been requested by banks and other business firms. Each of these will show some phase of University activity or service.

Sponsored by the Junior Chamber of Commerce and the University Alumni Association as a public service project, the Week emphasizes the diversity of the University, its benefits to the state and its citizens, and this year particularly, its traditions as a Land-Grant institution. A joint committee of University staff members and Jaycees is securing display space and arranging speakers' schedules.

An article on University of Minnesota Week and the Land-Grant Centennial will appear in the February issue of Greater Minneapolis, a Jaycee publication. The Charter Day Convocation, long a featured event of University of Minnesota Week, will be held late in March and will be identified with the Centennial of the Land-Grant Act. President emeritus James Lewis Morrill will be the speaker.

● THE 23RD ANNUAL MINING SYMPOSIUM WILL BE HELD JANUARY 16-17 IN DULUTH UNDER THE co-sponsorship of the School of Mines and Metallurgy and the Center for Continuation Study. This year's subject is "New Developments in Ore, Beneficiation and Smelting."

The largest one in the world, this Mining Symposium, began in 1940 under the direction of Julius M. Nolte, then Continuation Center Director, now Dean and Prof (Gen Ext). Only 40 people attended. It is now so large that the Norshor Theater in Duluth has to be rented for an assembly place. In 1960, 743 people registered; in 1961, 674. Residents of nearly every state, Canada, South America, Europe and Africa have come to the Symposium. Approximately 650-700 people are expected this year.

Those who attend come from every mining area and from every mining-related industry, reports Frederick E. Berger, Dir (Cont Cent). "Mine owners, operators, plant superintendents, engineers, and others who wish to keep abreast of new developments come," Mr. Berger says. "There are significant numbers of dealers and sales representatives," he observes.

The annual meeting of the Minnesota Section of the American Institute of Mining, Metallurgical and Petroleum Engineers (AIME) will be held in Duluth on January 15 as a related program. Many of the visitors will participate in both. A joint planning committee of the AIME and the Symposium sponsors decides on the program, according to Mr. Berger. This year's AIME topic, "Advances in Beneficiation and Smelting of Iron Ores", is correlated to the Symposium subject. President O. Meredith Wilson will give the banquet address of the AIME meeting.

● THE ADMINISTRATIVE COMMITTEE OF THE SENATE HAS SUGGESTED THAT STAFF MEMBERS traveling by air should use tourist or economy class whenever possible. Some departments are already following this practice to save limited travel funds. Laurence R. Lunden, V Pres (Bus Adm) has been asked by President Wilson to look into the feasibility of establishing a central agency to arrange air travel economically and to the best advantage of staff members. The agency would determine the availability of a particular class of travel without restricting staff members to undesirable time schedules.

● THE CAMPUS CHAPTER OF THE AMERICAN ASSOCIATION OF UNIVERSITY PROFESSORS (AAUP) will hold an open meeting late this month for all faculty members interested in the Mills Bill and in other retirement plans. This meeting is part of the chapter's plan to focus faculty attention on current problems. Ray Archer, Dir (Ins and Retir), will speak.

David K. Berninghausen, Dir (Lib Sch) and local president, reports that the September issue of Inform, containing articles on University reorganization, was sent to all faculty members to stimulate discussion and exchange ideas. George W. England, Assoc Prof and Acting Asst Dir (IRC), chapter secretary-treasurer, says, "Keeping the faculty aware of reorganization issues is the most important activity this year."

Chapter vice president John G. Turnbull, Prof (Econ), observes, "The most basically useful function the AAUP serves, particularly this year, is that of an informational forum for items of critical interest." One of these, he feels, is the nature and structure of faculty welfare, with particular emphasis on retirement benefits and accident-sickness coverage.

Along with twelve other Minnesota AAUP chapters, the University group has taken a strong stand on academic freedom. In a letter addressed to the editor of the Minneapolis Tribune, published Sunday, December 3, 1961, the need for freedom of information was stressed, and the work done by the Tribune to preserve our constitutionally-protected liberties was cited. The University chapter has 600 members; it is the second largest in the country.

● A UNIQUE FAMILY LAW PROGRAM IS GIVING STUDENTS AN OPPORTUNITY TO WORK IN ACTUAL practice relationships with Hennepin County social and welfare agencies and in the courts. Financed by the National Council on Legal Clinics (NCLC), the program is part of a plan to educate law students for professional responsibility.

Robert J. Levy, Assoc Prof (Law), developed the course and acts as adviser to those enrolled in it. It is the first of its kind in the country. A similar one, also financed by the NCLC and based on the materials, methods, and experiences here, will begin next year at the Louisville College of Law. Mr. Levy explains that law students need to see family law problems in action; they should understand the lawyer's responsibility in such cases and the ways in which related professions come into play. "The basic idea of the course is to give students an opportunity to observe the roles of skilled workers in family cases," he says. Judges, court workers, and lawyers have felt the need for this sort of training. The mutual understanding and sympathy between counselors, case workers, psychologists and psychiatrists, and the lawyer are invaluable and should be developed as part of law education.

There are two phases of the program: two semesters of clinical field work for senior law students (seven this year), and a one-semester seminar for graduate students in social work, psychology, and education. Law students do about 300 hours of field work. Non-law students learn about their expected functions in cases where professional cooperation is desirable. They do this with written materials, discussion with the law students, and the use of taped interviews between law students and clients.

The primary areas of family law which are studied are: (1) dependent and neglected children, (2) termination of parental authority, (3) adoption, (4) illegitimacy, (5) divorce and custody, and (6) marriage counseling and divorce. Each student reads case files, participates in interviews with clients, and works under the direction of the Hennepin County Legal Aid Society. Students are assigned field work with court and welfare agency representatives. Many of the students are named guardians during litigation and thus speak for children whose welfare is at stake.

At the end of each project, the student writes a report in which he analyzes his experiences and makes suggestions for more effective cooperation between the lawyer and other workers. This report is submitted to the adviser, to workers he has assisted, and to any judges or other court personnel involved in the case. This conscientious evaluation is one additional way to impress the student with his obligations, and to spur more effective cooperation on the part of other disciplines, Mr. Levy points out.

Interviewing techniques are practiced in a room equipped for one-way observation. In this way, and with the consent of the interviewee, methods can be observed by the adviser, by other students, and by a psychiatrist. Such a complete study of interviewing and its objectives has not been possible in the past.

Mr. Levy believes a first-hand knowledge of community resources assists a lawyer to serve his clients. "Many lawyers don't want to involve themselves with family agencies," he observes, "therefore, this cooperative approach in the student lawyer's earliest courtroom experience should help overcome this hesitancy." He adds that "Law students should learn how to correlate the objectives of welfare agencies and specialized courts with the relationship of the lawyer to his clients. In addition, social workers and other family area people are more sympathetic to the tasks of lawyers through this exchange."

Critical evaluation of the use of behavioral science techniques in the solution of legal problems and of the professional obligations which must be met in representing clients gives added incentive for lawyers to work toward law reform in cases involving family relations, it is believed. Improvement of administration of law, helping to insure adequate legal services for indigent persons, and guarding the principle of due process of law are also stressed in the Family Law program.

● CROP BARTER PLAN AT MORRIS PROVIDES LOANS AND SCHOLARSHIP FUNDS FOR STUDENTS. Known as the ABC plan, Agricultural Barter for College is sponsored by the Farmers Union of West Central Minnesota. Donald Frederickson, Murdock, Minnesota, heads the program.

Farmers donate produce such as grain, eggs, poultry, and meat animals which are sold for student assistance. Donors give only to the general fund and not to individual students. Loans and scholarships are handled through regular University processes. Produce consignments have been received from many farm families with no University connections, as well as from those with children or relatives studying on the Morris campus.

Twenty percent of the total fund is used for grants-in-aid and scholarships which are not repaid. Eighty percent is used for student loans which require complete or partial payment. Students who complete two years or more at Morris are given a 20% reduction in the amount to be repaid. Three percent interest is charged. Students who do not complete two years at Morris, receive no reduction and are charged five percent interest.

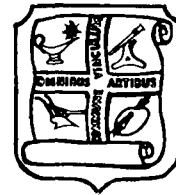
Charles Hanna, Asst Dir (Stu Serv), is in charge of the ABC fund for the University at Morris. He reports that eight students received loans for the winter quarter and that two students have ABC scholarships.

● A NON-PARTISAN, STATE-WIDE CITIZENS' COMMITTEE IS BEING FORMED TO DEVELOP public support for Amendment No. 2, the proposal to remove the state constitutional debt limit (now \$250,000). Governor Andersen has asked Dr. Charles W. Mayo and Mrs. Charles Hymes to act as co-chairmen. A University committee "to determine and develop the University's role in the effort" is being organized, Stanley J. Wenberg, V Pres and Adm Asst, reports.

Organizations which have declared support for the Amendment include the State Coordinating Committee on Education, composed of representatives from Minnesota's seven major groups interested in education, and the Minneapolis Tribune, which endorsed the Amendment in an editorial Wednesday, January 3, 1962.

● ENROLLMENT STUDIES ON THE DULUTH CAMPUS SHOW 90% OF THE 2,883 UNDERGRADUATES are from the surrounding nine-county area. Robert J. Falk, Assoc Dir (Stu Pers) says the city of Duluth provides nearly 60% of the students. The number from Minneapolis is 49 this year compared to 26 in 1960-61. Sixteen other states send a total of 52 students to the Duluth campus. There are 29 foreign students including 18 from Fort William, Canada; the remaining 11 students represent Africa, Germany, Jordan, and Sweden.

● RECIPIENTS OF REGENTS' SCHOLARSHIPS FOR WINTER QUARTER DAY SCHOOL INCLUDE THE following: Kathleen M. Agar, Lab Tech (Path); Gerald A. Baumann, Lab Animal Attendant (Surg); George E. Beckwith, Comms Tech (Aud-Vis Educ); Myrna Ann Carlson, Head Nurse (Hosp); June B. Checklund, Lib Asst (Lib); Carl V. Cockrell, Sr Lab Tech (Opth); Jorge Cordero, Del Serv Driv (Creamery); Wayne W. Daley, Sanitarian (Health Serv); Diane DuCharme, Sec (SAB); Grace E. Engler, Jr Scientist (Lab Med); Merlin B. Garlid, Sr Acct (Bus Off); Marlin R. Gehring, Exp Plot Supv (Agron); Judith Gilbert, Gen Staff Nurse (Hosp); Carolyn Gottneid, Lib (Lib); Beryl Greenberg, Jr Scientist (Med); Jessie L. Hansen, Stu Tech Supv (Hosp Chem Lab); Lennie F. Hystad, Sr Clerk-Typist (Hosp Lab Serv); Carole M. Johnson, Sr Sec (Art); Joyce A. Keating, Sr Lab Tech (Psych-Neurology); Patricia Kline, Head Nurse (Hosp); Ruth Ann LaDue, Sr Clerk-Typist (Plant Serv-Duluth); Gordine A. Lindstrom, Sr Clerk-Typist (Stu Couns Bur); Maureen E. Locke, Sr Sec (Sch Bus Adm); Robert Lovell, Lab Tech (Ag Biochem); Catherine McCaffrey, Prin Sec (Stu Couns); Billie Moran, Lab Tech (Vet Bact); Marilyn Perlmutter, Sr Stu Pers (Dean of Stu); Donna J. Peterson, Sr Clerk-Typist (Adm and Rec-Duluth); Janice B. Rising, Gen Staff Nurse (Hosp); Mary Alice Simonds, Lab Tech (Physiol); Dawn M. Sturtevant, Sr Lab Tech (Surg); Barbara A. Tarjan, Sr Clerk-Typist (Ins and Retir); Hubert Thibodeau, Jr Eng (Plant Serv); Dawn Wilson, Sr Acct (Bus Off-Duluth); Melba Whitcomb, Clerk-Steno (Psych).



● **PRESIDENT O. MEREDITH WILSON PARTICIPATED RECENTLY IN A MEETING HELD AT THE White House to discuss the U.S. Office of Education's announcement that a non-discrimination clause will be part of contracts for counseling and guidance institutes. Other questions relevant to instruction in higher education were included in the discussions.**

Announcing proposed contract terms prior to approval gives schools an opportunity to withdraw from consideration if they are unable or unwilling to comply, it was stressed. The terms will outlaw discrimination due to race in the selection of those who attend and those who teach institutes. A similar statement is in contracts for foreign language institutes under the jurisdiction of the Department of Health, Education and Welfare. It is expected that the National Science Foundation (NSF), the other large governmental supporter of such programs, will have a similar statement of contract policy.

Other matters discussed included the use of study committees to determine ways the Federal government could aid education by financing curricular revisions, establishing institutes and fellowships in more areas, and gathering and distributing information on the programs of various schools and institutions. The U.S. Office of Education, the group decided, could then develop plans based on the recommendations of these study sections.

Also present at the meeting were Dr. Jerome Weisner and Dr. Jerrold R. Zacharias of the Science Advisory Committee, Dr. Alan T. Waterman, director of the NSF, President Logan Wilson of the American Council on Education, Dr. Ralph C. M. Flint of the U.S. Office of Education, and Dr. Frances Friedman of the Massachusetts Institute of Technology.

● **OVER 600 MINNESOTA AREA NEWSMEN AND CIVIC LEADERS HAVE BEEN INVITED TO PARTICIPATE in the U.S. State Department foreign policy briefing conference sponsored by the University and the Minnesota World Affairs Center February 2-3. William C. Rogers, Prof (Pol Sci) and Dir (State Org Serv) and World Affairs Center director is general chairman of the conference, the first of its kind held outside of Washington, D.C.**

Editors and publishers, radio and television broadcasters, and leaders from Minnesota, Wisconsin, North and South Dakota will attend. Six government representatives, headed by Chester Bowles, special representative and presidential adviser on African, Asian, and Latin American affairs will speak. President O. Meredith Wilson will open the conference with a welcome to the newsmen. Carl T. Rowan, deputy assistant secretary of state for public affairs; Paul H. Nitze, assistant secretary of defense for international security affairs; Edwin M. Martin, assistant secretary of state for economic affairs; Donald W. Wilson, deputy director of the U.S. Information Agency; and J. Wayne Fredericks, deputy assistant secretary of state for African affairs, are on the program.

● **FACULTY MEMBERS HAVE ANOTHER OPPORTUNITY TO PARTICIPATE IN THE MILLS BILL (SALARY or Annuity Option) effective March 1, 1962. Authorizations must be returned to the Department of Insurance and Retirement by February 18, 1962.**

● **WINTER QUARTER ENROLLMENT ON ALL CAMPUSES TOTALS 28,839, AN INCREASE OF 9% OR 2,381 students over the 26,458 recorded a year ago. True E. Pettengill, Recorder (Admis and Rec) reports the Minneapolis and St. Paul campuses have 2,031, Duluth 171, and Morris 197 more students than a year ago.**

● NEARLY HALF THE FACULTY HAS A FAVORABLE ATTITUDE TOWARD THE USE OF CLOSED CIRCUIT Television (CCTV) in the classroom, according to a study completed by the Bureau of Institutional Research.

The study was initiated by former President J. L. Morrill because of faculty requests for funds and facilities to experiment with TV in the classroom. A subcommittee of the Senate Radio and Television Policy Committee cooperated with the Bureau during the conclusion of the study. Members of the committee are: Chairman Roy G. Francis, Prof (Sociol); Allan A. Blatherwick, Assoc Prof (Aero Engr); James R. Jensen, Prof (Dent) and Chm (Operative Dent); Sheldon A. Goldstein, Asst Dir (KUOM); Edward Cross, Prof (Sociol); and John E. Stecklein, Prof and Dir (Inst Res).

Nearly two-thirds of the faculty members who responded feel TV is an effective medium for transmitting ideas. Four-fifths of the group believe such use would increase greatly the visibility of demonstrations and experiments. About 14% indicate "they would like very much to try CCTV in the classroom," nearly one-fourth say they "would probably like to try it," while almost 30% would not like to try it. One-fourth are indifferent or undecided.

Among the conclusions of the study is: "A central agency should be established to coordinate the use of present CCTV facilities, to work with colleges and departments in determining new uses of CCTV, and to assist in obtaining funds to support such activities." Copies of the findings are available through the Bureau.

● AN UNUSUAL SERIES OF COFFEE HOURS IS BRINGING FACULTY MEMBERS AND STUDENTS TOGETHER this year. Sponsored by the Union Board of Governors, the hours are designed particularly to offset the impersonal feeling of large classes. Student leaders and instructors plan the hours. They are informal and are arranged to fit into the professor's schedule.

Ted K. Smythe, Adm Fellow (Stu Union) says, "We think faculty members want and need to reach students personally, especially freshmen and sophomores. We try to provide an atmosphere comfortable to both, and one where they won't talk just about the subject matter." Mr. Smythe and Shirley Clark, Prog Cons (Stu Union) report that "instructors who participated last quarter enjoyed the meetings a great deal and plan to do it again."

● SINCE ITS BEGINNING, ARCHIVES HAS ATTEMPTED TO COLLECT, CATALOGUE, AND KEEP current files of staff publications. Each publication or reprint is filed according to department of origin, and kept as long as there is a demand for it. Some of the materials are preserved permanently for historical record.

One of the particular problems, according to Archives staff members, is obtaining copies of government project reports. Archives tries to act as a clearing house for these. Departments may refer calls for printed materials to Archives where limited information such as the possible date, author, or subject may be sufficient to find the article. Staff members are urged to keep the Archives staff supplied with copies of their publications for reference files.

● RECIPIENTS OF REGENTS' SCHOLARSHIPS, EXTENSION DIVISION, FOR THE WINTER QUARTER are: Betty Jane Dworschak, Lab Tech (Lab Med); Donald F. Metzger, Sr Lab Mach (Mines and Metal); Edward R. Nye, Prin Lab Att (Physics); Dorothy McAllister, Sr Clerk-Typ (Stu Cent-Duluth).

The University of Minnesota STAFF BULLETIN is published twice monthly, October through May, by the Department of University Relations, 213 Administration Building, Minneapolis 14, Minn. Subscription free copies mailed to staff members. Non-staff member subscription rate: \$1.80. Application to mail at second-class postage rates pending at Minneapolis, Minnesota.

William L. Nunn, Director Elizabeth Fuller, Editor

Advisory Committee: University Public Information Council

● A FELLOWSHIP PROGRAM IN PERSONALITY RESEARCH HAS BEEN ESTABLISHED USING THE facilities of the Department of Psychology, and of other University areas as well. Under the direction of Norman Garmezy, Prof (Psychol), the program is known as the Center for Personality Research and leads to a Ph.D. in Psychology.

Initiated last year with five candidates, the three-year program emphasizes a continuous apprenticeship relation between fellows and senior staff members. "A student takes a responsible part in significant research from his first weeks in the program," Dr. Garmezy reports. Students work with faculty members in close association; they take only two required courses: a weekly seminar in Personality Research and a course in Systematic Psychology.

All staff members and students participate in the seminar. The leadership of these meetings alternates between faculty and fellows. The purpose is self-evaluation by the individual in his own study, as well as the "second look" provided by constructive and insightful criticism. The seminar also keeps students in touch with all concurrent research being done by Center faculty and students.

Minor work is planned to support each student's major research program. Other complementary courses in his major field are also suggested. Courses in clinical psychology, clinical practice, genetics, mathematics, biostatistics, child development and neurophysiology are among those open to Center fellows.

Summer study at other schools and research centers is part of the program. Students see and work with others in their own areas of interest, yet learn the research thinking and methodology of other institutions. Stipends from the National Institute of Mental Health (NIMH) are available to students for this purpose.

Dr. Garmezy feels the Center's smallness, its sense of intense research concentration, its coordination of research and clinical study, and its close faculty-student relationships in teaching and training provide a unique opportunity for a student. "Everything is programmed to create as individualized a focus as the student needs to achieve sophistication in his particular research phase."

"The research experience can be enormously liberating," Dr. Garmezy says. "It is a feeling of having come of age as a scientist." Dr. Garmezy explains that this experience should come early in a student's life. Preceding his dissertation, research can be particularly rewarding to a student. "The Center," says Dr. Garmezy, "is a new idea in a new area. Training in depth for research and teaching is accomplished through the rotation of the student's assignment to a faculty member and through the seminar sessions." The idea of the Center, he feels, is to give an over-view of all the research being done in the areas related to personality theory and study. Dr. Garmezy observes, "The full-time research flavor of the Center can be fully realized this way; we can prepare the student better so that he develops his research understanding sooner."

The Center is supported partially by a training grant from the NIMH. Student fellows may finance their study through U.S. Public Health Service grants as well as part-time research and teaching assistantships. No more than ten to fourteen students will be in the Center program at any one time. Currently there are seven. A student-faculty ratio of one-to-one will be maintained. Eight of the ten faculty members must approve admission of any candidate for Center study.

Faculty members now associated with the Center are: Starke R. Hathaway, Prof and Dir (Clin Psychol), Gardner Lindzey, Prof (Psychol), David T. Lykken, Assoc Prof (Psychiatry), Paul E. Meehl, Prof (Psychol), Ephraim Rosen, Prof (Psychol), Britton Ruebusch, Asst Prof (CD), Wallace A. Russell, Prof (Psychol), William Schofield, Prof (Psychiatry), and Robert D. Wirt, Assoc Prof (Psychol).

In addition to his work as Center Director, Dr. Garmezy is doing an extended analysis of family factors which may influence schizophrenia. He is studying schizophrenic patients at the University and Minneapolis General hospitals, and children who are beginning to show difficulties in learning, social relationships, and other behavioral problems.

University of Minnesota Calendar of Events

FEBRUARY, 1962

MINNEAPOLIS SYMPHONY CONCERTS

Subscription Series

Northrop Auditorium, 8:30 p.m.

February 2 -- Leon Fleisher, pianist. (Single tickets \$3.50 to \$4.75. Reservations may be made at 106 Northrop.)*

UNIVERSITY ARTISTS COURSE CONCERTS

Celebrity Series

Northrop Auditorium, 8:30 p.m. unless specified

February 21 -- Genevieve and Company, a revue. (Single tickets \$1.50, \$2.50, \$3, \$3.50. Reservations may be made at 105 Northrop.)*

SPECIAL CONCERT

February 7 -- Charles Laughton. (Single tickets \$1, \$1.50, \$2, \$2.50.)*
February 10 -- Parade of Quartets; Heart Hospital Research Equipment Benefit. 8 p.m. (Single tickets \$1.50, \$2.50, \$3, \$3.50. Reservations may be made at 105 Northrop.)*

CONVOCATIONS

Northrop Auditorium unless specified, 11:30 a.m.

February 1 -- United States Training Center Band from Great Lakes, Illinois.
February 8 -- 11:30 a.m. and 12:30 p.m., Main Ballroom, Coffman Union, Morris Campus Concert Band and Men's Chorus.
February 15 -- The University's Opera Workshop presents *Act I, La Boheme* by Puccini, and *The Telephone* by Menotti.

SPECIAL LECTURES

February 9 -- Lady Chesham, Member of Tanganyika legislature for the Southern Highlands province. 3:30 p.m., Murphy Hall Auditorium.
February 12 -- Dr. Erich Schalscha, in charge of the apprehension and trial of Nazi war criminals, "Germany Continues to Clean House -- on the trail of Nazi criminals." 8:30 p.m., Northrop Auditorium.
February 12 -- "Early Man in America," Prof. Frank C. Hibben, Dept. of Anthropology, University of New Mexico. 8:30 p.m., Museum of Natural History Auditorium.

HONEYWELL LECTURE SERIES

February 25 -- "The Explorations of the Solar System," William Pickering, Director of the Jet Propulsion Laboratory, California Institute of Technology, 3:30 p.m., Northrop Auditorium.

LECTURE SERIES IN GEOPHYSICS

Murphy Hall Auditorium, 7:30 p.m.

February 13 -- "Seismic Detection of Underground Nuclear Blasts," Dr. F. A. Van Melle, Shell Development Company.
February 27 -- "Recent Advances in Blasting and Rock Mechanics," Wilbur Duvall, Applied Physics Branch, U.S. Bureau of Mines.

SPECIAL CONCERTS

Northrop Auditorium

February 18 -- Brotherhood of Faiths Choral Festival, 8 p.m.
February 27 -- Ceylon National Dancers. Benefit for International Student Center. (For tickets and information, call FE 8-8791, Ext. 26. Free tickets for University staff and students are available at 105 Northrop.)

KAFFEE KONZERTS

Main Ballroom, Coffman Union
11:30 a.m. and 12:30 p.m.

February 7 -- "The Art of Producing Chamber Opera," demonstrated by the University's Opera Workshop.
February 14 -- "The Art of Chamber Recital" with Roy Schuessler, Department of Music.
February 21 -- "The Art of Chamber Chorale" by the Twin City Chamber Chorale, David LaBerge, director.

UNIVERSITY THEATER PRODUCTIONS

Regular Production

Scott Hall Auditorium

February 1, 2, 8 p.m.; February 3, 7 and 10 p.m.; February 4, 3:30 p.m. -- *School for Wives* by Moliere.
February 22, 23, 26, 27, 28, March 1 and 2, 8 p.m.; February 24, 7 and 10 p.m.; February 27 and March 4, 3:30 p.m. -- *Henry IV, Part I* by Shakespeare. (Single tickets \$1.50 on sale at the Scott Hall Box Office.)

Studio Production

Studio Theater, Scott Hall

February 14 -- 17, 8 p.m. and February 18, 3:30 p.m. -- *The Furious Pilgrims* by Jay Gurian. (Single tickets \$1 on sale at the Scott Hall Box Office.)

MUSEUM SUNDAY PROGRAMS

Museum of Natural History Auditorium
3 p.m.

February 4 -- "New Zealand's Wildlife," Dr. William Marshall, Professor of Entomology and Economic Zoology.

February 11 -- "Color Slides," entries in the Twin City Council of Camera Clubs' International Salon.
February 18 -- "Natural History of Bahama's Shoalwaters," Dr. Preston Cloud, Professor and Head, Geology.
February 25 -- "Life of Our Marshes and Woodlots," a color and sound film.

ATHLETIC DEPARTMENT EVENTS

Home Basketball Games

Williams Arena

February 3 -- Wisconsin, 3:30 p.m., televised.
February 17 -- Northwestern, 8 p.m. (Single tickets \$2. Over-the-counter sale of any unsold tickets begins the Monday before each game.)*

Home Hockey Games

Williams Arena, 8 p.m.

February 9 -- North Dakota
February 10 -- North Dakota (Single tickets \$1.75. Over-the-counter sale of any unsold tickets begins the Monday before each game.)*
February 26 -- Sweden Nationals (Single tickets \$2 and \$3. Over-the-counter sale of any unsold tickets begins the Monday before the game.)*

Swimming

Cooke Hall

February 3 -- Michigan State and Iowa State University, 2 p.m.
February 3 -- Alumni, 4:30 p.m.
February 5 -- Illinois, 4:30 p.m.
February 8 -- Michigan, 7:30 p.m.
February 17 -- Indiana, 2 p.m.

Wrestling

Williams Arena, 7:30 p.m.

February 19 -- University of Iowa

Gymnastics

Williams Arena

February 3 -- Michigan State University and Iowa State University, 2 p.m.
February 17 -- Northwest Open Meet, 1 p.m.
February 17 -- Western Illinois, 2 p.m.

Track

Field House

February 10 -- Open Meet, 1 p.m.
February 17 -- Wisconsin, 1:30 p.m. (Single tickets 75¢. Children under 16 25¢. Tickets sold at the gate only.)

*Tickets for these events are available at the Field Schlick Ticket Office, St. Paul, and the Downtown Ticket Office, 188 Northwestern Bank Building, Minneapolis, on Monday of the week prior to the performance.

PUBLISHED BY THE DEPARTMENT OF UNIVERSITY RELATIONS, 213 Administration Building, Minneapolis 14, Minn.



● FIVE WEEKLY SESSIONS ON MANAGEMENT DEVELOPMENT WILL BE PRESENTED BY THE SCHOOL OF Business Administration faculty under the sponsorship of the Management Development Committee of the Minneapolis Chamber of Commerce. The program, which begins March 14, is the first of its kind in this area.

Designed for executives who have recently assumed, or who might be expected to assume, increased responsibilities of a more general nature in their organizations, the sessions will be held on successive Wednesdays and Thursdays at the Ambassador Motor Hotel in Minneapolis. Each will begin at 1:30 p.m. on Wednesday, and adjourn at 12 noon on Thursday.

Thirty participants will be selected from applicants nominated and recommended by their companies. Faculty members Paul V. Grambsch, Dean (Sch. Bus Adm), Nicholas A. Glaskowsky, Jr., Assoc Prof (Bus Adm), Herbert G. Heneman, Jr., Prof and Dir (Ind Rel Ctr), Thomas A. Mahoney, Prof (Ind Rel), and Albert K. Wickesberg, Prof and Chm (Mgt Dev), will make the selections and participate in the sessions.

● MEET THE PROFESSOR, A NEW TELEVISION SERIES DEVELOPED BY THE ASSOCIATION FOR Higher Education, can be seen on Channel 9, ABC-TV, Sundays at 11:30 a.m. Each week a professor from a different institution is shown in various roles -- as a classroom teacher, as a student adviser, and as a member of his college and civic community. Schools of different size and support, in various geographical locations, and instructors in diverse disciplines will emphasize the motives that impel teachers of higher education.

On February 18, anthropologist Ethel Alpenfels of New York University's School of Education will appear. Professor Alpenfels is the author of Sense and Nonsense about Race and Brothers All. Horace T. Morse, Dean and Prof (Gen Coll) is a member of the executive committee of the Association.

● BETWEEN JULY, 1960, AND JUNE, 1961, 13,222 PEOPLE REGISTERED FOR SHORT COURSES through the Short Course office of the Institute of Agriculture. These individuals participated in special informational sessions which lasted from one to five days. Each course was planned with a definite need in mind, with subjects ranging from ice cream manufacture to crop dusting, and from rose growing to the use of drain tile.

This year many of the same people have registered for similar courses. Some of the courses are given annually with emphasis on new advances and methods. The content of each course is determined by a University committee, departmental or inter-departmental, which works with the interested group.

The Short Course office administers and coordinates the meetings, which may be held on campus or wherever the participants wish. Robert Pinches, Assoc Prof and Asst State 4-H Club Ldr (Ag Ext) reports that courses in city government and planning have been held for civic leaders in small towns and suburban communities with the cooperation of many departments on the Minneapolis and St. Paul campuses.

Some courses now being planned are "Cleaning and Sanitizing," a course for dairy operators, plant managers, and processors, February 20-21; "Garden Store Operation," March 6; and "Fair Management," for county fair directors which will be conducted in three towns later this spring.

● DURING WINTER WEATHER THE MINNEAPOLIS CAMPUS HEATING PLANT CONSUMES 325 TONS OF coal every 24 hours. Joseph J. Roback, Htg Plant Oper Spec (Plant Serv) reports that a combination of gas and coal fuels is used until the temperature drops below 20°, when the Minneapolis Gas Company requests that coal be burned exclusively.

Each campus building has a set of controls governed by a weatherstat outside the heating plant building. The heat is thus adjusted automatically as the temperature changes. The hospitals, residence halls, and other buildings which require 24-hour heating service, and a few of the newer buildings which are on a hot-water system, have controls which may be adjusted in the individual building. If necessary, heat may be diverted and used to maintain temperatures in such vital areas as the hospitals by adjusting central controls located at the heating plant.

The west bank development buildings will be heated by a hot-water system with automatic controls. A tunnel is now being constructed and a steam line will be put in to span the river under the Northern Pacific Railway bridge. These should be completed by next fall, the first heating season for the buildings, according to Mr. Roback.

St. Paul campus buildings are heated by a central plant located there. During December, 2,117 tons of coal were used. There, too, an automatic system controls heat output. Total coal consumption in December at the Minneapolis plant was 5,607 tons, plus 45 million cubic feet of gas; this fuel was converted into 140 million pounds of steam. Eighteen men, including coal handlers, are employed in Minneapolis and 12 in St. Paul. Three shifts are maintained. Lloyd Benner, Chief Engr (Htg Plt - Mpls) says most of his problems are due to individual differences rather than engineering difficulties. "Few people can agree on what makes a comfortable room temperature," he says, "especially in sub-zero weather. George E. Jacobson, Chief Engr (Htg Plt - St. Paul) adds that wind variations may be instrumental in causing uneven room temperatures.

● TWO OPEN LECTURES WILL BE HELD IN CONJUNCTION WITH A THREE-DAY INVITATIONAL SEMINAR on "The Individual and Freedom." The seminar will be held February 16-18 at the Center for Continuation Study. Civic leaders, members of farm organizations, representatives of the League of Women Voters, businessmen, and delegates of education groups will participate in the seminar and attend the public lectures.

The first open lecture will be held Friday, February 16, at 11:00 a.m. in the North Star Ballroom at the St. Paul campus Student Center. Alan Westin, professor of political science at Columbia University will speak on "Fundamentalist Thought on the Right and on the Left." The second open lecture will be held Saturday, February 17, at 8:00 p.m. in the Museum of Natural History Auditorium on the Minneapolis Campus. Henry Steele Commager, professor of American History and history at Amherst College will speak. His topic will be "Freedom and the Majority Will -- An American Dilemma."

The seminar and the lectures are partially financed by a grant from the Sperry and Hutchinson (S&H) Company.

● A COURSE IN THEATER BUSINESS MANAGEMENT IS BEING OFFERED THROUGH THE GENERAL EXTENSION Division for the first time this spring quarter. Taught by Merle Loppnow, Asst to Dir (U Theater), the course is designed for people who are interested in the planning, management, and handling of publicity, box office, and business problems of community and college theaters.

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William L. Nunn, Director Elizabeth Fuller, Editor Advisory Committee: University Public Information Council

● THE UNIVERSITY OF MINNESOTA WAS CHARTERED FEBRUARY 13, 1851, BY THE TERRITORIAL Legislature. This week it marks 111 years of progress dedicated to teaching, research, and service, a tribute to the less than 10,000 settlers and their representatives who had the foresight to provide for the establishment, government, support, and administration of a public university.

The University's announcement for the academic year 1870-71 listed a faculty of ten. Most of the courses were taught in the Preparatory Department which was in two parts: the Preparatory School, consisting of three years of pre-college level courses, and the Collegiate Department with the freshman and sophomore years of the College of Science, Literature, and the Arts. Provisional organization had been made for junior and senior years in SLA and for Agriculture and the Mechanic Arts. The announcement also noted that "The departments of Law and Medicine will be put into operation as soon as the means of the University will permit." Tuition in all departments was free, and the schedule included the information that some students might live in the University building (Old Main) where each room provided a bedstead and mattress, wash-stand, table, and stove for \$3.00 a term of four months! Old Main also housed classrooms, the library, and the museum.

The first intercollegiate athletic meet was held between Hamline and the University at the Fairgrounds, then in South Minneapolis, on September 30, 1882. Football was the last of the many events, and it was played at the race track. From these humble beginnings football began to grow. In 1900, under the direction of Henry L. Williams, the team won the Western Conference championship. Conference members then included the "Big Nine": Chicago, Illinois, Michigan, Minnesota, Northwestern, Purdue, Wisconsin, Iowa, and Indiana.

"The Hiker" who guards the Armory was erected in 1906 in honor of the students who served in the Spanish-American war of 1898-99. A medal of honor was also designed and presented to 218 students and former students who had enlisted. Military drill was established in 1898 for young ladies (at their request) making the first "military fraternity" on campus a sorority.

World War I brought significant changes. The campus lost its atmosphere of ease as the male students began to disappear, one-by-one at first, and then almost in a block. Three deans left for war work in Washington. The Medical School lost 57 professors. Chemistry, astronomy, history -- nearly every department saw its teachers leaving for the vital concerns of war. In his first report as president, Dr. Burton used five pages to explain where the faculty had gone. Decreased enrollments ranged from 40% fewer students in law to 6% in SLA, where gains in the number of women somewhat offset the loss of men. A matriarchy grew as women established themselves in student affairs and took over the Daily and the Gopher.

The cornerstone for Memorial Stadium was put in place in 1924. Two million dollars had been raised by subscription pledge from alumni and friends of the University to build the Stadium and Northrop Auditorium, completed in 1929. These buildings had long been needed, but they were considered luxuries which must be financed by those who believed in them. In addition to subscriptions, loyal students raised money on football days with entertainments for the crowd. They were showered with coins which went into the building fund.

Enrollment climbed steadily through the twenties to a high of 11,961 in the fall quarter, 1930. In 1931, a gradual decline was noted, but by 1934 the upward trend was again shown with 12,021 students registered for the fall quarter, compared to 10,736 the previous year. Unsettled conditions in 1941 resulted in a slight decline from 1939's high of 15,122 to a total of 11,672. In 1943, the toll of the draft could be seen clearly; only 7,205 students registered for the fall quarter. In 1947, enrollment jumped to 28,312 in the fall quarter, topped only by this year's record 30,846.

In 1869, President William Watts Folwell summed up the destiny of the University this way, "It is not merely from the people, but for the people. True, it will put bread in no man's mouth directly, nor money in his palm. Neither the rain nor the sunshine do that, but they warm and nourish the springing grass and ripen the harvest. So higher education, generous culture, scholarship, and literature inform, inspire, and elevate communities." The University continues, as its 111th year begins, to serve these same purposes, all staff members will agree.

● THE UNIVERSITY RECEIVED A FORD FOUNDATION GRANT OF \$100,000 THIS MONTH AS PART OF a five-year, \$8,000,000 Foundation program of forgivable loans and other aids to doctoral students in engineering who plan to teach.

The Foundation hopes to help meet the growing shortage of qualified engineering teachers by bringing approximately 1,000 graduate students into the engineering-teaching profession, a number equal to about one-third of the present total of engineering teachers who hold a doctorate. Qualified students who commit themselves to teaching careers will be eligible for loans up to a total of \$10,000 each over a three-year period. Upon completion of his doctorate, a student's loan will be forgiven at a fixed rate -- \$1,000 or 20% of the total owed at the end of his graduate study, whichever is greater -- for every year of service on an American or Canadian engineering faculty.

The amounts of initial grants to schools were determined on the basis of each recipient's current doctoral program. Forty-two schools will receive grants ranging from \$25,000 to \$100,000 (a total of \$2,800,000) for forgivable loans over the next two years. Additional grants totaling \$5,275,000 will be distributed to institutions for forgivable loans and other aids following a review of the use of the initial grants and possible changes in national needs.

● FIVE UNIVERSITY SCIENTISTS HAVE RECEIVED TWO-YEAR, UNRESTRICTED RESEARCH GRANTS from the Alfred P. Sloan Foundation, New York. The researchers are among 83 recipients of Sloan grants totaling more than \$1.3 million, the largest amount given to date for basic research which supports "people rather than projects," the foundation reports. The grants are for fundamental research in chemistry, mathematics, physics, and such interdisciplinary fields as geochemistry and astrophysics.

The University scientists and their fields of interest are: Avner Friedman, Assoc Math Prof (IT), now on leave for work on partial differential equations at Stanford University; Maurice M. Kreevoy, Assoc Prof (Org Chem), who will spend the 1962-63 academic year working on theoretical organic chemistry at Oxford University, England; Edward Leete, Assoc Prof (Org Chem), who will study how various natural products (alkaloids, such as nicotine, morphine, and strychnine) are produced in plants; Charles A. McCarthy, Asst Prof (Math) who will study applications of spectral theory; Albert J. Moscovitz, Asst Prof (Phys Chem), now working in Copenhagen, Denmark, who will further his work on the electronic structure of complex molecules; and Irving J. Lowe, Asst Prof (Physics) who will continue his work begun on a Sloan grant last year, on the study of solids, using nuclear magnetic resonance technique.

● REGENTS' SCHOLARSHIPS IN EXTENSION DIVISION HAVE BEEN AWARDED TO THE FOLLOWING people for Spring Semester: Patricia D. Acton, Prin Sec (Adm and Rec); Nancy J. Arko, Artist (Zoo); Marjorie Ann Blackburn, Pers Asst (Pers); Jacqueline Ann Carlson, Lab Att (Path); Marilyn R. Chock, Sr Clerk-Typ (Acad Adm); Jeannette Delau, Off Supv (Vet Med); Delores Dooley, Off Supv (Sch of Dent); Alderic J. Doree, Elec Mech (Phys Med and Rehab); Marilyn Dressen, Sec (Inst Child Dev); Rita B. Drone, Lib (Law Lib); Orin Dutton, Bldg Care (Plant Serv); Sharon J. Gemmill, Asst Scien (Surg); Harriet M. Hall, Off Supv (Hydr Lab); Nancy K. Henderson, Sr Clerk (Stu Couns Bu); Patricia K. James, Sr Sec (Psych-Ed Clinic); Katherine F. Jansen, Lab Tech (Derm); Walter E. Kaul, Trg Off (Pers); Esther L. Maglaya, Sr Clerk-Typ (Lib); Kay Maloney, Prin Sec (Gen Ext Div); Judith Ann Nielsen, Sec (Law); Mildred E. Olson, Asst Scien (Phys Med and Rehab); Engel H. Prins, Gen Mech (Plt Serv); Mildred B. Ricci, Sr Sec (Physics); Marvin J. Schmitz, Elec Mech (Phys Med and Rehab); Erma Ruth Sims, Nurs Sta Asst (Hosp); Irene A. Skansgaard, Sr Sec (Obstet); Myrna M. Smith, Sr Sec (Ag Ext); Thomas J. Spaise, Comp Prog (Data Proc Center); Robert L. Stans, Acct (Bus Off); Colleen B. Vergin, Sr Sec (Psych and Neur); Judith C. Widerski, Prin Clerk (Vet Med); John F. Wilson, Pers Asst (Pers).



● **PRESIDENT EMERITUS J. L. MORRILL WILL GIVE A LAND-GRANT CONVOCATION ADDRESS HERE** April 12 commemorating the Centennial of the Land-Grant Act of 1862.

Dr. Morrill, now director of the Ford Foundation's overseas development program in Latin America and the Carribean, will speak on the Land-Grant tradition at 11:30 a.m. in Northrop Auditorium. A request that fourth hour classes be excused has been made to the Administrative Committee of the Senate.

This will be Dr. Morrill's first official visit to the University since he retired from the presidency on July 1, 1960. He is so highly regarded as an authority on the Land-Grant colleges that he has been referred to as "Mr. Land-Grant Movement."

A Centennial luncheon will follow the convocation. The University's 2,400 Land-Grant sponsors, community leaders throughout the state, and all students and staff members are invited to the convocation and the luncheon.

● **FOR MANY YEARS EDUCATIONAL, CIVIC, AND PROFESSIONAL ORGANIZATIONS HAVE USED THE** Minneapolis and St. Paul campuses for meetings during the summers and academic holiday periods. Until recently, however, no uniform way of handling these meetings has existed.

Now Stanley J. Wenberg, V Pres and Adm Asst; Vernon L. Ausen, Supv Rm Assgn and Sched (Adm and Rec); William L. Nunn, Dir (U Rel); Don Finlayson, Mgr U Hous (Staff Hous); and Richard P. Getchell, Asst Dir (Stu Unions), members of an all-University Committee, are working with University departments and groups which wish to use campus facilities.

These meetings have proved of special value to the University's educational, research, and public service programs. In recent years such organizations as the American Chemical Society, the Institute of Cooperation, and the Cancer Congress have met here. Groups scheduled to use the Twin Cities' campuses soon include the Musical Pageants of the Veterans of Foreign Wars, August 10-17, 1962; the American Theater Association Conference, August 26-29, 1963; and the American Farm Economics Association, August 25-28, 1963. Tentative plans for this summer include a Home Economics Association group, an Institute on Electron Device Research, and a gathering of over 1,000 Boy Scouts.

Use of the campus by outside groups provides more days of employment for many Civil Service staff members, and gives the University an income it would not otherwise have. Of special interest is that these meetings acquaint people with the University; many of these are young persons who can be stimulated to enter a college or university.

● **THE DEPARTMENT OF ARCHITECTURE HAS SCHEDULED A TWO-CREDIT COURSE IN JAPANESE** architecture for the spring quarter. The course will be conducted by Dr. Heinrich Engel, Lect (Arch) and will study the achievements of Japanese residential architecture of the 17th and 18th centuries. It is tentatively scheduled to meet Monday and Friday at 4:30 p.m. in the Architecture Building. Further information may be obtained from the Department of Architecture. This course is open to staff members, students, and other interested individuals of any department or level.

● A REPORT TO THE SENATE COMMITTEE ON STUDENT AFFAIRS MADE RECENTLY BY EDMUND G. Williamson, Dean of Students and Prof (Psychol-Dean of Stu Off) cites the success of the University's Speaker Policy, in effect since June, 1956.

Over the five-year period, student organizations have sponsored 931 non-University speakers. Religious and interfaith groups heard a total of 453 outside speakers, political and social action groups heard 130. The largest number of off-campus speakers used by one group during any year was 102 programmed by religious and interfaith groups during 1956-57. The greatest number of outside speakers used by all groups in a single year was 212 in 1958-59. This past year the total for all groups was 168.

Dean Williamson points to the consistently high quality of the speakers as evidence of the Policy's success. The areas in which he would like to see more outside speakers used are residence halls, recognition and honorary organizations, academic and professional fraternities and sororities, and language and cultural groups.

The Speaker Policy approval procedure includes four steps: (1) program approval forms are completed by the organization's representative, (2) the program is reviewed with the student by a Student Activities Bureau (SAB) staff member, (3) the SAB adviser makes his recommendation and sends the request to the Bureau director, (4) the student is given a decision. Dean Williamson reports that all requests for approval have been granted.

● THE COOPERATIVE EFFORTS OF A MECHANICAL ENGINEER AND A RESEARCH PHYSIOLOGIST ARE turning a piece of equipment originally designed for combustion studies in rocket research into a significant medical device.

The pair, Leroy M. Fingerson, Inst (Mech Engr) and Robert L. Evans, Asst Prof (Physiol) are adapting a tiny, liquid-cooled, platinum-plated glass tube smaller than a human hair for use in obtaining more information about the characteristics of blood flow in the aortic out-flow tract of the heart. One of the primary questions they hope to answer is whether there is an irregular blood flow in this region during part of the pulse cycle. Such information would be extremely valuable to a better understanding of circulation.

The outside diameter of the glass tube is .006 of an inch, and its inside measurement is .004 of an inch. Inserted into the aorta, it will act as a sensor to record momentary variations in blood flow velocity, and thus detect irregularities.

"It has been easier to measure blood pressure than to measure flow," Dr. Evans says, "but flow is the quantity that is essential to the organs' nourishment. If a method of estimating flow could be correlated with pressure measurement, it would yield very useful data. Such a relationship has to be tested by direct measurement of blood flow."

There are other types of flow meters now in use, he explains, but this new one may be the only one that will give accurate immediate flow measurements at a particular point in a cross section of an artery. This device will be used to give a better understanding of circulation and will aid in teaching medical students about it. The research is being financed by a three-year \$64,000 U. S. Public Health Service grant.

● AN INSTITUTE FOR PUBLIC HEALTH NURSES "THE MENTALLY RETARDED IN THE HOME" WILL BE held March 8-9 at the Center for Continuation Study. The institute is sponsored by the Minnesota State Board of Health and the Minneapolis Association for Retarded Children. Mrs. Laura L. Dittman, Specialist, Growth and Development of Handicapped Children, U.S. Children's Bureau, Washington, D.C. will be a guest lecturer.

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William L. Nunn, Director Elizabeth Fuller, Editor Advisory Committee: University Public Information Council

● THE UNIVERSITY PRESS IS OBSERVING ITS 35TH ANNIVERSARY THIS WEEK. ESTABLISHED IN 1925 by a Board of Regents' Resolution, the Press was organized to centralize publishing activities under the direction of professionals.

The University had published books since 1872, but had little success in their distribution. Soon after the Press took over these literary orphans, sales, which had never before amounted to more than a few hundred dollars a year, climbed to an average of a thousand dollars a month, a credit to the vigorous promotion campaign waged by Margaret S. Harding, the first Press director and her loyal staff of three. Mrs. Harding was the first woman to head a university press in this country.

The first book published after the permanent organization of the Press was Harold Quigley's From Versailles to Locarno, published March, 1927. By coincidence, a new book by Dr. Quigley, China's Politics in Perspective, will be released March 30. Dr. Quigley is a professor emeritus of political science at the University.

Press Director John Ervin, Jr. says that a total of 765 books and pamphlets (370 of which are currently in print), 16 tests and scales, two maps, and two journals have been published under the Press imprint. The all-time best seller is The Doctors Mayo by former Press director Helen Clapesattle. Nearly 381,000 English language copies have been sold by the Press and by two other publishers who have issued reprint editions. Foreign publishers have printed 15 foreign language translations by arrangement with the Press.

The University Press operates on a non-profit basis. It emphasizes scholarly publications, but attempts to bridge the gap between expert and layman, and to make such works more usable and less forbidding. Its success in the area of book design is recorded in the number of graphic arts awards Press books have won. The Press has no printing equipment, and uses the facilities of many firms, including the University Printing Department.

A University Committee on the Press formulates policy, provides guidance, and makes final decisions on the publication of promising manuscripts. The eight committee members are Chairman Malcolm M. Willey, V Pres (Acad Adm), Bryce Crawford, Jr., Dean (Grad Schl), Errett W. McDiarmid, Dean and Prof (SLA Adm), Julius M. Nolte, Dean (Gen Ext Div), Dr. Robert B. Howard, Dean (Adm-Med Sci), Harold Macy, Dean and Prof (Inst of Ag), Samuel H. Monk, Prof (Eng), and Mr. Ervin.

Manuscripts are received from University faculty members and those of other schools and colleges, from doctors, lawyers, experts in particular fields, and critics, poets, and novelists, some established, some aspiring. A Press editor reads each manuscript. If it has possibilities, it is referred to one or more specialists. The Committee on the Press uses the importance of the work as its chief consideration, but also evaluated are readers' reports, the estimated costs of production, and other pertinent information.

Once accepted, a work goes into production as soon as possible. About 25 or 30 books and pamphlets are scheduled for publication each year. Most of the Press offerings fall into three general categories: scholarly books, interpretive publications, and regional books concerned with some aspect of Minnesota or Upper Midwest culture or history. A few books of poetry, plays, and other creative forms are also published.

An edition of any single publication may vary from 1,000 copies or less to 20,000; the average edition is about 3,000. Agents and salesmen in this country and abroad help extend the scope of the Press -- and the University -- to all parts of the world. The Oxford University Press is part of the U Press's foreign network and is of particular significance in making more wide-spread circulation possible throughout the English speaking areas of the world.

In its 35 years of existence the Press has had only three directors. Mrs. Harding headed the Press for twenty years. She retired in 1953 and was succeeded by Helen Clapesattle. Mr. Ervin has directed the Press since 1956. Today the Press employs 20 full-time and six part-time staff members.

University of Minnesota Calendar of Events

MARCH, 1962

MINNEAPOLIS SYMPHONY CONCERTS

Subscription Series

Northrop Auditorium, 8:30 p.m.

March 9 -- Henryk Szeryng, violinist.
March 16 -- Bach "B Minor Mass" with the Macalester College Choir.
March 23 -- Norman Carol, violinist, and Robert Jamieson, cellist.
(Single tickets \$3.50 to \$4.75. Reservations may be made at 106 Northrop.)*

Twilight Concerts

Northrop Auditorium, 4:30 p.m.

March 11 -- All Request Program.
March 18 -- Civil War Gala. Frederick Fennell, Guest Conductor.
(General admission \$1.25. Sale of tickets opens at the Northrop Box Office at 3:30 p.m. on the day of the concert.)

UNIVERSITY ARTISTS COURSE

Masterpiece Series

Northrop Auditorium, 8:30 p.m.

March 28 -- Cornell MacNeil, Metropolitan Opera baritone.
(Single tickets \$1.50, \$2.50, \$3.00, \$3.50. Reservations may be made at 105 Northrop.)*

SPECIAL CONCERTS

Northrop Auditorium, 11:30 a.m.

March 27 -- Nanna Egils-Bjornsson, soprano with Otto Stoterau at the piano.

March 27 -- Nanna Egils-Bjornsson, soprano, with Otto Stoterau at the piano.

CONVOCATION

Northrop Auditorium, 11:30 a.m.

March 29 -- Cynthia Gooding, folk singer.

COMMENCEMENT

Northrop Auditorium, 8:30 p.m.

March 15 -- Chief Justice Oscar Knutson of the State Supreme Court.

SPECIAL LECTURES

March 26 -- "Athenian Vase Painting" by Professor John M. Cook, University of Bristol. 8:30 p.m., Museum of Natural History Auditorium.

March 28 -- "The Search for a Useable Past" by Henry Steele Commager, historian. 8:00 p.m., Murphy Hall Auditorium.

UNIVERSITY THEATER PRODUCTION

Regular Production

Scott Hall Auditorium

March 1, 2, 8 p.m.; March 3, 7 and 10 p.m.; March 4, 3:30 p.m. -- *Henry IV, Part I* by Shakespeare.
(Single tickets \$1.50 on sale at the Scott Hall Box Office.)

MUSIC DEPARTMENT PROGRAMS

Special Concerts

March 4 -- Winter Concert; Northrop Auditorium, 3:30 p.m.
March 8 -- Sigma Alpha Iota Benefit Concert. Bernhard Weiser, pianist. Scott Hall Auditorium, 8:30 p.m.

Senior Recitals

Scott Hall Auditorium

March 5 -- Phyllis Gay, vocalist. 8:30 p.m.
March 30 -- Goff Owen, vocalist. 8 p.m.

MUSEUM SUNDAY PROGRAMS

Museum of Natural History Auditorium, 3 p.m.

March 4 -- "Dutch Elm Disease" with Dr. David French, Associate Professor of Plant Pathology.

March 11 -- "Let's Keep Some Wild Lands Wild," a color and sound film.

March 18 -- "Our National Forests," a color and sound film.

March 25 -- "Animal Behavior" with Mr. Harvey Gunderson, curator of mammals, Minnesota Museum of Natural History.

UNIVERSITY GALLERY EXHIBITIONS

Through March 11 -- Faculty Exhibition: Department of Art.
Through April 7 -- John Rood Sculpture Collection.

March 4 -- May 1 -- Pottery.

March 4 -- May 1 -- International Graphic Arts Society.

March 6 -- April 6 -- Lawrence Hanson: M. F. A. Thesis Exhibition in the Seminar Gallery.

March 26 -- April 23 -- The Nineteenth Century: 125 Master Drawings.

SIGNIFICANT UNIVERSITY BROADCASTS

KUOM, 770 on the dial

Monday - Friday, 4:45 p.m. -- "Background of the News."

Thursday, 4 p.m. -- "The World of Folk Music."

Saturday, 12 p.m. -- "The World of the Paperback."

Saturday, 2 - 4 p.m. -- "Music for the Asking."

Saturday, 4 p.m. -- "Minnesota Theater of the Air."

March 3 -- *Alice in Wonderland* by Lewis Carroll.

March 10 -- *The Confidence Man* by Herman Melville.

March 17 -- *Save Me the Beaver Tails* by Jay Gurian.

March 24 -- *The Creditors* by August Strindberg.

March 31 -- *The Well of the Saints* by John Millington Synge.

UNIVERSITY TELECASTS

Seen on Channel 2, KTCA-TV

Monday, 9 p.m. -- "History of Western Civilization," with John B. Wolf.

9:30 p.m. -- "World Affairs," with George Grim.

Tuesday, 9 p.m. -- "Shakespeare," with Robert E. Moore.

Wednesday, 9 p.m. -- "Folio," with Arnold Walker.

Thursday, 9 p.m. -- "History of Western Civilization," with John B. Wolf.

9:30 p.m. -- "Town and Country," with Ray Wolf.

Friday, 9 p.m. -- "Shakespeare," with Robert E. Moore.

ATHLETIC DEPARTMENT EVENTS

Home Basketball Games

Williams Arena, 8 p.m.

March 3 -- Michigan State

March 5 -- Michigan

(Single tickets \$2. Over-the-counter sale of any unsold tickets begins the Monday before each game.)*

Wrestling

Williams Arena (unless specified)

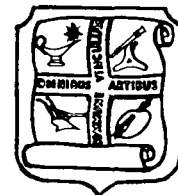
March 2 -- Big Ten Conference Meet, 1 and 7:30 p.m.

March 3 -- Big Ten Conference Meet, 2 p.m. (Tickets sold at gate only.)

March 16 -- Iowa State University, 7:30 p.m., Cooke Hall.

(Single tickets 75¢. Children under 16, 25¢. Tickets sold at the gate only.)

*Tickets for these events are available at the Field Schlick Ticket Office, St. Paul, and the Downtown Ticket Office, 188 Northwestern Bank Building, Minneapolis, on Monday of the week prior to the performance.



● A STUDY OF ENROLLMENTS IN MINNESOTA COLLEGES AND UNIVERSITIES HAS BEEN RELEASED by the Bureau of Instructional Research. Prepared for the Association of Minnesota Colleges, the survey reports a total full-time attendance of 65,217 students fall quarter 1961, an increase of nearly 5,400 over 1960. Attending the University of Minnesota -- all four campuses -- were 30,846 students; 17,732 were enrolled at private colleges; 12,857 were attending state colleges; and 3,782 were registered at private and public junior colleges. All together, 19,740 entering freshmen were recorded in the report; all but 2,000 of these entered four-year institutions.

As a whole, public institutions reported an increase of almost 12% over the 1960 attendance figures in full and part-time student enrollment, while private institutions show an increase of less than 4%. Public institutions have enrolled close to 80% of the increased number of full and part-time students since 1954. Between 1960 and 1961, the public colleges enrolled over 89% of the total increase in Minnesota, and the private colleges enrolled almost 11%. The number of entering freshmen has increased more than 63% from 12,092 in 1954 to 19,776 in 1961. The gain in full-time students alone since 1954 is over 62%. The proportion of full-time students attending public institutions has increased from under 67% in 1954 to 72% in 1961.

Projected enrollments for 1965 for all Minnesota colleges and universities total 82,492, an increase of about 3,700 over an estimate made last year, and 21,000 over an estimate made in 1955 for 1965. Attendance estimates for 1970 total 102,924, an increase of more than 28,000 over the projected figure established for 1970 in 1955. The total enrollment now forecast for 1975 is 120,937, exceeding last year's estimate for 1975 by about 3,300 students.

Minnesota shows a slightly higher percentage increase in college and university enrollment for 1961 compared to 1960 than Iowa, North Dakota, and South Dakota. The University of Minnesota and the state colleges show considerable higher increased enrollments than comparable colleges and universities in these other states. Between 1957 and 1960, Minnesota's full and part-time students increased by 19% compared to an average U. S. increase of about 18%.

● "PRODUCTIVITY, WAGES, AND JOBS -- AT HOME AND ABROAD" IS THE TITLE OF THE 14th Annual Industrial Relations Center (IRC) Labor Conference to be held at the University March 22 and 23 in the Center for Continuation Study.

Some of the questions which will be discussed are: (1) What effect will automation have on the number and kinds of jobs? (2) How many jobs are displaced because of imports? (3) How many workers have jobs because of exports? (4) What government programs are there to assure steady employment? (5) What about productivity and wage rates in other countries?

Representatives of the European Common Market, the Federal Government, and the University have been invited, as have labor delegates. Guest speakers include Rudy Faupl, U. S. labor representative to the ILO, who is also the international affairs representative of the International Association of Machinists; Nat Goldfinger, Research Department, AFL-CIO; Masumi Muromatsu, Research Assistant, U. S.-Japan Trade Council; and Joel Seidman, professor of economics at the University of Chicago.

Among University of Minnesota faculty participants will be Walter H. Uphoff, Assoc Prof(IRC) and Head(Labor Ed Prog); Herbert G. Heneman, Jr., Dir(IRC); Edward Coen, Assoc Prof(Econ); Thomas A. Mahoney, Prof(IRC); Norman J. Simler, Asst Prof(Econ); Harlan M. Smith, Assoc Prof(Econ); and Barbara Stuhler, Assoc Prof and Asst Dir(State Org Serv).

● FOUR NEW GRADUATE RESEARCH LABORATORIES IN ELECTRICAL ENGINEERING WERE DEDICATED at the University last week as part of Minnesota Electronics Recognition week. Minnesota is the fourth largest electronics center in the nation, and electronics is the fastest growing industry in the state.

Despite the fact that electrical engineering has the most rapidly expanding graduate program at the University, the department is only too aware of the fact that last year five out of the 150 electronics companies in the state hired three times as many electrical engineers as the University graduated. This year, one of these five companies alone will employ as many electrical engineers as the University will graduate.

Many of the companies credit the University and its contributions to electronics with their very existence. The University has provided the research, and the impetus for still more research, on which many of these companies were founded. Important functions of the University, which increase the growth potential of the industry, are providing additional training, research, and graduate study facilities for those who elect to work in Minnesota electronics.

The rise in the graduate school enrollment in electrical engineering has created a critical need for research space at the University. This year there are 187 graduate students, including 53 in the new evening program, compared to only 75 four years ago. Projections for 1972 estimate that at least 330 graduate students will be working in the department, 110 probably studying in the evening school and 220 as day students.

The four new laboratories were financed by a \$21,500 grant from the National Science Foundation and by a matching grant from the Minneapolis Honeywell Regulator company. Equipment worth more than \$65,000 was included in the facilities through other individual grants. Two of the laboratories will be used for studies on the properties of semiconductors used in electronics and two will be used for magnetic materials research.

● A UNIQUE SERIES OF SEMINARS ON THE ST. PAUL CAMPUS IS HELPING INSTRUCTORS FROM seasoned professors to fledgling assistants evaluate their problems, methods, strengths and weaknesses as teachers.

Arranged by the Subcommittee on Instruction of the Curriculum Committee of the School of Agriculture, Forestry and Home Economics (AFHE), the seminars are the result of a survey conducted to determine faculty needs and interests. A series of three meetings was scheduled for this academic year, two of which have been held. Each consists of a 15-minute presentation by each of two speakers, and an informal discussion and a question-answer period.

"These are coffee and doughnut sessions," reports Dr. Elton L. Johnson, Prof and Head (Poult) chairman of the Subcommittee. "Originally we thought they should last about an hour -- from 3 to 4 p.m. -- but each has lasted until nearly 5." Dr. Johnson says there have been about 60-70 faculty members at each of the seminars. "And many more have said they should be held at some other time to avoid class conflicts," he adds.

Speakers at the seminars include recognized teachers and those who deal with philosophy and theory of education. At the first seminar, a discussion of "Philosophies of Education," Horace T. Morse, Dean and Prof (Gen Coll) and Gordon M. A. Mork, Prof and Dir (Stu Teach) opened the meeting; at the second, Ralph G. Nichols, Prof and Head (Rhet) and Daniel C. Neale, Asst Prof (Ed) participated in a discussion of student motivation. A third seminar will be held spring quarter on evaluating the effectiveness of the instructional job.

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William L. Nunn, Director Elizabeth Fuller, Editor Advisory Committee: University Public Information Council

● WHAT ARE THE PURPOSES OF A LIBERAL ARTS COLLEGE? HOW CAN THESE BE DEFINED AND used to strengthen the ideals of liberal education? A statement issued by the College of Science, Literature, and the Arts (SLA) provides an answer to these questions. The ideal product of liberal arts education, according to the statement of purpose issued by the College, is the upright and humane person with an insatiable yet humble curiosity about the world and its people, a readiness to consider ideas, a well-informed mind, the power to discriminate between the honest and the fraudulent, and a sense of personal responsibility for the improvement of the human condition through learning and its advancement.

The type of liberal education to which SLA is devoted has been specified in a series of propositions (numbered 1 to 6, below) which amplify the general aims of the college.

1. The areas that contribute to liberal education share certain characteristics: they have organized bodies of knowledge, and systematic procedures for adding to them; they are concerned with knowledge which has value for its own sake, which is related to man's cultural heritage, and which has challenged human intelligence and imagination. The differences between the fields of interest should not be overlooked. Some are derived from the description, classification, and explanation of nature, man, and society. Others -- mainly those dealing with art, music, and writing -- find their beginning and end in unique acts of creative intelligence.
2. Liberalizing influences are broadening rather than restrictive; liberal education opens to its students a wide variety of intellectual experiences. The educational life of the individual student is enriched and expanded as he is introduced to the activities under the guidance of scholars in a variety of fields.
3. Liberal education should expect a student to begin the mastery of a field of study and explore it in some depth. Better students should thus dedicate themselves to careers of scholarly activity.
4. Acquaintance with the methods, techniques, and tools of scholarship should result from liberal education. This would, of course, be deepest in the student's area of specialization, but should also be adequate in other areas.
5. Adequate grounding in man's cultural heritage and some understanding of the ways contemporary research is refining knowledge of it must be part of the complete liberal education. Historical perspective gives the educated man a framework within which to judge, change, and evaluate progress or retrogression.
6. The highest obligation liberal education holds for mankind is the pursuit of truth. This search is the continuing goal of scholar and student. A faculty of high competence dedicated to this search and devoted to the stimulation of students is one of the best tools the liberal arts college can provide. Members of such a faculty set high standards in the students as well as in their personal dedication to the pursuit of learning and the search for truth.

To SLA: no statement of goals, nor definitions, nor principals can assure students of the achievement of a liberal education. The ability and initiative of the students are as important in realization of the ideal as any institutional condition. But given motivated students, SLA can help them achieve a liberal education. The college stands firm in the conviction that the best atmosphere for liberal education is that one where there is joint emphasis on teaching and research. SLA insists on the interdependence of these.

The SLA statement points out that the best instruction is nurtured by research -- by a continuous interchange involving classrooms, libraries, and laboratories. Conversely, research is stimulated and made fruitful by contact with inquiring minds at all stages of higher education. The basic purpose, then, of the College is to introduce students to liberal education -- to its meaning, to its values, and to its opportunities. The College must strive also to serve not only those enrolled in it, but those enrolled in other colleges of the University of Minnesota.

It adds that the goal of a university is to provide each of its students with opportunities for growth under the guidance of men and women who embody the qualities of the ideal of liberal education, together with the mysterious personal magnetism, that, almost without words, conveys the endless excitement of the search for knowledge.

● DURING UNIVERSITY OF MINNESOTA WEEK FACULTY AND STAFF SPEAKERS APPEARED BEFORE 55 civic, business, social service, and alumni groups in the Twin Cities area and throughout Minnesota. Included were Robert Beck, Prof(Educ); Richard K. Gaumnitz, Prof(Bus Adm); William S. Howell, Prof and Assoc Chm(Speech and Theater Arts); Walter Breckenridge, Dir(Mus Nat Hist); Paul V. Grambsch, Dean(Sch Bus Adm); Willard L. Thompson, Asst to Pres (Pres Off); John G. Turnbull, Prof(Econ and Ind Rel); Harold C. Deutsch, Prof and Chm (Hist); Wallace T. Johnson, Asst Prof and Coach(Phy Ed); Stanley J. Wenberg, V Pres and Adm Asst; Richard L. Varco, Prof(Surg); Julius M. Nolte, Dean(Gen Ext Div); Robert L. Jones, Dir(Journ); Campbell Craddock, Assoc Prof(Geol); Keith N. McFarland, Asst Dean and Prof (AFHE); Werner W. Boehm, Prof(Sch Soc Work); and President O. Meredith Wilson.

Other speakers were Thomas A. Mahoney, Prof (IRC); Harlan M. Smith, Assoc Prof(Econ); Oswald H. Brownlee, Prof(Econ); E. Scott Maynes, Assoc Prof(Econ); Delbert C. Hastings, Assoc Prof(Econ); W. Donald Beatty, Assoc Prof(Hist); Robert Berkhofer, Inst(Hist); Theofanis G. Stavrou, Asst Prof(Hist); Harvey L. Gunderson, Asst Scien(Mus Nat Hist); Werner Levi, Prof(Pol Sci); Charles H. McLaughlin, Prof(Pol Sci); William C. Rogers, Prof(Pol Sci) and Dir(State Org Serv); N. L. Gault, Jr., Asst Dean(Adm-Med Sci); George A. Nash, Asst Prof and Coach(Phy Ed); James S. Lombard, Prof and Dir(Conc and Lect); William L. Nunn, Dir(U Rel); Malcolm M. Willey, V Pres(Acad Adm); Mark A. Graubard, Prof(Interdiscp Stud); Forrest G. Moore, Dir(For Stu); Frederick E. Berger, Dir(Cont Stud Cent); Stanley B. Kessler, Assoc Prof(Lang Arts-U High); Elizabeth L. Cless, Asst Prof(Gen Ext Div); Norman C. Nagle, Asst Prof(Arch); Joseph Smolen, Lect(IRC).

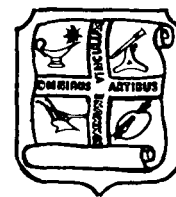
The following departments provided displays for banks, business buildings, department stores, and other public buildings: Agricultural Economics, Library, Naval ROTC, Aeronautical Engineering, School of Mines, Speech and Theater Arts, University Press, Art, Architecture, Dentistry, Dean of Students' Office, Physics, Pharmacy, ROTC, SLA, Entomology, Library School, Plant Pathology, Rural Sociology, KUOM, and the Museum of Natural History. A total of 25 large displays was exhibited in the Twin Cities. Nearly 200 counter cards celebrating the 111th Birthday of the University and Land-Grant Centennial were used in the Twin Cities area, Duluth, Morris and throughout the state.

● GRANTS TOTALING \$262,507 WERE AWARDED TO TEN UNIVERSITY RESEARCHERS BY THE U. S. Public Health Service during the month of January. Investigators named to use the grants are Dr. Ramon M. Fusaro, Inst (Med); James F. Koerner, Asst Prof (Physiol Chem); Dr. Arnold Lazarow, Prof and Head (Anat); Dr. James P. Lillehei, Asst Prof (Med); Rufus Lumry, Prof (Phys Chem); Dr. Arthur Page, Res Fell (Ped); Fred Smith, Prof (Ag Biochem); Dr. Wesley W. Spink, Prof (Med); Murray A. Straus, Prof (Home Ec and Sociol); and Dr. F. H. Van Bergen, Prof and Head (Anesth).

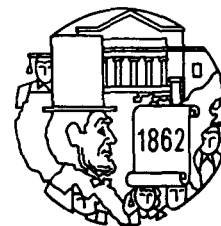
● A COMPARATIVE RESIDENCE HALL RATE SUMMARY HAS BEEN PREPARED FOR THE BIG TEN Universities. Figures shown on the table below are average rates for single undergraduates. The complete report, including graduate housing rates for men and women, married student housing, and a complete breakdown on the type of housing provided in each category, is available from the Department of University Services.

| | 1960 | | 1961 | | 1962 | |
|----------------|----------|--------|----------|----------|----------|----------|
| | Men | Women | Men | Women | Men | Women |
| Michigan \$82 | \$823.50 | 826.10 | \$824.70 | \$833.38 | \$850.00 | \$858.00 |
| Northwestern | 799.00 | 919.00 | 799.00 | 919.00 | 799.00 | 919.00 |
| Indiana | 745.00 | 758.00 | 768.00 | 778.00 | 768.00 | 778.00 |
| Wisconsin | 772.90 | 801.80 | 822.90 | 847.08 | 822.90 | 847.08 |
| Iowa | 827.45 | 825.55 | 888.28 | 886.17 | 888.28 | 886.17 |
| Michigan State | 765.00 | 765.00 | 786.00 | 786.00 | 786.00 | 786.00 |
| Illinois | 789.60 | 792.64 | 789.60 | 792.64 | 829.60 | 832.64 |
| Purdue | 769.56 | 802.00 | 769.65 | 800.91 | 828.47 | 850.68 |
| Ohio State | 789.00 | 774.00 | 830.00 | 825.00 | 830.00 | 825.00 |
| Minnesota* | 768.00 | 781.00 | 804.00 | 817.00 | 804.00 | 817.00 |

*Graduate student housing is the same as undergraduate at Minnesota.



President Emeritus J. L. Morrill



1862 • CENTENNIAL • 1962
OF THE LAND-GRANT ACT

"Born of the American democratic ideal, nourished and encouraged by the passage of the Land-Grant Act in 1862, the state universities have grown and flourished all across the nation. From the beginning their philosophy emphasized education for all people. . . the usefulness and relevance of all learning to a better life and to the maintenance of a free and democratic society."

J. L. MORRILL, THE ONGOING
STATE UNIVERSITY

● STAFF MEMBERS AND STUDENTS ARE INVITED TO PARTICIPATE IN THE CELEBRATION OF THE Land-Grant Centennial on the Minneapolis campus April 12.

- Greet Dr. James Lewis Morrill, President Emeritus of the University in the foyer of Northrop Auditorium beginning at 11:00 a.m.
- Hear Dr. Morrill speak on "The Land-Grant Tradition in American Education" at a Convocation in Northrop Auditorium at 11:30 a.m.
- Join Dr. Morrill, President O. Meredith Wilson, the Land-Grant sponsors, civic and community leaders from throughout the state for a Centennial luncheon in the Main Ballroom of Coffman Union immediately following the Convocation. Minnesota foods related to University research will be featured. Groups and individuals may reserve guest tickets for \$1.75 per person at the Campus Club, the Information Desk in the Union, or at the office of University Relations, 213 Administration Building.

Fourth Hour classes will be excused so students and faculty members may participate more fully in this memorable event. All will enjoy the opportunity to learn more about the Land-Grant Act, the part it has played in the history and growth of the University of Minnesota, the state, and the nation.

● "THE MANY FACES OF LANGUAGE: THE WORLD OF ENGLISH", A SERIES OF SIX LECTURES WILL begin April 18 in the Museum of Natural History Auditorium. The series was developed by Elizabeth Cless, Asst Prof and Asst to Dean (Gen Ext Div) and William C. Rogers, Prof (Poli Sci) and Dir (State Org Serv).

Melville Jacobs of the University of Washington's Department of Anthropology will give the first lecture, "Language and Society." Other lecturers and their topics are James Jenkins, Prof (Psych), "Language and Behavior"; Louis Muinzer, professor of English at Rutgers, "English Through the Ages"; Harold Allen, Prof and Communications Dir (Eng), "Why Americans Speak the Way They Do"; L. F. Brosnahan of University College, Ibadan, Nigeria, "English as a World Force"; and Francis Utley, professor of English at The Ohio State University, "The Beauty of English." Stanley Kegler, Assoc Prof and Head (U High) is moderator for the series. Information may be obtained from General Extension Division, Nicholson Hall.

● FOR THE FIRST TIME MORRIS RESIDENTS ARE TAKING EVENING CLASSES FOR CREDIT THROUGH the University. Charles C. Hanna, Inst and Asst Dir (Stu Serv-Morris) reports that 123 have enrolled in the new classes.

No less than 47 flying enthusiasts are taking a ground school course designed for individuals who wish to take the private pilot's written examination. Art, music, history, library work, and flight training classes are also filled. "Just starting these classes was most important this year," Rodney A. Briggs, Prof and Dean (Morris) says. "Next year they will be part of the General Extension Division of the University."

● CREATIVE PARTICIPATION IS THE THEME OF THE SEVENTH ANNUAL CREATIVE ARTS FESTIVAL, April 2-6. Students, faculty, and staff members will see painters, musicians, dancers, writers, and actors at work, and they may participate in each of the Festival's 16 major events through informal discussions, coffee hours, and by actually performing.

Six members of the Art Department faculty will demonstrate modern art techniques on Tuesday, April 3 in the Architecture Court at 11:30 a.m. On-lookers will be encouraged to ask questions and to move freely from one artist to another, viewing each work, the medium, and the way the subject is handled. A "Poetry and Jazz" session Wednesday, April 4 at 8 p.m. in the Union will feature original works by young poets. Any member of the audience may participate.

Highlights of the Festival will include a concert by noted folk singer Leon Bibb (8 p.m., April 3 in the Union Main Ballroom) with a coffee hour following; a "Preview of the Metropolitan Opera Season" by Boris Goldovsky, representative of the opera company, on Thursday, April 5 at 11:30 a.m. in Northrop Auditorium; and a sale of original art and craft objects all day Friday, April 6 at the Union.

● BIENNIAL ELECTIONS OF THE STATE EMPLOYEES RETIREMENT ASSOCIATION (SERA) RESULTED in the election of Robert J. Brown, Department of Conservation, and Berdine Erickson, Rochester State Hospital, to the Board of Trustees.

● THE GROWTH OF THE UNIVERSITY -- ITS WIDE VARIETY OF FIELDS, EQUIPMENT, AND LEARNING situations -- is the subject of a WCCO-TV special to be telecast Thursday, April 5 at 9:30 p.m. The Mines Experiment Station, dentistry, journalism, the Hydraulics Laboratory, classes in Russian, humanities, and ROTC are among areas to be featured on the half-hour program produced by James Dooley and Robert Sjöholm of WCCO-TV. You will want to see this.

The University of Minnesota STAFF BULLETIN is published twice monthly, October through May, by the Department of University Relations, 213 Administration Building, Minneapolis 14, Minn. Subscription free copies mailed to staff members. Non-staff member subscription rate: \$1.80. Second-class postage paid at Minneapolis, Minnesota.

William L. Nunn, Director Elizabeth Fuller, Editor Advisory Committee: University Public Information Council

● THE YEAR 1962 MARKS THE CENTENNIAL OF ONE OF THE GREATEST OF OUR AMERICAN EDUCATIONAL landmarks, the signing into law by President Lincoln of the Land-Grant Act of 1862. Proposed by Senator Justin S. Morrill of Vermont, the Act provided federal lands for the establishment of "at least one college in each state where the leading object shall be, without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and mechanic arts, in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions of life."

Under the Act, 30,000 acres of land were allocated for every representative and senator in each state (Minnesota received 120,000 acres). The income from the sale of the lands established a permanent endowment for the colleges designated by their state legislatures to receive the aid and to function as Land-Grant institutions.

Senator Morrill fully understood the meaning of education to the "industrial classes." His father was a blacksmith, and his own education ended when he was 15. It was largely through his eloquence on the subject of education "for all who earn bread by their own labors" that the bill was first passed by Congress in 1859. President Buchanan vetoed it, giving as a reason that he thought it was unconstitutional. President Lincoln was in sympathy with the idea of education for common people for he was one of them and he quickly signed the bill.

Knowledge for use became one of the central ideals of the Land-Grant tradition. The Morrill Act itself was the culmination of movements in American life toward utilization of all natural and human resources, people as well as lands and minerals. The Act was the beginning of a nationwide system of colleges and universities designed to meet the unique challenges of life in America. No, or almost no, tuition, an open door for all who qualified, and the selection according to desire to learn rather than heredity, occupation, or economic status, were all inherent in the terms of the Act itself.

Today, there are 69 Land-Grant colleges in the U. S. and Puerto Rico. These institutions award over 40% of all the doctoral degrees in this country; 20 of the 38 living Nobel Prize winners educated in America graduated from Land-Grant schools. The ROTC program continues to supply trained leaders as an integral part of military defense. More than 81% of the B. A. degrees and all of the graduate degrees conferred in agricultural fields are given by Land-Grant institutions. One-third of the college-age population, a total of more than 500,000 resident students, matriculate at these 69 schools. An additional 110,000 take extension courses, and more than 45,000 Americans enroll in correspondence courses yearly through Land-Grant colleges and universities.

The contributions made to the life of the community and the state, as well as the far-reaching national and international significance of these schools, cannot be overlooked. The Land-Grant institutions continue to meet the challenges and demands of modern education; through their commitment to the four basic goals of the Land-Grant Act, they have retained their resourcefulness and sense of responsibility and are compelled to grow and fill the ever-increasing need for knowledge, research and services.

"More than any other single influence, the Land-Grant tradition has shaped the pattern of higher education in America today," wrote James Lewis Morrill, president emeritus of the University of Minnesota, in The On-Going State University. This influence is spreading as the need for practical education, available to the many, increases in South America, Great Britain, Canada, and elsewhere in the world as institutions of higher learning depend more and more on public moneys for support.

The inevitability of increasing demands on the educational facilities, the tools of research, and the talent in our Land-Grant colleges and universities is uppermost in the minds of educators. That the Land-Grant institutions must continue to play their role in promoting educational excellence in a free society, under a democratic government is paramount. John Cowles, Sr. of the Minneapolis Star and Tribune has said, "By pushing back the frontier of ignorance the Land-Grant colleges have contributed so much to the building of modern America that one cannot imagine what our country would be like had they not come into being."

University of Minnesota Calendar of Events

APRIL, 1962

MINNEAPOLIS SYMPHONY CONCERTS

Subscription Series

Northrop Auditorium, 8:30 p.m.

April 20 -- Szymanowski "Stabat Mater" (Debut) with University Chorus and soloists. (Single tickets \$3.50 to \$4.75. Reservations may be made at 106 Northrop.)*

Twilight Concerts

Northrop Auditorium, 4:30 p.m.

April 15 -- St. Olaf Choir (First part orchestral).
 April 22 -- All Request Program (originally scheduled March 11.) (General Admission \$1.25. Sale of tickets opens at 3:30 p.m. in Northrop Box Office the day of the concert.)

UNIVERSITY ARTISTS COURSE

Masterpiece Series

Northrop Auditorium, 8:30 p.m.

April 4 -- Van Cliburn, pianist (Sold Out).
 April 25 -- National Ballet of Canada (Sold Out).

MUSEUM SUNDAY PROGRAMS

Museum of Natural History Auditorium, 3 p.m.

April 1 -- "Space and Gravitational Research" color and sound films.
 April 8 -- "Lobstering Down East Maine" with Elmer Albinson, Director, American Swedish Institute, Minneapolis.

SPECIAL CONCERTS

April 7 -- "Pageant of Nations", 8 p.m., Northrop Auditorium. (Adult tickets \$1.25; students, 50¢)
 April 26-69 -- Third Annual Bach Festival: April 26 -- Professor Heinrich Fleischer in organ recital. 8:30 p.m., Northrop Auditorium.
 April 27 -- Orchestral-Choral Concert featuring the Twin City Chorale, 8:30 p.m., Northrop Auditorium. (Tickets \$1.50 and \$2.00 on sale at 106 Northrop.) † *
 April 28 -- Chamber music, 3:30 p.m., Architecture Court.
 April 28 -- "Bach as a Biblical Interpreter" by William Scheide. 8:30 p.m., Architecture Court.
 April 29 -- "St. Matthew Passion", 3:30 p.m., Northrop Auditorium. (Single tickets \$1.50 and \$2.00.) † *

†Season tickets for concerts April 27 and April 29, \$2.50, \$3.00.

UNIVERSITY THEATER PRODUCTION

Scott Hall Auditorium

April 12, 13, 18, 19, 20, 8:00 p.m.;
 April 14, 21, 7:00 and 10:00 p.m.;
 April 17 and 22, 3:30 p.m. -- Bertolt Brecht's *The Private Life of the Master Race* in an English adaptation by Eric Bentley. (Single tickets \$1.50 on sale at the Scott Hall Box Office.)

CONVOCATIONS

Northrop Auditorium, 11:30 a.m. (unless specified)

April 2 -- 11:30 a.m. and 12:30 p.m. "Preview of Creative Arts Festival events by students, faculty and staff members."
 April 5 -- Boris Goldovsky previews the Metropolitan Opera spring season.
 April 5 -- 12:30 p.m. "The Reality of Terror", Dickey Chapelle, foreign correspondent.
 April 12 -- Charter Day Address by President Emeritus James Lewis Morrill.
 April 26 -- "The United Nations and the Congo Problem", His Excellency Sir Muhammad Zafrulla Khan, Permanent representative of Pakistan to the United Nations.

MUSIC DEPARTMENT PROGRAMS

April 10 -- Edina-Morningside High School Band, 11:30 a.m., Northrop Auditorium.
 April 13 -- "St. John's Passion" by Bach. University Chamber Singers. 8:30 p.m., Northrop Auditorium.
 April 27, 28 -- Opera Workshop presents "Cosi fan tutte", 8:30 p.m., Scott Hall Auditorium. (General Admission \$1.00 at Scott Hall Box Office.)

SPECIAL LECTURES

April 4 -- "Psychology of the Individual", Gordon W. Allport, professor of psychology, Harvard University, 3:30 p.m., Murphy Hall Auditorium.
 April 6 -- "A Single-cell Analysis of the Primate Visual System", Dr. Russell L. DeValois, associate professor of psychology at Indiana University, 3:30 p.m., Room 35 Architecture.
 April 10 -- "Rock Magnetism as a Geologic Tool", Dr. James Balsley, U.S. Geological Survey, 7:30 p.m., Murphy Hall Auditorium.
 April 16 -- Joseph Warren Beach Annual Memorial Lecture by Mrs. Robert Lowell. 8 p.m., Museum of Natural History Auditorium.
 April 27 -- "Inscriptions and Manuscripts at Mt. Sinai", Ihor Sevcenko, professor of Byzantine History at Columbia University, 8:30 p.m., Museum of Natural History Auditorium.

UNIVERSITY TELECASTS

Seen on Channel 2, KTCA-TV

Monday, 9 p.m. -- "History of Western Civilization", with John B. Wolf.
 9:30 p.m. -- "The World of the Teenager", by the Graduate School Research Center.
 Tuesday, 9 p.m. -- Religion in Asian Societies", with Robert F. Spencer, Professor of Anthropology.
 Wednesday, 9 p.m. -- "At Home with Music" by the Department of Music.
 Thursday, 9:30 p.m. -- "Town and Country" with Ray Wolf.

SIGNIFICANT UNIVERSITY BROADCASTS

KUOM, 770 on the dial

Monday, Wednesday, 6:30 p.m. -- "Democracy in America."
 Saturday, 4 p.m. -- "Minnesota Theater of the Air", beginning Shakespeare's second historical tetralogy:
 April 7 -- Richard II, Part I
 April 14 -- Richard II, Part II
 April 21 -- Henry IV, Part I (First half)
 April 28 -- Henry IV, Part I (Second half)
 Monday, April 16-Thursday, April 19, 11 a.m. and 2:30 p.m.; Friday, April 20, and Saturday, April 21, 11 a.m. and 2 p.m. -- Lenten Music Festival.

UNIVERSITY GALLERY EXHIBITIONS

Through April 6 -- Lawrence Hanson: M.F.A. Thesis Exhibition. (Seminar Gallery.)
 Through April 7 -- John Rood Sculpture Collection.
 Through April 23 -- The Nineteenth Century: 125 Master Drawings.
 Through May 1 -- Pottery.
 Through May 1 -- International Graphic Arts Society.
 April 16-May 13 -- First Midwestern Exhibition of Belgian painters.

ATHLETIC DEPARTMENT EVENTS

Home Baseball Games

Delta Field

Single games 3:30 p.m.; Doubleheaders 1 p.m.
 April 20 -- State College of Iowa
 April 21 -- State College of Iowa (2)
 April 27 -- Michigan State
 April 28 -- Michigan (2)
 (Tickets at gate only. Adults \$1.00; children under 16, 25¢.)

Tennis

University Courts

April 7 -- Iowa State University, 1:30 p.m.
 April 16 -- Carleton College, 1:30 p.m.
 April 24 -- Wichita University, 1 p.m.

*Tickets for these events are available at the Field Schlick Ticket Office, St. Paul, and the Downtown Ticket Office, 188 Northwestern Bank Building, Minneapolis, on Monday of the week prior to the performance.



● THE OUTMODED INADEQUACIES OF THE UNIVERSITY'S MANUAL SWITCHBOARD WILL BE CORRECTED May 13 when a new electronic system goes into effect. More than 2,700 Minneapolis and St. Paul campus telephones (all except those on the hospital switchboard) will become part of Centrex Direct-Inward-Dialing.

Because it is completely electronic, Centrex eliminates talking to the operator. Individuals calling the University dial directly, using the campus prefix (373 for Minneapolis, 647-3 for St. Paul) and the extension number. There are only 54 incoming trunks on the present switchboard; now Centrex, in effect, makes an incoming line out of each extension. University operators who now contend with over 2,000 busy signals a day, and a perpetually jammed switchboard, will handle only calls that require special assistance.

The Centrex system is being installed by the Northwestern Bell Telephone Company at a cost of \$1,430,000. The only cost to the University is normal connection and rental fees for telephones in service. The University will actually save money, Roy V. Lund, Asst V Pres and Dir (Plt Serv) says. All equipment will be housed in a Bell Company building at 7th Avenue and 6th Street, S.E., relieving over-crowded University space. New telephones can be added as needed, for example in the West Bank buildings, without expense to the University, Mr. Lund reports.

Michigan State University, The Ohio State University, and Pennsylvania State University have installed Centrex systems. Purdue University has had a form of Centrex since 1934. Within one year, 95% of the calls made to the University should be dialed direct, according to estimates based on the experiences of other schools, state and city offices, and business firms.

All staff members are invited to attend a Centrex slide lecture to learn how Centrex will improve telephone service and make it easier to get calls. These lectures will be held each hour at 8:30, 9:30, and 10:30 a.m.; and at 1:30 and 2:30 p.m. in the following locations on the dates indicated:

MINNEAPOLIS CAMPUS

| | <u>April 30</u> | <u>May 1</u> | <u>May 2</u> | <u>May 3</u> | <u>May 4</u> |
|-----------|-----------------|--------------|--------------|--------------|--------------|
| Morning | Murphy Aud | 123 Burton | Murphy Aud | Murphy Aud | 101 Wesbrook |
| Afternoon | 4 Mech Engr | Murphy Aud | Murphy Aud | 5 Folwell | 201 Wesbrook |

| | <u>May 7</u> | <u>May 8</u> | <u>May 9</u> | <u>May 10</u> | <u>May 11</u> |
|-----------|--------------|--------------|--------------|---------------|---------------|
| Morning | Mayo Aud | 123 Burton | 320 Coffman | 215 Cooke | Mayo Aud |
| Afternoon | Mayo Aud | Murphy Aud | 101 Wesbrook | 50 Arch | Mayo Aud |

ST. PAUL CAMPUS*

| | <u>May 7</u> | <u>May 8</u> | <u>May 9</u> | <u>May 10</u> | <u>May 11</u> |
|-----------|--------------|----------------|--------------|---------------|---------------|
| Morning | No Meeting | No Meeting | Coffey Aud | 110 Peters | Coffey Aud |
| Afternoon | Green Aud | 125 Vet Clinic | Green Aud | 202 Agron | Coffey Aud |

*There will also be morning and afternoon meetings Friday, May 4, in Coffey Auditorium.

A supplementary staff directory containing the new extension numbers will be distributed to staff members prior to the switch-over, according to Mr. Lund.

● THE MINNESOTA CITIZENS' COMMITTEE FOR AMENDMENT NO. 2, A NON-PARTISAN COMMITTEE named by Governor Elmer L. Andersen with Mrs. Charles Hymes and Dr. Charles W. Mayo as co-chairmen, is developing a program of public education on the principal benefits of this proposed amendment to the State Constitution, to be accepted or rejected by Minnesota voters in November, 1962.

The provisions of the Amendment are: (1) long-term borrowing for state buildings with 60% approval of the legislature; (2) short-term borrowing against expected receipts; (3) use of the state's credit for possible subsequent re-lending to municipalities. The amendment would enable the state to borrow temporarily or to make loans up to 20 years for "buildings and improvements of a capital nature when authorized by a 3/5ths vote of both branches of the legislature."

The present state debt limit of \$250,000 was established by the State Constitution drawn up in 1857 (Article IX, Sec. 5). In 1958 the State Supreme Court ruled that borrowing beyond this fixed limit had become "merely a subterfuge for evading...the debt limitation." In 1960 the Court ruled that laws enabling borrowing in excess of \$250,000 should be declared unconstitutional.

The actual building indebtedness of the State of Minnesota is \$190 million; \$120 million of this has financed buildings for state institutions. These certificates of indebtedness are supported by taxation according to the value of real and personal property in the state, without limit as to rate or amount. In order to stay within present constitutional confines, these certificates cannot be called general obligations, but are dependent on the "special fund" theory: that is, collecting funds through certain fees and taxes, placing them in a special fund, and from it meeting interest installments due on the debt. This theory was first applied in 1909 when a new prison building was needed at Stillwater, and the debt limit had already been exceeded.

In 1923, one-half of the iron ore occupation tax was earmarked for a permanent trust fund for building debts, making sizeable annual accumulations which were used to finance state certificates of indebtedness. A constitutional amendment in 1956 rechanneled the ore tax portion into immediately expendable money for the University of Minnesota, the state colleges, grade and high school systems. This provision has caused an annual shrinkage from \$2.5 million to \$6 million per year in the trust fund. Val Bjornson, State Treasurer, has pointed out that funds which support pension programs for teachers, state employees, city and county workers should not have to subsidize building needs, nor should they be drained to pay building loan interests through "borrowing" from them. These funds, he observes, should be invested to earn all they can, and thus perpetuate the programs for which they were established. Financing long-time public improvements, buildings for schools, hospitals, state institutions, and colleges should not be provided by current tax revenue, Mr. Bjornson says, since these buildings last for years, and continue to be assets, yet the State is forced to pay for them at a high and unadvantageous interest rate, a rate much less feasible than a private citizen's home mortgage loan privilege with its term and interest provisions which spread payments over 20 years or more.

The State's continuing to borrow from its own funds through the special fund method, and diverting funds from one source to support another, is a means of avoiding the debt limit which the State Supreme Court has ruled must be met. The State Board of Investment (composed of the governor, the attorney general, the state auditor, the state treasurer, and a representative of the University's Board of Regents) has acted as both borrower and investor. According to Governor Andersen, as borrower the Board wants and needs the lowest interest rate obtainable; as investor, it wants and needs the best return on the capital to be invested. The Governor, as a member of the Board of Investment, has felt this dilemma strongly.

Amendment No. 2 will provide Minnesota with the constitutional means for borrowing funds at a low rate of interest, subject to 60% legislative approval. Millions of dollars could be saved yearly, proponents of the Amendment say. Funds set aside for specific state programs would not become part of the loan machinery financing buildings; the provisions are flexible enough to allow for changing needs and conditions, yet are closely controlled by each citizen's representatives in both branches of the state legislature. As Dr. Charles W.

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Mayo observes, "The limitation of state debt to conditions which prevailed 100 years ago is ridiculous...I have faith in the majority rulings of our legislature and its committees, as representing the best interests of our people in keeping spending within just and equitable limits."

Short-term borrowing, particularly sensible in state financing where many funds have seasonal highs and lows, would mean easier access to funds for a few weeks at a low interest rate (less than 1% - 1.2%) according to the State Board of Investment. Governor Andersen says, "Amendment No. 2 is a sound, necessary step when viewed from every aspect. By providing for legal financing of state buildings through a 60% favorable vote in both houses of the legislature, it guarantees adequate protection as to spending levels established."

The Citizens' Committee for Amendment No. 2 feels that while lending to municipalities (townships, school or other districts) is not particularly applicable today, since these districts can issue bonds and borrow advantageously on the open market, it is a wise provision. It is quite possible that long-range needs, particularly in an emergency, might make this desirable.

Committee members point out that large-scale borrowing has been made possible in other areas of state finance. Farm credit in the 1920's, the World War II bonus in 1948 (amounting to \$84 million), borrowing for highways (up to \$150 million), and for airports were made exempt from the state limit by Constitutional amendments, and unquestionably established as general obligations of the state. The one major segment of state financing still bound to the 1857 restriction is the building program.

As Mrs. Charles Hymes, co-chairman of the Committee, observes, "In order to meet the important demands of our times and technology, we must pass Amendment No. 2. For unless this Amendment...passes, not a brick, nor stick, nor stone can be added to any state educational institutions for expansion, remodeling, or rehabilitation of any building." The 1961 legislature authorized a \$33,400,000 state building program to meet immediate state needs. None of this necessary building, Mrs. Hymes reports, has been started. The only building projects in progress at any state institutions are those which were financed by legislative action in 1957 and 1959, she says, yet state building projects put \$28 million into circulation last year. Voters will not have another opportunity to amend the Constitution until November, 1964, if Amendment No. 2 does not pass. This means no more state building for at least another two years, Mrs. Hymes warns. Since only the means could be implemented through specific amendment at that time, it would probably mean a delay of yet another year before building could begin. If the 1963 legislature authorizes additional building, the amount agreed upon will only be added to the programs already on paper, the Committee says. There is now no means for state building in Minnesota.

Without Amendment No. 2, the picture is indeed dark, comments William Stevenson, state Commissioner of Administration: the University of Minnesota, the state colleges, all state schools, hospitals, and corrective institutions will be unable to meet their demands; the shortage of qualified teachers, particularly elementary teachers, will become more acute as state college enrollments continue to surpass capacities; the mentally ill, the retarded children, and those needing special education for the physically handicapped will be placed on ever-lengthening waiting lists; juvenile delinquents will receive little psychological care or rehabilitation training (already there are 200 of these youngsters on probation because there is no place to put them); a proposed 100-bed addition to the Soldiers' Home will be indefinitely postponed; and state parks and recreational facilities will lag behind projected development schedules, meaning loss to Minnesota in revenue and tourist business. Lt. Governor Karl Rolvaag says, "Minnesota cannot afford to curtail education and institutional care and expansion as we prepare to cross the technological frontier of the years immediately ahead. If we are to progress, we need Amendment No. 2."

The Minnesota Veterinary Medical Association, the Minneapolis Star and Tribune, the State Coordinating Committee on Education (composed of representatives from Minnesota's seven major educational organizations), the League of Women Voters, various units of both major political parties, the Minnesota Employers' Association, and many more groups and organizations have already endorsed Amendment No. 2. The building trades, union groups, and the architectural associations are also in favor of it.

University of Minnesota Calendar of Events

MAY, 1962

SPRING SEASON OF THE METROPOLITAN OPERA

Northrop Auditorium

- May 16 -- *Lucia Di Lammermoor* by Gaetano Donizetti. 8 p.m.
May 17 -- *La Forza Del Destino* by Giuseppe Verdi. 8 p.m.
May 18 -- *Madame Butterfly* Giacomo Puccini. 8 p.m.
May 19 -- *Tosca* by Giacomo Puccini. 1:30 p.m.
May 19 -- *Così Fan Tutte* by Wolfgang Amadeus Mozart. 8 p.m.
May 20 -- *The Girl of the Golden West* by Giacomo Puccini. 1:30 p.m.
(Single tickets \$10, \$8, \$6, and \$4. Advance subscription by mail order only. Over-the-counter ticket sale will begin May 7. Opera ticket office is 106 Northrop.)*

CONVOICATIONS

Northrop Auditorium, 11:30 a.m.

- May 3 -- Education Day; "American Education: The Search for a Tradition" by Henry F. May, Professor of History, University of California at Berkeley.
May 10 -- "Telling Everyone about Science" by Dean Athelstan Spihaus of the University's Institute of Technology and Commissioner of the U. S. Science Exhibit, Century 21 Exposition.
May 11 -- Engineers Day; "Satellites and the Unity of Science" by J. R. Pierce, Director of Research, Communications Principles, Bell Telephone Laboratories, Incorporated.
May 24 -- Cap and Gown Day; Address by I. M. Kolthoff, Chief of the University's Division of Analytical Chemistry.

SPECIAL LECTURES

- May 1 -- "The Energetics of Muscular Contraction and Its Biochemical Basis," Wilfried Mommaerts, Professor of Medicine and Physiology, University of California at Los Angeles, 3 p.m., 323 Zoology.
May 4 -- "Reuters -- Telling the U. S. and the World about Each Other" by Julian Bates, Manager for North American Services, Reuters Ltd. of London, 2:30 p.m., Murphy Hall Auditorium.
May 11 -- "Dissonance and Comparison Processes in Projection" by Dana H. Bramel, Assistant Professor of Psychology, University of Minnesota. 3:30 p.m., Murphy Hall Auditorium.

SPECIAL CONCERTS

Northrop Auditorium, 8 p.m.

- May 6 -- Brotherhood of Faiths Choral Festival.

UNIVERSITY THEATER PRODUCTIONS

Young People's Theater

Scott Hall Auditorium

- May 12, 10:30 a.m. and 3:30 p.m.; May 13, 3:30 p.m. -- *Rumpelstiltskin* by Charlotte Chorpenning.
(Single tickets 50¢ on sale at the Scott Hall Box Office.)

Studio Theater

- May 2, 3, 4, 5, 8 p.m.; May 6, 3:30 p.m. -- *The Governess* by Allan Tate.
(Single tickets \$1 on sale at the Scott Hall Box Office.)

Arena Theater

- May 9-12 -- German play, "Die biberpelz" by Gerhard Hauptmann.
May 17-19 -- Spanish plays, "El Retablo de las Maravillas" by Cervantes and *El Retabillo de Don Cristobel* by Lorca.
May 24-26 -- French play, *La Sauvage* by Anouilh.
(Single tickets \$1; they may be purchased at the door or at the language department offices.)

MUSIC DEPARTMENT PROGRAMS

- May 1 -- Organ Recital by Peter Nygaard. 11:30 a.m., Northrop Auditorium.
May 4 -- University Chorus and Solo Chor with Symphony Orchestra. 8:30 p.m., Northrop Auditorium.
May 11 -- Spring Band Concert by the University Concert Ensemble. 8:30 p.m.
May 13 -- University Symphony Orchestra. Duncan McNab, soloist. 4:30 p.m., Northrop Auditorium.
May 25, 26 -- *The Libretto* by Don Gillis and *The Mighty Casey* by William Schuman, presented by Phi Mu Alpha and Sigma Alpha Iota. 8:30 p.m., Scott Hall Auditorium. (General Admission tickets sold at door.)
May 27 -- Music Department Commencement. 4:30 p.m., Northrop Auditorium.

UNIVERSITY TELECASTS

Seen on KTCA-TV, Channel 2

- Monday, Thursday, 9 p.m. -- History of Western Civilization with Professor John B. Wolf.
Tuesday, Friday, 9 p.m. -- Religion in Asian Societies with Professor Robert F. Spencer.
Monday, 9:30 p.m. -- The World of the Teenager, by the Graduate School Research Center.
Wednesday, 9:30 p.m. -- Modern Art with Peter Busa, Visiting Lecturer in Art.
Thursday, 9:30 p.m. -- Town and Country with Ray Wolf.

UNIVERSITY GALLERY EXHIBITIONS

- Through May 13 -- First Midwestern Exhibition of Belgian Painters. Extended to May 27 -- Pottery. Extended to May 27 -- International Graphic Arts Society.
May 14 - June 4 -- 1962 Student Show, Department of Art.
May 17 - June 1 -- The Heart of India (Photographs by Steven Trefonides.)

ATHLETIC DEPARTMENT EVENTS

Home Baseball Games

Delta Field

- May 11 -- U of Wisconsin, 3:30 p.m.
May 12 -- Northwestern (2), 11 a.m.
May 25 -- U of Iowa, 3:30 p.m.
May 26 -- U of Iowa (2), 1 p.m.
(Tickets sold at gate only -- except May 12 if advance Sports Day ticket is purchased. Adults, \$1; children under 16, 25¢.)

Spring Sports Day, May 12

- Baseball -- Northwestern (2), 11 a.m.
Tennis -- Alumni, 1 p.m.
Football -- Intersquad Game, 2 p.m.
(Advance tickets admit holders to all events. Adults, \$1; children under 16, 50¢; staff-student with Athletic Privilege Cards, 75¢. Single tickets sold at gate: Baseball, adult ticket \$1, children under 16, 25¢; Football, adult ticket, \$1.50, children under 16, 75¢; Tennis, no charge.)

Golf

University Course, 1 p.m.

- May 10 -- Carleton College

Track

Northrop Track

- May 4 -- Northwestern, 2:30 p.m.
May 26 -- U of Iowa, 2 p.m.
May 30 -- Northwest Open, 10 a.m. and 1 p.m.*
(Single tickets sold at gate. Adults, 75¢; children under 16, 25¢.)

*No charge for admission.

Tennis

University Courts

- May 8 -- U of Iowa, 1 p.m.
May 12 -- Alumni, 1 p.m.
May 16 -- U of Indiana, 1 p.m.
May 17 -- Big Ten Meet, 9 a.m.
May 18 -- Big Ten Meet, 9 a.m.
May 19 -- Big Ten Meet, 10 a.m.

*Tickets for these events are available at the Field Schlick Ticket Office, St. Paul, and the Downtown Ticket Office, 188 Northwestern Bank Building, Minneapolis, on Monday of the week prior to the performance.



● THE 1604-160, A NEW LARGE-SCALE ELECTRONIC COMPUTING SYSTEM RECENTLY PURCHASED from Control Data Corporation of Minneapolis, will be installed this summer in the University's Numerical Analysis Center on the Minneapolis Campus.

This powerful system places the University as a leader among institutions with modern computational facilities, President O. Meredith Wilson says. All academic departments, ranging from the physical to the social sciences will use the system for faculty and graduate student research, and for graduate and undergraduate instruction. The present computer, in use since 1958, is rapidly becoming inadequate for present and future needs, Marvin L. Stein, Dir (Num Anal Ctr) says. This older system will be sold in parts, with some components retained for use in research and instructional projects.

A satellite system, the 1604-160 consists of two computers, a large computer (1604) to do complex problem solving, and a desk-size high speed model (160) which quickly accomplishes the more menial functions, puts the information on tape or cards, and feeds it into the larger machine to be used in arriving at a solution. Both computers use Control Data's magnetic tape unit 1607 to communicate directionally, to store information, and to buffer data to a 1,000 line-per-minute printer. A reader and punch system round out the installation.

Lawrence A. Liddiard, Res Asst (Num Anal Ctr) explains that such a satellite system has three main functions: arithmetic problem solving, storage of information, and input-output by means of the printer, reader, and punching system. "Since the Center will probably use the 160 to feed information into the larger machine, the tape, punch, reader and printer equipment will usually be used on the smaller computer, leaving the larger one free for more complex problem work," he reports.

The outstanding advantages of the 1604-160 system are (1) a storage capacity of over one and a half million bits of information, compared to less than 47,000 in the present facility; (2) a speed ten to 100 times that of the older machine, depending on the problem; (3) transistor rather than vacuum tube operation to decrease the space needed for the equipment; (4) ease and speed in programming; (5) handling of up to 100,000 instructions a second; and (6) recall of a bit of information in about two millionths of a second.

The system is worth \$1,500,000; an educational discount from Control Data made the purchase price about \$1,000,000, which was financed by a \$500,000 grant from the National Science Foundation, a \$250,000 legislative appropriation, and a grant from Control Data. Until the University's system is installed, the Center is scheduling about ten hours of work weekly on machinery installed at Control Data.

● THE UNIVERSITY OF MINNESOTA IS SIXTH IN THE COUNTRY IN THE NUMBER OF STUDENTS WHO go on to become medical doctors, a study published by the U. S. Public Health Service reports. The top ten schools providing the largest number of prospective doctors are: Harvard, University of Michigan, New York University, University of Illinois, Columbia University, University of Minnesota, University of California, University of Texas, University of Wisconsin, and the University of Indiana.

● THE ONGOING STATE UNIVERSITY BY PRESIDENT EMERITUS JAMES LEWIS MORRILL HAS BEEN included in a list of books recommended to help regents and trustees of colleges and universities carry out their responsibilities. The list, compiled by a group of educators under the direction of Dexter H. Keezer of the McGraw-Hill Publishing Company, is being circulated widely to members of college and university governing boards. Dr. Morrill's book was published by the University of Minnesota Press in 1960.

● **WHAT CAN CLOSED CIRCUIT TELEVISION DO? SOME ANSWERS TO THIS QUESTION ARE PROVIDED** by Burton Paulu, Dir (Radio and TV Broadcasting) who recently studied closed circuit TV, its use, costs, and objectives at Michigan State University, Pennsylvania State University, New York University, and The Ohio State University.

These four universities -- three Land-Grant and one private -- face problems familiar to those at the University of Minnesota: rising enrollments, shortage of top-level faculty, limited space, and inadequate funds. Three of the schools (Michigan, Pennsylvania, and Ohio State), after considerable experimentation, found partial solutions to aspects of these problems in closed circuit TV. On the other hand, New York University decided that it would not prove advantageous in its particular situation.

Closed circuit TV, according to Dr. Paulu, can be used to magnify small details, to provide visual aids within a classroom, and to bring teachers closer to their students in a large class in a large room. Teachers and students in different buildings, on different campuses, even in different cities can be brought together through closed circuit TV. The best teacher may be made available to more students, both in live and video-taped presentations. Teachers have more time for other courses, for seeing students individually, and for research and other work; and, also, they do not have to repeat lectures.

Dr. Paulu feels that better teaching of more students is a proper and realistic objective for closed circuit TV, and one quite applicable at the University of Minnesota. He observes that television is seldom justified as a way of saving money. "If there are two hundred or more students in a class," he says, "there may be savings, but only incidentally. Teaching the most students the best possible way must remain the prime purpose behind the use of closed circuit TV in the classroom."

● **UNIVERSITY STUDENTS VISITED 114 STATE HIGH SCHOOLS MARCH 19-23 AS REPRESENTATIVES** of the Visitations Program sponsored by the Orientation Office and the Freshman Cabinet. Leon Rottman, Asst Prof (SAB) says 570 schools were contacted this year, and that the program nearly doubled in participation over last year.

Each high school suggested graduates now attending the University which it would like to have speak. In some cases a panel of two or more students was requested. A training session was held by the Orientation Office to give the selected students pertinent information about the Program and the University.

The Visitations Program includes the Twin Cities suburban schools, four private high schools, several St. Paul schools, and, for the first time this year, University High School. Participating University students represented every school and college except Mortuary Science and Pharmacy. Graduate students and resident counselors were included as well as campus leaders and undergraduates who have never before participated in a University-sponsored activity, Mr. Rottman reports.

● **A REPORT ON DEGREES CONFERRED BY THE ELEVEN UNIVERSITIES WHICH FORM THE COMMITTEE** on Institutional Cooperation (CIC) has been compiled by the University of Minnesota's Bureau of Institutional Research under the direction of John E. Stecklein. A summary of the report, Portfolio Series, No. 2, February, 1962, C.I.C. REPORTS, is now available in limited supply. Interested staff members may call (373-2054) or write Vice President Stanley J. Wenberg, 237 Administration Building, for a copy.

The University of Minnesota STAFF BULLETIN is published twice monthly, October through May, by the Department of University Relations, 213 Administration Building, Minneapolis 14, Minn. Subscription free copies mailed to staff members. Non-staff member subscription rate: \$1.80. Second-class postage paid at Minneapolis, Minnesota.

William L. Nunn, Director Elizabeth Fuller, Editor Advisory Committee: University Public Information Council

● THE REASSIGNMENT OF ADMINISTRATIVE RESPONSIBILITIES TO VICE PRESIDENTS MALCOLM M. Willey and Stanley J. Wenberg was put into effect this spring to tie together various student personnel and University relationship functions and activities and to make available to the President a major administrative officer whose chief responsibilities involve the development of educational planning and programming.

Mr. Wenberg's title, formerly Vice President and Administrative Assistant, is now Vice President, Educational Relationships and Development. Mr. Willey's title, Vice President, Academic Administration, has not changed.

President O. Meredith Wilson says the need for a major officer to work directly with deans and faculty members has become increasingly apparent. Vice President Wenberg is now responsible for the Office of Dean of Students, the Office of Admissions and Records, the Department of Student Unions, the University Health Service, and the Department of University Relations -- all of which were previously under the jurisdiction of Vice President Willey. The newer functions of educational planning and programming are now carried out by Vice President Willey.

President Wilson points out that Mr. Willey's attention is being directed toward the many internal educational matters which involve the central administration. He feels that the assignment of new educational responsibilities to Mr. Willey ties his function more closely to his title than has been true in the past. "Such an academic officer," the President observes, "especially in an organization so vast should be concerned directly with educational problems and planning. Vice President Willey's staff responsibilities and authority relate him very closely with my office."

For many years, according to President Wilson, the University of Minnesota has been distinguished for its long-range physical planning, but less progress has been made in overall educational planning, and the linking of such planning to physical growth and the community. "This lack," he reports, "has been due in part to the fact that no specific person has been designated to take such responsibility. Only the President has been thought to have sufficient authority to work with deans and faculties in developing educational programs, formulating instructional needs, and relating these needs to physical planning." The President of the University, Dr. Wilson feels, because of his many commitments, no longer has time to give detailed and continuing attention to these vital matters. "It is to Mr. Willey that I am turning for this important assistance," the President says. The University Libraries, the Museum of Natural History, the Reserve Officers Training Corps Units, and the Department of Concerts and Lectures will continue to report directly to the Academic Vice President.

When Mr. Wenberg's post was established two years ago, it was intentionally left partially undefined to permit greater flexibility in working out the pattern of central responsibilities, President Wilson explains. As a member of the central administrative team, his initially assigned duties included frequent and systematic communication with members and committees of the state legislature, closer coordination of the University's relationships with other educational institutions and organizations, as well as responsibility for the Department of Athletics and Physical Education for Men, the Greater University Fund, and development programs in the process of formation.

The new grouping of administrative functions should, in President Wilson's opinion, help strengthen University relationships generally. Since a student begins to become an alumnus the day he is admitted to the University, the President feels what happens to him on campus, his relationships within the University, and the contact maintained with him when he graduates and becomes part of the large body of voters who are supporters directly and indirectly of the University should be tied together. It is this sort of coordinated effort that Vice President Wenberg and the departments responsible to him are undertaking.

The Faculty Consultative Committee of the University Senate, the Senate Administrative Committee, and all administrative officers whose departments have been involved in the shift of responsibilities were part of the discussion and review of administrative functions which preceded the changes. "All," says President Wilson, "agree that this administrative shift is desirable and will add strength to the functioning of the central administration and particularly to the President's office."

● DISCOVERY OF WHAT MAY BE THE SMALLEST KNOWN STAR WAS ANNOUNCED THIS MONTH BY Willem J. Luyten, Prof and Chm (Astron). The new star is called a White Dwarf because of its size and blue-white color; it is smaller than the moon and much hotter than the sun. Professor Luyten discovered it on photographic plates taken with the 48-inch Schmidt telescope of the Mt. Palomar Observatory in California. His discovery was confirmed by comparing plates taken 11 years apart, which showed that the star has a rapid motion across the sky and is about 100 light years or 600 million miles from the earth.

The new White Dwarf, called the LP 327-186 (L stands for Luyten, P for Palomar, and the figures indicate the star's location in the sky) lies in the constellation Taurus or the Bull, not far from the cluster Pleiades or the Seven Sisters. It is more than 60,000 times too faint to be seen by the naked eye. There are 500 known White Dwarfs, more than 400 of which have been found by Professor Luyten.

● EDMUND G. WILLIAMSON, DEAN OF STUDENTS, HAS BEEN NAMED RECIPIENT OF THE 1962 Nancy C. Wimmer Award by the American Personnel and Guidance Association. The \$1,000 Award cited Dean Williamson for organizing the first integrated program of student personnel services in the country. The University of Minnesota program has served as a model for colleges and universities throughout the world. The Wimmer Award is given annually for outstanding initiative or leadership in establishing, developing, or improving guidance and counseling practices.

● FIVE NEW RESEARCH GRANTS TOTALING \$482,126 HAVE BEEN AWARDED TO THE UNIVERSITY BY the United States Public Health Service. Eugene Ackerman, Assoc Prof (Biophys) will do a study of computer processing in bio-medical systems under a grant for \$112,723, and Dr. Archie H. Baggenstoss, Prof (Path) will do research in cellular and subcellular pathology under a \$98,484 grant. Drs. Ackerman and Baggenstoss are faculty members at the Mayo Foundation in Rochester.

A hemodynamics study by a radiographic technique will be financed by a \$34,324 grant to Dr. Kurt Amplatz, Asst Prof (Radiol); Dr. Murray J. Murray, Asst Prof (Med) will receive \$17,188 for a study of azygos venous system in portal hypertension; and John Spizizen, Prof and Head (Microbiol) has been granted \$8,200 for studies on the minimal viral replicating unit.

● TWO UNIVERSITY SCIENTISTS HAVE BEEN AWARDED POSTDOCTORAL FELLOWSHIPS OF \$5,000 each by the National Science Foundation (NSF) for a year of advanced study and research. Robert J. Oakes, Res Asst (Phys) will study at Stanford University, and Dr. E. E. Crandall, Physiol (Mayo) plans to study at the University of Paris, France.

● THE FOLLOWING STAFF MEMBERS ARE AMONG RECIPIENTS OF REGENTS' SCHOLARSHIPS FOR spring quarter day classes: James C. Anderson, Sr Acct Clk (Bus Off); Robert L. Bollinger, Prin Voc Ther (Phys Med and Rehab); June B. Checklund, Lib Asst (Math-Phys Lib); Carl V. Cockrell, Sr. Lab Tech (Oph); Wayne W. Daley, San (Health Serv); Diane M. Ducharme, Sec (SAB); Grace E. Engler, Jr. Scien (Lab Med); Judith Gilbert, Gen Staff Nurs (U Hosp); Carolyn M. Gottneid, Lib (Lib); Theodore C. Haugen, Sr Gen Mech (Plt Serv-Duluth); Lilian Huehnert, Sr Lab Tech (Path); Lennie F. Hystad, Clk Typ (Stu Pers Serv-Duluth); Karin Jungquist, Jr Scien (Neur); Janice Kleinhuisen, Gen Staff Nurs (U Hosp); Maureen E. Locke, Sr Sec (Sch Bus Adm); Carol J. Malmstrom, Sr Clk (Bus Off); Alfred R. Martin, Sr Engr Asst (Plt Serv); Dorothy McAllister, Sec (Kirby Ctr-Duluth); Philip Morean, Prin Acct Clk (Bursar); Edwin R. Nelson, Bldg Care (Plt Serv-Duluth); Arlowen C. Pflaum, Clk Typ (Plcmt Off); Janice Rosse, Sr Clk Typ (Ag Ext); Sharon Ann Salzman, Gen Staff Nurs (U Hosp); Lorraine M. Salzman, Sr Sec (Pres Off); Gretchen L. Stechmann, Sr Clk (Lib); Hubert J. Thibodeau, Jr Engr (Plt Serv); Mildred E. Tuggle, Sr Food Serv Supv (Pioneer Hall).



● A SUMMARY OF GIFTS TO THE UNIVERSITY FROM 1851 - 1961 HAS BEEN PREPARED BY THE Office of the Vice President, Business Administration. The report consists of a break-down of gifts by decades, and a more detailed account by year from 1952 - 1961.

Expendable gifts (cash); capital gifts (cash, securities, or real estate given to the University as an endowment for a special purpose such as non-expendable student loans, buildings, or other permanent improvements); and plant funds are included in each part of the summary. Over 70% of all gifts has been expendable gifts, a total of \$54,057,381.74. Nearly 30% of the gifts has been capital funds, a total of \$23,074,852.72. Of this amount, .6% or \$466,611.33 has been in loan funds and 12.3% has been in plant funds for building construction, improvements or basic necessary equipment in buildings.

The total value of gifts to the University in the period 1851 - 1890 was \$150,500 all in plant funds. During the decade 1891 - 1900, gifts amounted to \$69,875. The first capital gifts, a total of \$10,000 for student aid, were received in this period. The first expendable gifts, marked for education and research, were acquired between 1901 and 1910. These totalled \$3,600. During this same 10-year span, capital gifts increased to \$479,550. From 1911 - 1920 gifts totalled over \$2.25 million, compared to almost \$6.5 million in the single year 1961. Gifts amounting to over \$40,292,534 between 1951 - 1960 represent 52.2% of the total gifts received by the University since its founding.

● OVER 2118 HIGH SCHOOL STUDENTS, MOST OF THEM JUNIORS OR SENIORS, WILL HAVE VISITED the Minneapolis campus during spring quarter. This number includes 818 who have registered with the Department of University Relations, and 1300 who were guests of specific colleges at planned functions.

Nearly 500 of the students participated in E-Day activities as guests of the Institute of Technology; the College of Medical Sciences' Careers Committee sponsored a campus visit for over 200 students; the Women's Auxiliary of the Ramsey County Medical Society and the Altrusa Club arranged a "See It in Action Day" for 270 St. Paul students who had indicated an interest in some phase of health work; around 200 Future Teachers of America attended Education Day events; and over 100 students recently spent a day at Frazer Hall learning about legal education, preparation for it, and the practice of law.

Students from Minnesota colleges will also visit the University in special groups such as that invited by the College of Medical Sciences each spring. Between 100 and 200 individuals who have received preparatory training in some phase of medicine are expected this year. Other professional schools also invited college students to see what is available in particular fields of study at the University.

● THE SENATE COMMITTEE ON FUNCTIONS CORDIALLY INVITES ALL FACULTY MEMBERS AND THEIR families to attend Commencement at 7:30 p.m. (not at 8:00 p.m. as in previous years), June 9. Complimentary parking tickets are available from the Department of University Relations, 213 Administration Building for those who wish to attend the colorful ceremonies.

A buffet supper in the Game Room and on the adjacent Terrace at Coffman Union is also open to faculty members preceding Commencement. Supper will be served from 4:45 to 6:30 p.m. Tickets may be purchased from the Department of University Relations at \$2.00 per person.

● THIS SPRING THE UNIVERSITY'S GENERAL COLLEGE MARKS ITS THIRTIETH YEAR OF SERVICE. When it opened in the fall quarter, 1932, General College had 436 students and a staff of two. Today the student body numbers 3,000 and the college has a full-time-equivalent teaching staff of 55.

During its 30 years, the College has had only two chief administrators: Dr. Malcolm S. McLean, Director from 1932 to 1940, and Dr. Horace T. Morse, Director from 1940 to 1946, and the Dean from 1946 to the present. Begun as an experiment in education, GC was intended for students whose needs could be met by no existing service of the University. President Coffman brought Malcolm McLean, a University graduate, back from the University of Wisconsin at Milwaukee to head the new two-year division.

The idea of providing "as far as possible, the very best program for an individual student, a program he could get nowhere else" has, according to Dean Morse, remained the primary objective of the College since its inception. This is the basis for its curriculum. Alfred L. Vaughan, Assoc Dean and Prof (GC) points out that a student in GC has "an entirely elective curriculum, planned to give him the maximum for his time and money." Dean Vaughan says students who have shown aptitude for work not offered in GC can be admitted to courses through other colleges of the University, a great advantage to students who would like to study languages, or other specialized subjects, but who cannot plan a four-year program.

GC was founded on the tradition that any Minnesota high school graduate can go to the state university. "Marginal students," says Dean Morse, "who would be notably unsuccessful in another division of the University compete with themselves, on their own terms." "Even a C or D student can be profiting a great deal from his association with the college," Dean Vaughan points out. "If a student shows he is not gaining anything, he is dropped. Many students are dropped, and not on the basis of grades alone," he adds.

One of the many strengths of GC is its fine counseling program. "Actually, the University counseling system owes a great deal of its program to experimental work done in GC," Norman Moen, Assoc Prof (GC) says. Dr. Williamson has done such work, and has, over the years, helped re-define, trim, and polish procedures. Both Deans agree that this activity has been one of the keys to the College's success.

Perhaps the greatest strength of the College, according to Dean Morse, comes from its teachers. There is probably more emphasis on effective teaching in GC than anywhere else in the University, he says. "We are able to promote and upgrade faculty members on the basis of good classroom performance, weighted by teacher effectiveness." The enthusiasm and personal interest of the teachers are a bonus of this system, Dean Morse feels. Courses, partly because of the methods and stimulating use teachers make of educational materials, are used by students in other divisions of the University with good results. Each course is designed to help a student integrate and retain knowledge, he says.

The General College Comprehensive Examination is another innovation. "It is unusual for schools of this type to give such a test of knowledge," Dean Morse reports. Students take the examination when they matriculate, and different forms of it at the end of their first and second years. The Associate of Arts degree awarded at the end of two successful years is determined by scores in seven curricular areas. Five of these must be in the top 25% of comparative group scores.

Most students do not transfer to four-year programs. Those who do transfer, however, are successful, Dean Morse says. Many students go into on-the-job training, or to specialized training schools. "We like to feel that they are bound to be better at their work, whether it be secretarial or mechanical, because of the exposure to and appreciation for the things around them gained here," he says.

For the student who has lost his way, GC provides a place to recover faith in his abilities; for "the people about whom the politicians speak," as Dean Morse defines them, it gives immediately useful instruction; and through counseling and the development of new techniques in instruction and examination, it continues to give the student a sense of himself as an individual, and of his important share in society.

● **FACULTY MEMBERS WHO INTEND TO PARTICIPATE IN THE FACULTY RETIREMENT PLAN PROVIDED** for under the terms of the Mills Bill (Salary or Annuity Option) for the academic year 1962-63 may begin participation effective September 16. Authorizations must be received by the Department of Insurance and Retirement by September 5. Additional information may be obtained from the Department, 218 Administration Building, Extension 2115. September 16 is the annual date on which faculty participation will be re-opened.

● **THE UNIVERSITY AT MORRIS CHORUS WILL SING AT THE SEATTLE WORLD'S FAIR ON MINNESOTA** Day, June 12. The group has raised funds to cover transportation and expenses by giving area concerts.

● **THE NEWS SERVICE ASKS STAFF MEMBERS TO KEEP IT INFORMED ABOUT THEIR ACTIVITIES** in research, teaching, travel, and special projects. News Service would like to continue keeping area newspapers well-informed about individuals and their work during the summer as well as through the school year.

● **TWENTY-FIVE FACULTY MEMBERS WILL BE LIVING ABROAD DURING THE 1962-63 ACADEMIC** year teaching, studying, doing research, establishing new departments in other universities, and participating in new programs in underdeveloped countries.

The faculty members and the countries to which they are going are: Dr. John L. McKelvey, Prof and Head (Obstet and Gyn), Singapore; Werner Levi, Prof (Pol Sci), Hawaii; David K. Berninghausen, Dir (Lib Schl), Taiwan; Harry W. Kitts, Prof (Ag Ed), Thailand; J. Campbell Craddock, Assoc Prof (Geol), Antarctica; May Brodbeck, Prof (Phil), Italy; Joseph J. Kwiat, Assoc Prof (Eng), Austria; Aram Vertanian, Assoc Prof (French), France; Ernest R. G. Eckert, Prof and Dir (Thermodynamics and Heat Trans, Mech Engr), Germany; Richard A. Narvaez, Asst Prof (Rom Lang), Colombia; William E. Wright, Assoc Prof (Hist), Austria; George R. Blake, Prof (Soils), Germany; Lawrence E. Goodman, Prof (Aero Engr), England; Edward P. Mey, Prof (Phys), Australia; Maurice M. Kreevoy, Assoc Prof (Org Chem), England; Paul J. Kellog, Assoc Prof (Phys), France; Gerhard K. Kalisch, Prof (Math), France; Roy E. Carter, Jr., Dir (Journ'Res), Chile; Fred H. Blum, Assoc Prof (Interdis Stud), England; Lee W. Chattenberg, Assoc Prof (Path), England; Pearl C. Niemi, Assoc Prof (Slav and Orient Lang), England, Paris, and Finland; Paul Andersen, Prof (Civil Engr); India; Rupert I. Murrill, Assoc Prof (Anthro), Greece and East Africa; Louise A. Stedman, Dir (Schl of Home Ec), Paris.

● **THE EIGHTH ANNUAL ROBERT FLAHERTY FILM SEMINAR WILL BE HELD JUNE 18-28 AT THE** Center for Continuation Study on the Minneapolis campus. The seminar will be presented by Film Seminars, Inc.

Initiated eight years ago as a memorial to Robert Flaherty, pioneer in documentary films and creator of such works as "Nanook of the North", "Moana", and "Man of Aran", the Seminars provide an opportunity for "film makers, scholars, and students to explore the art of the film and its growing world role," 1962 Seminar director George Amberg, Prof (Interdis Stud) reports. Films of exceptional merit are shown, most of them documentaries, but other works are included.

The 1962 Seminar, supported by a grant from the Hill Family Foundation of St. Paul, will study over 95,000 feet of film left over from the production of Flaherty's classic, "Louisiana Story." The Hill grant will also help finance salvage of the film's original footage and its transfer to permanent film. Duplicate prints of portions of the film will then be available through the Audio Visual Extension Service.

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William L. Nunn, Director Elizabeth Fuller, Editor Advisory Committee: University Public Information Council

University of Minnesota Calendar of Events

JUNE, 1962

BACCALAUREATE

Northrop Auditorium, 3 p.m.

June 3 -- "The Meeting of the Sacred and the Secular" by Dr. Granger E. Westberg, Associate Professor of Religion and Health, School of Medicine and The Divinity School, University of Chicago.

COMMENCEMENT

Northrop Memorial Stadium, 8 p.m.

June 9 -- President Wilson.

FIRST TERM SUMMER SESSION EVENTS

Northrop Auditorium, 8 p.m.

June 10 -- Minnesota Music Teachers Association Honor Students Concert. 7:30 p.m.
 June 12 -- Minneapolis String Quartet with Norman Carol, violinist.
 June 14 -- Harry Lorayne and Renee, "The Marvels of Memory."
 June 15 -- Minneapolis String Quartet Demonstration Program, 10 a.m., 4 Scott Hall.
 June 19 -- Summer Session Orchestra conducted by Thomas Nee.
 June 26 -- Summer Session Orchestra conducted by Kurt Adler.
 July 3 -- Organ Recital with Heinrich Fleischer.
 July 5 -- "The Reality of Terror" by Dickey Chapelle, foreign correspondent.
 July 10 -- Fiesta of Latin Dance with Alex Bereshyn.
 July 12 -- Summer Session Commencement.
 July 13 -- *Missa Solemnis* by Beethoven; Robert Shaw conducting.

UNIVERSITY SHOWBOAT PRODUCTIONS

Monday, Tuesday, Wednesday, 8 p.m.
 Thursday, Friday, Saturday, 7 and 10 p.m.

June 13 - July 7 -- *Rip Van Winkle*, University of Minnesota
 July 9 - 21 -- *Merry Wives of Windsor*, University of Minnesota
 July 23 - 28 -- *Merry Wives of Windsor*, Harriet Island, St. Paul
 August 6 - 11 -- *Rip Van Winkle*, Harriet Island, St. Paul
 August 6 - 11 -- *Rip Van Winkle*, University of Minnesota
 August 13 - 18 -- *Merry Wives of Windsor*, University of Minnesota
 August 20 - 25 -- *Rip Van Winkle*, University of Minnesota

(Single tickets, \$2; counter sale opens June 1 at the Scott Hall Box Office.)

SIGNIFICANT UNIVERSITY BROADCASTS

KUOM, 770 on the dial

June 11 - July 13 -- Nationalism and Social Change in Asia, 11 - 11:50 a.m. Monday - Friday. (Special Course 199; may be taken for credit)
 Mondays, beginning June 11 -- Significant Speeches, 7 - 8 p.m.
 Wednesdays, beginning June 13 -- The Poet Reads with Robert Lowell, Stephen Spender, Karl Shapiro, John Berryman. 7-8 p.m.
 Wednesdays, beginning July 4 -- The Many Faces of Language, 7 - 8 p.m.

UNIVERSITY GALLERY EXHIBITIONS

8:30 a.m. to 4:30 p.m., Monday through Friday

Through June 4 -- 1962 Student Show: Department of Art

June 11 - August 17 -- Great Book Illustrations of the 15th and 16th Centuries

June 18 - August 17 -- B.J.O. Nordfeldt: 1878 - 1955

MUSIC DEPARTMENT PROGRAMS

Scott Hall Auditorium

June 1 -- Noel Robinson Vocal Recital; 8:30 p.m.

June 3 -- Jane Moening Vocal Recital; 8:30 p.m.

SPECIAL EVENTS

June 12 - July 12, Tuesday and Thursdays - Educational Film Program in Nicholson Hall Auditorium, 3 - 4:30 p.m.
 June 14 -- Golf Clinic for men and women. Norris Gymnasium, 2 p.m.
 June 20 -- "The Exploratory Approach to Movement" by Elsie Bockstruck, Department of Physical Education for Women. Room 153 Norris Gymnasium, 2 p.m.
 July 10 -- Demonstration in synchronized and ballet swimming. Room 58 Norris Gymnasium, 2 p.m.

SPECIAL ACTIVITIES

Coiffman Union

Every Thursday beginning June 21 -- University Band Concerts on the Terrace. 12-1 p.m.
 Every Monday beginning June 18 -- Square Dancing in front of the Union. 7:30-10:30 p.m.

*Tickets for these events are available at the Field Schlick Ticket Office, St. Paul, and the Downtown Ticket Office, 188 Northwestern Bank Building, Minneapolis, on Monday of the week prior to the performance.