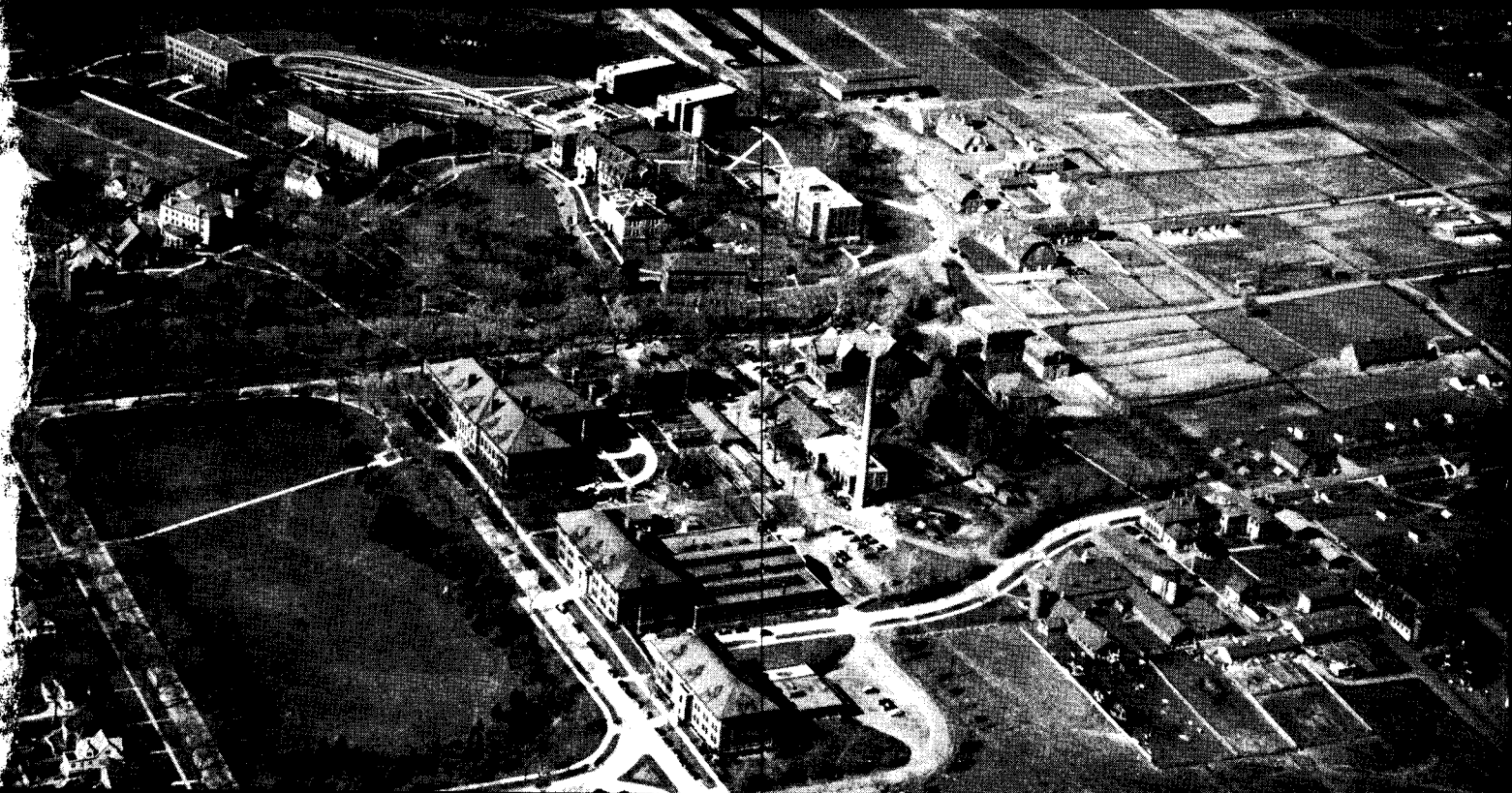




THE MINNESOTAN

Published for Staff Members of the University of Minnesota



VOLUME I

October 1947

NUMBER 1

OCTOBER 15 TO NOVEMBER 15

The University of Minnesota Calendar of Events

CONCERTS: MINNEAPOLIS SYMPHONY ORCHESTRA (Northrop Auditorium)

- *Oct. 24—Gala Opening Concert, 8:30 P. M.
Oct. 26—Felix Witzinger, Pianist. Twilight Concert. 4:30 P. M.
Oct. 31—Marian Anderson, Contralto. 8:30 P. M.
Nov. 1—Marian Anderson, Contralto. Special Concert. 8:30 P. M.
Nov. 8—Vronsky and Babin, Duo-Pianists. 8:30 P. M.
Nov. 14—Louis Krasner, Violinist. 8:30 P. M.

CONCERTS: UNIVERSITY ARTISTS COURSE (Northrop Auditorium)

- Nov. 3—Philadelphia Orchestra. Eugene Ormandy, Cond. 8:30 P. M.

SIGNIFICANT UNIVERSITY BROADCASTS

- KUOM. 12:15-12:30 P. M., 2:00-2:15 P. M., 3:15-3:30 P. M., News-casts. Monday through Friday.
4:30-4:45 P. M., United Nations News. Monday through Friday.
1:00-1:30 P. M., University of the Air. Monday through Friday.
KSTP. 11:30-11:45 A. M., Consumer Clinic. Every Saturday.
10:30-11:00 P. M., University Forum of the Air. Oct. 20.
9:00-9:30 A. M., Fred Waring. Salute to the University. Nov. 7.
WCCO. 3:30-4:00 P. M., Darragh Aldrich. University guest. Every Thursday.
10:15-10:25 P. M. E. W. Ziebarth. News. Monday, Wednesday, Friday.

LECTURES (Museum of Natural History Auditorium)

- Oct. 22—Gaston Berger, "French Philosophy in 1947." 3:00 P. M.
Nov. 2—Howard Cleaves, "Wild Animals at Night" (Illustrated by motion pictures). 3:00 P. M.
Nov. 9—Walter J. Breckenridge, "Minnesota Water Fowl" (Illustrated by motion pictures). 3:00 P. M.
Oct. 16—Dr. George W. Corner, "Multiple Births in Man." (Sponsored by the Minnesota Human Genetics League of the Dight Institute) 8:30 P. M.
Oct. 20—Dr. C. P. Rhoads, "Clinical Investigation of Neoplastic Disease." (George Chase Christian Cancer Lecture) 8:00 P. M.

CONVOCATIONS (Northrop Auditorium, 11:00 a. m.)

- *Oct. 16—Stefan Osusky, Diplomat. "Is Peace Between the U. S. and Soviet Russia Possible?"

CONVOCATIONS—Continued

- *Oct. 23—George Freedley, Dramatic Critic. "Two Seats on the Aisle."
*Oct. 30—Arthur H. Compton, Educator. "The Path to Peace."
*Nov. 6—Bernard De Voto, Author. "The Easy Chair."
*Nov. 13—Edward Tomlinson, Correspondent. "Battle for the Hemisphere."

EXHIBITIONS (University Gallery, Northrop Auditorium)

- Sept. 29-Oct. 29—Materials and Tools of Art.
Oct. 6-Oct. 31—University Press. Twenty Years of Publishing.
Oct. 13-Nov. 2—War's Toll of Italian Art.
Nov. 3-Nov. 28—American Indian Painting.

UNIVERSITY PRESS PUBLICATION DATES

- Nov. 15—"Historic Midwest Houses," John Drury.
Nov. 15—"The Diver," E. L. Mayo.

UNIVERSITY THEATRE (Scott Hall Auditorium)

- Oct. 20-25—8:30 P. M., Oct. 26—4:00 P. M.
"Lysis/rata," Aristophanes. "Oedipus the King," Sophocles.
Nov. 10-15—8:30 P. M., Nov. 16—4:00 P. M.
'The Wild Duck,' Henrik Ibsen.

ATHLETIC EVENTS (Football Games at Home)

- *Nov. 1—Pittsburgh, 2:00 P. M.
*Nov. 8—Purdue, 2:00 P. M.

FOREIGN FILM SERIES (Northrop Auditorium, 4:00 and 8:00 p. m. Admission by membership card, purchased from Visual Education Service.)

- Oct. 15—"Schrammeln," German film with English subtitles.
Oct. 29—"Flor Silvestre," Spanish film with English subtitles.
Nov. 12—"Pageant of Russia," Russian film with English subtitles.

SPECIAL EVENTS

- Nov. 1—Dads Day Dinner, 5:30 P. M. Coffman Union Main Ballroom.
Nov. 7—Homecoming Dinner, 6:00 P. M., Coffman Union Main Ballroom.

*Programs also broadcast over KUOM.

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COPIES ARE ON SALE AT THE UNION BOOK STORE

Photographs throughout this issue of The Minnesotan were taken by the University Photographic Laboratory.

1,343,000 PEOPLE A YEAR

CONCERTS AND LECTURES *make friends for the University*

UNLESS over 1,343,000 people a year are wrong, programs sponsored by the Department of Concerts and Lectures are among the most popular and appreciated services of the University. Programs arranged both on campus and around the state attract this huge audience from 11 nearby states and even from Canada.

And the people who make up these audiences really value the efforts of Director James S. Lombard and his fellow staff members. Letters come in every week to the office in Northrop auditorium thanking the department and the University for making cultural opportunities possible at such reasonable prices.

Organized in December, 1945, by action of the Board of Regents, the department has divided its work into five main parts.

"Four of the divisions," says Mr. Lombard, "are especially important from the point of view of staff and students on campus—commencement and baccalaureate speakers, convocation programs, summer session programs and the Artists Course. The off-campus division is the Community Program Service."

THE Artists Course series of concerts, a sellout for the past two years, was, according to Mr. Lombard, originally planned for only staff and students of the University. Because of the high quality of the artists and the low prices charged for season tickets, the general public now purchases many of the tickets. Staff and

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Gathered around James S. Lombard for a discussion of fall programs are David Simonds, Alma G. Dugas, Edgar Drake and Clifford W. Menz.

students, however, are being encouraged to take advantage of these famous names in the musical world by being given first chance on new ticket applications.

This year, the Artists Course will present in Northrop Memorial Auditorium the Philadelphia Symphony Orchestra, John Charles Thomas, Zino Francescatti, Vladimir Horowitz, Rhythms of Spain and Florence Quartaro.

To further serve the staff and students, Concerts and Lectures this fall has arranged for an entirely new type of entertainment series aimed directly at campus music lovers.

This Master Piano Series includes five concerts by famous pianists. The music for which they are best known

will be played by Claudio Arrau, Rosalyn Tureck, Bartlett and Robertson, Artur Schnabel and Robert Casadesu.

STAFF members unable to get season tickets for the Artists Course were favored in this new series. Campus ticket sales were opened a full three weeks before the general public was allowed to purchase seats.

In addition to these concerts, each spring the University, through the Department of Concerts and Lectures, in cooperation with the Minneapolis Orchestral Association, presents the Metropolitan Opera company of New York. Twenty thousand people from all over the Upper Midwest attend.

Convocation programs are arranged

by Mr. Lombard himself, who takes a long list of suggestions with him when he goes on his frequent talent-hunting trips.

"An advisory committee—Paul M. Oberg, chairman of the Music Department, William S. Cooper, professor of Botany, and Jacques A. Fermaud, associate professor of Romance Languages—keeps me reminded of artists the staff would like to hear," says Mr. Lombard.

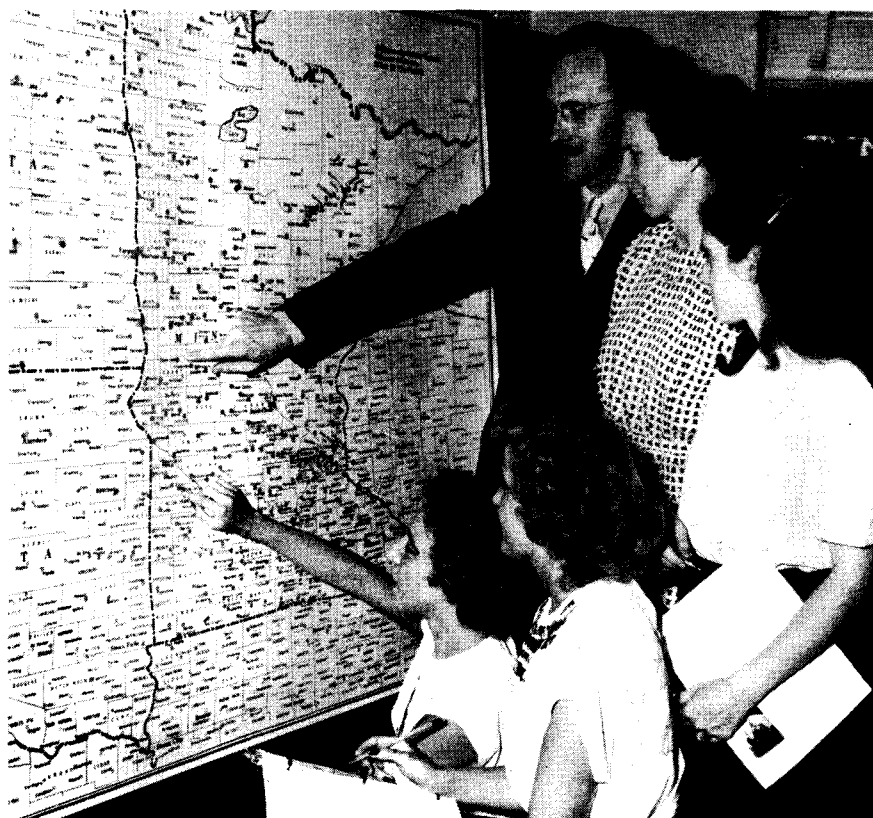
"Students and staff members not on the committee often have suggestions which I am glad to follow up. My big problem, though, is to find listed talent which is available—and that is just as difficult when signing up Artists Course stars and performers for our entire program."

A HELP to Mr. Lombard's contacts in the educational entertainment world is his editorship of *Talent*, the magazine of the International Platform Association. He does this with special permission of the Regents, and so keeps in touch with the other professional workers in his field who make up the organization's membership.

Convocation programs are broadcast each week over KUOM, the University radio station. This year George Freedley, theatrical reviewer, and Dr. Arthur Compton of Washington University at St. Louis will be featured during the fall quarter program.

Summer session brings no break in the activities of the Department of Concerts and Lectures. All summer convocations and special lectures must be planned and produced and other free entertainment and music arranged for, giving the summer session staff and students a full program of activities.

Working with Mr. Lombard on the plans for all these programs are his assistant, Edgar Drake, and Alma G. Dugas, secretary.



Donna Albricht and Janet Jacobson in front, T. E. Stall, Agnes Heir and Shirley Daffer standing, gather around the department's map which shows where community programs are presented.

From many points of view the off-campus work of the department is even more interesting. Through the Community Program Service division more than 3,000 programs are presented in cities and towns throughout Minnesota, the Dakotas and Western Wisconsin. This division sends out speakers, musicians and educational entertainment of all kinds for use at school and college assemblies, club meetings and community-sponsored programs.

Clifford W. Menz, community concert and lecture adviser, T. E. Stall, school program adviser, and David Simonds, their assistant, have the important job of traveling through this four-state area helping groups select and arrange bookings for these presentations.

THE University, by grouping these speakers and artists together in a series and enabling them to perform to many audiences in the state, has so lowered the price of these fine programs that first-rate cultural entertainment now reaches the entire state.

The Community Program Service also operates a Loan Play Library which has copies of 4,000 plays, all available to schools, clubs, churches and other community groups. Earl Mundt, former University Theatre member in charge of the library, also gives advice to amateur playgivers.

University staff members in the Community Program Service Division are Agnes Heir, assistant to Mr. Lombard; Donna Albricht, Shirley Daffer and Janet Jacobson, clerk-stenographers.



Twenty staff members honored by President Morrill, Regents

CERTIFICATES of Merit in recognition of their years of service to the University were awarded twenty staff members—fifteen academic and five Civil Service—at a special ceremony on June 27.

President James L. Morrill presented the Certificates of Merit and The Hon. Fred B. Snyder, Chairman of the Board of Regents, spoke in the first annual presentation of the Certificates. They recognized those men and women who by their years of service and devotion to the University have contributed so greatly to its growth.

Certificates of Merit winners and the year they joined the staff are:

Samuel C. Lind, dean and professor, Institute of Technology, 1926; Anton Alfson, Civil Service staff member, 1923; William F. Braasch, professor of Urology, Mayo Foundation, 1915; Gust F. Carlson, Civil Service staff member, 1919; Edward G. Cheyney, professor of Forestry, 1905; Alvin S. Cutler, professor of Civil Engineering, 1907.

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David Danielson, Civil Service staff member, 1917; Charles H. Dow, assistant professor of Civil Engineering, 1918; Julius A. Felt, instructor, West Central School and Experiment Station, Morris, 1918.

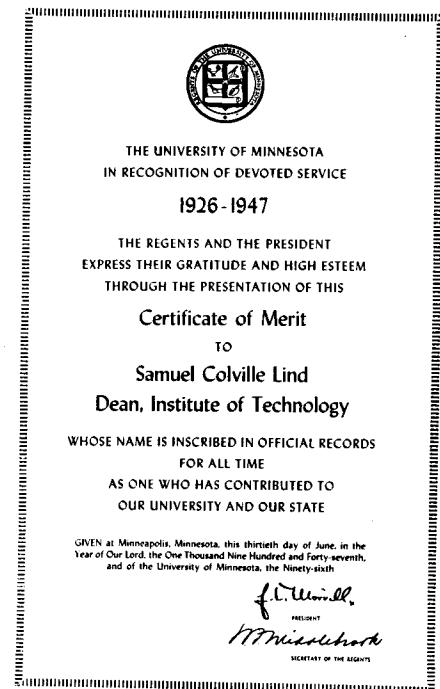
Charles D. Freeman, clinical assistant professor of Medicine, 1913; Herbert Z. Giffin, professor of Medicine, Mayo Foundation, 1915; Florence L. Goodenough, professor, Institute of Child Welfare, 1925; Martin Knudsen, Civil Service staff member, 1918; Cecil A. Moore, professor of English, 1917; Marbury B. Ogle, professor and head, Department of Classics, 1934.

Ruth Raymond, professor of Art Education, 1918; John P. Schneider, associate professor of Medicine, 1915; Frederick L. Smith, assistant professor of Surgery, Mayo Foundation, 1922.

Hall Brewer White, assistant professor of Agricultural Engineering, 1903; and Emma Zeman, Civil Service staff member, 1933.

Shown at the Certificates of Merit ceremony are, front row, Anton Alfson, Charles H. Dow, Gust F. Carlson, Martin Knudsen, Cecil A. Moore, William F. Braasch, Hall Brewer White, Ruth Raymond and David Danielson are in the back row.

Below is a reduced photograph of a Certificate of Merit, with Dean Lind's Certificate as the example.



HEALTH INSURANCE

Group Hospitalization Plan is Boon to Staff Members

THE University of Minnesota Group Hospitalization Service is one of the most useful and widely appreciated of the projects through which the University smooths the road for its staff in times of stress.

The Group Hospitalization Service, established in 1938, now operates at a cost of \$9 a year for members without dependents and \$18 a year for those with dependents. Regular members are entitled to up to 60 days a year hospitalization, with \$4 a day board and room allowance.

During the first year of the contract, a member is entitled to benefits for a 30 day period and after that for 60 days.

The benefit allowances to dependents of members of the Group Hospitalization plan was recently increased to a maximum of 30 days a year and a daily board and room payment of \$3.

Appointees on the regular payroll become eligible upon appointment to a position which calls for three months continuous service, or its equivalent during a fiscal year. Staff members on the miscellaneous payroll become eligible for membership upon completion of six months continuous service, full time, or upon completion of the equivalent during the 12 months immediately preceding application for membership.

GROUP Hospitalization has also been extended to retired staff members and their certified dependents (dependents who are listed under the income tax law of the United States). For \$12 a year, retired staff

members receive a \$3 a day allowance for room and board, plus the other services mentioned below and are entitled to 21 days of hospitalization in any contract year.

The contract covers general nursing services, but does not provide payment for the patient's doctor. In addition to room and board, the hospitalization contract covers most of the regular services necessary in a hospital—general nursing, operating room service, anesthesia when administered by a salaried employee of the hospital, all drugs and an \$8 allowance for serums, intravenous solutions and liver extracts.

The hospitalization plan also pays for all surgical dressings, laboratory fees up to \$8 and 25 per cent of charges over \$8, X-ray service up to \$15 for accident injuries and fifty per cent of regular charges for electrocardiograms, basal metabolism and X-ray studies.

OTHER special services will be paid for to a maximum of \$25.

Not more than \$240 may be paid for any one hospitalization period.

Payments for maternity cases are on a smaller scale than those for other causes of hospitalization, and maternity cases are not eligible until 10 months after a member joins the hospitalization plan.

Treatment for tuberculosis, nervous and mental diseases is limited to 10 days in any contract year.

The patient may enter any hospital listed in the Physicians Record Company's published list of American and Canadian hospitals.

Outpatient care is provided only in case of accidental injury, in which event all services provided under terms of the contract are available to the patient. Diseases which by law may not be treated in a general hospital, and diseases for which care is provided by state or federal laws do not come under the contract.

New appointees must make application for membership in the Group Hospitalization Service within 60 days after their appointment, or wait until the next September 16 before the membership becomes effective. Staff members now on the University payroll, but not members of the plan may also apply for membership effective the next September 16.

Ray F. Archer, director of insurance and retirement, 406 Administration, Ext. 6383, is in charge of the University Group Hospitalization Service and has answers to any individual questions you may have about the plan. He also has leaflets, available on request.

Figures provided by Mr. Archer show the effectiveness with which this service operates and the great service it provides University staff members.

USING as an example the first 12 months since benefits to dependents were increased, figures show that the Hospitalization plan paid 62.2 per cent of the average total hospital bill for members in that period, and 49.3 per cent of the average bill for dependents. The over-all average was 55.5 per cent, no small aid in an emergency.

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55 years OF PROGRESS

College of Pharmacy keeps in step with the times

A STEADY, healthy expansion of services has been the keynote of the College of Pharmacy during the 55 years of its existence.

Under the direction of Dean Charles H. Rogers, the college continues to graduate competent pharmacists, both men and women, who are well-qualified to take over their ever-increasing professional responsibility.

"Physicians today," says Dean Rogers, "are becoming more and more dependent upon our pharmacists to keep them informed of new developments in pharmacology—the science of drugs. In order that graduate pharmacists might be in a position to give this information, the teaching staff of the college is always busy keeping up with new developments."

This, in addition to regular teaching duties plus the research most of the staff is engaged in makes the College of Pharmacy the center of much activity.

Originally, when the college was founded in 1892, it had but a two year curriculum. Frederick J. Wulling, for whom the pharmacy building is named, was first dean. He remained until 1936 when he retired, leaving Dean Rogers in charge.

Dean Rogers' pet research project is typical of the many problems being explored and solved by the staff of the department. He is collaborating with Earl B. Fischer, head of the



Gathered for a conference in a research laboratory are Charles O. Wilson, Virgil Magnäsen, Dean Charles H. Rogers and Taito Soine.

Pharmacognosy Department in the college.

The two have discovered that the mint family of plants—peppermint and spearmint—grows well in Minnesota's swampy peat fields where little else of commercial value can be cultivated. The mint oils are used pri-

marily for medicines and flavorings.

Plants grown in the two pharmacy gardens, on University Avenue by Sanford Hall and between Psychology and Scott Hall, are valuable for class study and research and are also available to state druggists or to hospitals

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Jars with a history—some from Napoleon's own apothecary shop. Dean Emeritus Frederick J. Wulling, left, shows Willard J. Hadley and Charles V. Netz one of the rare and colorful drug containers from the college museum.



The University and the Fair . . .

STAFF PLAYS A BIG PART IN STATE FAIR ACTIVITIES

A BIG job for a big Fair—that's what University staff members did for Minnesota's first State Fair in three years.

A Fair highlight was KUOM's new portable, soundproof radio booth in the Grandstand Building. Berten A. Holmberg, chief engineer for KUOM, and Charles M. Larson, Lawrence A. Brogger, Lawrence A. Larson, Martin W. Croze, Malcolm Faulds, Charles M. Riggle and John P. Ludwig, all of the KUOM staff, had a hand in building this new-type booth.

Assembled in 20 minutes, the circular studio will also be used for other special KUOM broadcasts. The booth, which is completely insulated, is 9 feet in diameter and 7½ feet high.

Maynard A. Speece, Josephine Bjornson, Gerald R. McKay and Harold B. Swanson—all from the St. Paul Campus—interviewed on the air 145 4-H young people and 45 county and state Extension Division staff members here for the Fair.

In addition to helping Mr. Speece and Miss Bjornson with their broadcasts, Mr. McKay and Mr. Swanson took over 100 news pictures and interviewed 300 people during Fair week.

Minneapolis Campus KUOM staff

who broadcast from the Fairgrounds were Burton Paulu, Betty Girling, Raymond Christensen, John Cole and Northrop Dawson, Jr.

Programs originating from the State Fair booth included newscasts, interviews, dramatic programs, children's programs and round-ups of State Fair news.

Probably the most outstanding feature of the State Fair was the 4-H program. State 4-H club leader A. J. Kittleson of the St. Paul Campus and his staff worked long and hard planning for and taking care of the 2,500 4-H youngsters who attended the Fair.

Glenn I. Prickett, Paul J. Moore, Bernard V. Beetle, H. A. Pflughoeft, Glen J. Johnson, Kathleen Flom, Evelyn Dose and Osgood D. Magnuson helped plan the exhibits and demonstrations which carried the club members through an exciting and educational week.

Other University staff members served as Fair judges and helped supervise exhibits. James B. Fitch, chief of the Dairy Husbandry Division, judged 4-H calves; Samuel T. Coulter, professor of Dairy Husbandry, judged butter and cheese; and Willes B. Combs, professor of Dairy Husbandry, judged butter.



Anxious to begin State Fair broadcasts from their new portable studio were Burton Paulu, Betty Girling, Northrop Dawson, Jr., Ruth Swanson and Robert Boyle. Berten A. Holmberg, swinging the hammer, and Charles M. Johnson, with his screwdriver, did much of the construction work

Alfred L. Harvey, associate professor of Animal and Poultry Husbandry, supervised the program of horse showing, while Philip A. Anderson, also an associate professor of Animal and Poultry Husbandry, was in charge of the sheep section.

Assisting with the state apiary exhibit was Mykola H. Haydak, associate professor of Entomology.

Judges for the county crop exhibits included six University staff members. Mark J. Thompson of the Duluth Experiment Station and Roy O. Bridgford of the Morris Experiment Station judged, along with Raymond C. Rose, Otto W. Swenson, Ralph F. Crim and Raymond S. Dunham, all of the St. Paul Campus.

Continued on page 15

Record Set for Staff FOOTBALL TICKETS

UNIVERSITY staff members have set another record. Marsh W. Ryman, football ticket manager, reports that 3,800 staff members have purchased season athletic tickets—tickets which entitle them to a reserved seat in the staff section for every home game.

Last year's staff sale was 3,334—466 tickets less than this season's all-time high.

The tickets issued for football will also admit staff members to basketball and hockey games. The season ticket, however, must be presented as identification for a special exchange ticket to each basketball and hockey game.

Exchanges will be issued on a "first come first served" basis the week of each game because of limited seating capacity.

Job Opportunities

DO YOU know any friends or acquaintances who would like to work at the University? If you do, and if you think they can qualify for any of the jobs listed below, ask them to come to the Civil Service Employment Office any hour during the day. Number of vacancies for each classification are listed on the right:

Women

Clerk	1
Clerk-Typist	3
Clerk-Stenographer	12

Secretary	3
Cook	5
Assistant Cook	3
Food Service Worker.....	6
Custodial Worker	3
Radio Program Supervisor.....	1
Laboratory Technologist	2
Junior Librarian	1

Men

Laboratory Attendant	4
Senior Laboratory Attendant.....	1
Senior Custodial Worker.....	7
Laborer	14
Utility Man	2
General Mechanic	1
Operating Engineer	1
Architect	1
Junior Scientist	3
Hospital Orderly	5
Laboratory Technologist.....	2

New Art Shop Added to Visual Education Services . . .



VISUAL EDUCATION Service has added another to its list of aids for University staff members.

Now available is a new art shop, located in the Visual Education offices, 3 Westbrook Hall. Departments can order any non-photographic visual aids such as charts and graphs or, if you wish, posters, paying for them through regular University channels.

The shop will be a year-around service, with Lawrence Cattron in charge. Delores Paul will assist him. Paul R. Wendt, director of Visual Education, and Peyton M. Stallings, production manager, also are available for discussion of your problems.

Visual Education also produces and loans films, makes recordings and rents out public address and movie equipment to University departments.

Paul R. Wendt and Peyton M. Stallings, left, getting first-hand information about poster making from Delores Paul and Lawrence Cattron.

BLOODLESS BATTLE

War waged against oat disease on University Farm

THERE'S a war going on at the University Farm on the St. Paul Campus. The battles won and lost do not ordinarily make headlines, but there is drama in this conflict. More important, the results influence all of us.

The battleground is the greenhouse and nurseries of University Farm. Skirm-

ishes take place at the University's Branch Experiment Stations at Morris, Grand Rapids, Crookston, Duluth and Waseca.

Led by H. K. Hayes, chief of the Division of Agronomy and Plant Genetics, over a dozen men are constantly campaigning in what seems to be a never-



ending job—developing, increasing and distributing disease-resistant varieties of oats. Not only must these oats produce a higher yield, but they also must be adapted to the different types of climate and soils in the various sections of Minnesota.

That may seem like a task soon finished. Actually, the war is never won. Better varieties must always be found, for although oat varieties grown today are resistant to important oat diseases, new strains of old diseases may occur and new diseases develop. Apparently, resistance to one disease may be lowered even as immunity to another disease is obtained. Often this results in an epidemic among one particular family of oats.

TAKE last summer, for instance. Many Minnesota farmers discovered their oats blighted in the fields, spoiled by a new disease which attacked only oats which had the Victoria variety in their parentage. Victoria blight or *Helminthosporium Victoriae*, as the disease is called, injured thousands of acres of oats and helped turn 1946, which started out to be a record oat season, into a mediocre crop year.

Even before the disease struck Minnesota, varieties and selections of oats were being tested for resistance to Hel-



Part of the state fair demonstration of oat varieties is examined by Alfred E. Eagle, Walter White and R. G. Robinson.



Matthew B. Moore, William T. Kehr and C. Lee Alexander at work in the field, tagging oat plants most immune to rust disease.

Not oats this time, but alfalfa holds the interest of H. K. Hayes, Elvin C. Stakman and Carl Borge-son.



minthosporium in the University Farm fields used as nurseries. Both the Department of Plant Pathology and the Department of Agronomy and Plant Genetics had been alerted by the United States Department of Agriculture, with which they work in cooperation.

Minnesota farmers, forewarned both by the University and the Department of Agriculture, in many cases were able to obtain and grow oat varieties that were not affected by Helminthosporium. Others, not quite so fortunate, nevertheless could follow the advice of the experts and treat their seed to prevent or reduce infection by this yield-reducing disease.

And what about these resistant varieties? How are they developed? Our research workers—Mr. Hayes, Elvin C. Stakman, Matthew B. Moore, Wilson H. Foote and William T. Kehr on University Farm are aided by C. Lee Alexander who is experimental plot supervisor, his assistant Walter White and Alfred E. Eagle, the plant pathology nursery foreman.

COOOPERATING over the state are Roy O. Bridgford at the Morris Experiment Station, Olaf C. Soine at the Crookston Experiment Station, Clement H. Griffith at the Grand Rapids Experiment Station, Robert E. Hodgson at the

Waseca Experiment Station and Mark J. Thompson at the Duluth Experiment Station.

M. L. Armour and R. G. Robinson have charge of trials on farmers' fields at about a dozen localities. Carl Borge-son of the Agronomy Department is in charge of the first increases of a new variety.

These men need a vast amount of patience in their fight for better oat crops. Even when they use the greenhouse in order to grow two crops a year, it may take as many as 30 years to perfect an improved oat variety. Eight years, a long time to most of us, is considered the minimum testing period. Yet the long wait for results is not discouraging to these soldiers of science.

In painstaking experiments involving both pure-line selection and hybridization of oat varieties, these men start with a few plants, carefully testing and selecting as they go. Years later, approved growers—members of the Minnesota Crop Improvement Association in good standing—grow the new variety on their own farms, increasing the seed so that everyone may take advantage of it.

During the process of developing a new variety, the plant breeders deliberately set out to murder it, to prove it worthless. They do this by subjecting it to the most severe tests of disease re-

sistance they can devise. Under natural conditions many seasons would pass before the new variety would be attacked by all of the many races of disease organisms. The experimenters subject it to attacks of many different races in a short time and observe its disease resistance qualities.

Only the strongest plants are chosen for further experimentation. Thus, the very best qualities in each variety are preserved.

TO give you an idea of how important this constant battle with oat diseases is to the farmer, last year in Iowa where the Helminthosporium disease struck hardest, crops were reduced as much as 50 per cent.

The average national loss each year from stem rust disease, finally under control, has been reduced to 4 per cent—which still was about 38,000,000 bushels of the 1945 crop. The smut loss also has been lowered greatly, but still ruins about 45,000,000 bushels annually.

Luckily, enough Helminthosporium-resistant oat varieties already are available in Minnesota to greatly reduce the 1948 loss, and the resulting crop increases will be due in great part to the efforts of our own University workers—men who are slowly winning the long war against oat diseases.

Winners announced

22 AWARDED SCHOLARSHIPS

THE men and women in the picture below are living testimony that University Civil Service staff members take advantage of self-improvement opportunities.

These full-time staff members are winners of Regents' Scholarships, which entitle them to take as many as six University credits this quarter in fields of study which are related to their jobs and not offered in the Extension Division. They are not required to pay tuition fees or make up time away from work.

Sixty staff members a year are awarded scholarships under this plan set up by the Board of Regents in November, 1939.

Selection of winners is made by the Civil Service Committee. Decisions are influenced by the applicant's previous service record.

The 22 winners for fall quarter are: Wayne L. Adams, laboratory assistant, Physiology; Elnore V. Anderberg, senior secretary, Personnel; Vuriel Mae Anton, clerk-stenographer, Graduate School.

Mary Ann Davis, clerk-typist, Veterans' Affairs; Lorraine E. Evenson, laboratory technician, Psychiatry and Neurology; Phyllis Fresonke, clerk-typist, Office of Dean of Students; Lorraine A. Hayashi, secretary, Extension Division; Edmund Louis Mallet, laboratory technologist, Public Health.

Christine Mathis, senior clerk-typist, Library; Elaine Mary McCormack, secretary, Speech Clinic; Wilma Monserud, artist and laboratory technician, Botany; Agnes M. Opstad, senior technologist, Human Serum Laboratory.

John D. Parrish, assistant metallurgist, Mines Experiment Station; Marlys Parsons, senior clerk-typist, Admissions and Records, St. Paul Campus; James H. Rothenberger, senior medical photographer, Dentistry; Kenneth Sandberg, poultry worker, Animal and Poultry Husbandry.

Anna M. Shelley, senior clerk, Veterans' Affairs; Arlette Soderberg, librarian, Law Library; Nobu Tanaka, secretary, Veterans' Affairs; Helen B. Wik, senior clerk, Library; Sarah H. Wrenn, student housing inspector, Students' Health Service; Dorothy Ann Young, secretary, Physical Therapy.

If you are a full-time Civil Service staff member and are interested in a winter quarter Regents' Scholarship, you may apply in Room 17, Administration.



Regents' Scholarships winners on the steps of Northrop. Wilma Monserud, Arlette Soderberg, Vuriel Mae Anton, Phyllis Fresonke and Elnore V. Anderberg are in the front row. In back are Wayne L. Adams, Edmund Louis Mallet, John D. Parrish, Sarah H. Wrenn, Lorraine E. Evenson, Helen B. Wik and Christine Mathis.

Staff Member of the Month . . .

25 years chalked up by billiard room manager

ROBERT E. CHRISTINE is a staff member with a past.

Bob, as he is known to everyone around the Union, considers his past notable chiefly because of the 25 years he's worked at the University. All of those 25 "short years" have been spent working in the old Union and in Coffman Memorial Union.

Bob started at the soda fountain in the old Union—now Nicholson Hall—at a time when all sandwiches sold for 5 cents apiece and women in the building were really stared at.

M. M. Anderson was Union director then, and after several years he gave Bob a chance to manage the 10 tables in the old Union billiard room. Those ten tables since have expanded to a 17 table, \$250 a day business in the present Union, where Bob now works for Director G. Ray Higgins.

"It's been fine, working for the University all these years," says Bob. "When the Union staff members had a surprise party to celebrate my



Staff member Bob Christine and a billiard cue. Although he is manager of the Union billiard room, Bob has never been seen playing the game.

twenty-fifth anniversary, it seemed, more than ever, that I was a member of a big, friendly family."

Remember when?

REMEMBER the "Builders of the Name" Convocation, held on February 16, 1933?

President Lotus D. Coffman gave the address and then introduced the five alumni selected to give the short biographical sketches of the persons to be honored. Their names, along with an ever-increasing list of "Builders of the Name", have been engraved on the panels in the foyer of Northrop

Memorial Auditorium, beside the names of the University founders.

As the alumni gave these sketches, the names of the builders and their photographs were thrown on the screen.

Charles L. Sommers, B.L. '90, spoke of William Watts Folwell and Thomas F. Wallace, B.A. '93, LL.B. '95, told of Cyrus Northrop.

William Sullivan Pattee was paid

tribute by William H. Oppenheimer, LL.B. '04, LL.M. '05. Gratia A. Countryman, B.S. '89, M.A. '32, spoke of Maria L. Sanford and Henry A. Erikson, B.E.E. '96, Ph.D. '08, gave a biography of Henry Turner Eddy.

REMEMBER the meeting of 300 Gopher alumni in May, 1921? A resolution was passed pledging students, staff members and alumni to subscribe \$2,000,000 for the erection of an auditorium and a stadium of which Minnesota could justly be proud.

The stadium, built as a memorial to the soldier dead of the University, was finished and thrown open to play in 1924. Northrop Memorial Auditorium was completed in 1928.

CERTAINLY you remember when the University's own song, "Hail, Minnesota" was adopted by our 1945 legislature as the state song.

The music and first verse were written by Truman Rickard as a tribute to President Northrop and as 1904 class song. Arthur Upson, class of 1905, supplied the second verse, and soon "Hail, Minnesota" became the University hymn.

We're often asked ...

What is the inscription on Northrop Auditorium?

THE UNIVERSITY OF MINNESOTA
FOUNDED IN THE FAITH THAT MEN ARE
ENNOBLED BY UNDERSTANDING
DEDICATED TO THE ADVANCEMENT OF
LEARNING AND THE SEARCH FOR TRUTH
DEVOTED TO THE INSTRUCTION OF YOUTH
AND THE WELFARE OF THE STATE

What is Northrop Auditorium's seating capacity?

Northrop seats a total of 4,841 people, 2,568 downstairs and 2,255 in the balcony. An additional 18 seats are contained in the governor's and president's boxes.

College of Pharmacy keeps in step CONTINUED

when they require vegetable drugs of a specific quality.

George Balok, "The best pharmaceutical gardener in the United States," says Dean Rogers, has been taking care of the pharmacy gardens for 20 years.

The importance of vegetable drugs has declined, however, according to Dean Rogers. Drugs such as penicilium, produced from spores or syn-

uate students. They come from all over this country and from as far as India and China. Most graduates work under Mr. Fischer in Pharmacognosy or in the Department of Pharmaceutical Chemistry under the direction of Ole Gisvold. Charles V. Netz is head of the Department of Pharmacy, the third department in the college, and probably the one most important to undergraduates, especially

New this year in the College of Pharmacy and another step in the growth of the college is the branch University library in Wulling Hall, with full-time librarian Lauramae Cutler. Although reference books have been available to staff and students, this is the first time a trained librarian has been in charge.

Other members of the College of Pharmacy staff are Charles O. Wil-



Holding a pharmacognosy session in the college garden are Earl B. Fischer, George Balok, Charles E. Smyithe, Donna Peterson and Frances Larson.



Ragnar Almin, Henry Sperling and Stewart Brokaw talking things over in the dispensing laboratory, where students learn to fill prescriptions.

thesized organic compounds, are becoming more and more influential. Still, the staff of the Pharmacy College continues to experiment with all manner of plants as well as the newer products from which drugs are derived. These men don't want to neglect any part of the research which may be valuable in saving lives.

Tributes to the ability of the College of Pharmacy staff are the grad-

if they are planning to enter the retail drug profession.

All students, both graduate and undergraduate, join the staff in enjoying the museum of rare objects collected for the college by Dean Wulling, who is still very interested in increasing the number of mortars, pestles, balances and jars—all objects linked with the long and colorful history of pharmacy.

son, associate professor; Willard J. Hadley, associate professor; Taito Soine, associate professor; Ragnar Almin, assistant professor; Charles E. Smyithe, instructor; Virgil Magnasen, teaching assistant; Henry Sperling and Stewart Brokaw, student pharmacist supervisors.

Frances Larson is senior secretary in the College of Pharmacy, and Donna Peterson is clerk-stenographer.

The University Benefits from

GIFTS AND BEQUESTS, GRANTS-IN-AID

Gifts, bequests \$3,295.65

Campus Chest: SCHOLARSHIP FUND, \$2,745.65.

National Farmhouse Fraternity: FLORENCE MUNSON WILSON MEMORIAL FUND, \$500.

Mortar Board: EMERGENCY LOAN FUND, \$40.

Wesley Foundation, University of Minnesota: RELIGIOUS ACTIVITIES FUND, \$10.

To the University of Minnesota Hospitals:
Minneapolis Traffic Club: Radiophonograph.

To the University Gallery:
Mr. Fred B. Snyder: Framed colored photograph of four generations of the Snyder family.

To the University of Minnesota Law School Library:
Mr. J. M. Fitzgerald, New York, New York: Vols. 1, 2, and 3, transcripts of proceedings in the 1946 Wage Rules case, Brotherhood of Locomotive Engineers and Railroad Trainmen.

Honorable Eamon DeValera, Dublin, Ireland: Copy of Constitution of Ireland, autographed.

Mr. William Prosser, Minneapolis: 190 numbers of legal periodicals, pamphlets and reports.

Messrs. Stinchfield, Mackall, Crouse & Moore, Minneapolis: 88 numbers of the *Minnesota Law Review*.

Grants-in-aid \$442,423.50

United States Public Health Service: \$314,827:

Training Psychiatric Nurses, \$40,241; Nurse Cadets, \$35,720; Diet Study, \$29,192; Metabolism Study, \$25,887; Mammary Cancer Study, \$25,812; Mental Hygiene Program, \$23,936; Training Psychiatric Social Workers, \$22,786; Virus Study, \$17,022; Age and Diet Study, \$16,753; Brucellosis Research, \$14,642; Pump-Oxygenator Development, \$11,217; Clinical Psychology Training, \$9,798; Anthropod-Borne Virus Study, \$9,180; Sclerotic Nerve Cell Study, \$8,669; Skeleton Metabolism Study, \$8,623; Study of Cockroaches and Food Poisoning, \$8,000; Leukemia in Mice, \$2,700; Psychiatric Training, \$2,400; Rheumatic Endocarditis Study, \$2,249.

Minneapolis General Hospital: FELLOWSHIPS, 1947-1948, \$33,833.

Minnesota State Board of Health: CANCER DETECTION CLINIC FUND, \$15,000.

Minnesota and Ontario Paper Company: COMPANY RESEARCH, \$7,500.

Research Corporation, \$4,400: FREDERICK GARDNER COTTRELL, RESEARCH ON ISOTOPES, \$2,500; FREDERICK GARDNER COTTRELL, RESEARCH ON GASES AND VAPORS, \$1,900.

St. Barnabas Hospital, \$4,140: FELLOWSHIP FUND—MEDICINE, \$1,380; FELLOWSHIP FUND—PEDIATRICS, \$1,380; FELLOWSHIP FUND—SURGERY, \$1,380.

Dr. W. T. Peyton: NEUROSURGERY RESEARCH FUND, \$3,600.

Rockefeller Foundation: AMERICAN STUDIES FELLOWSHIP, \$3,500.

Swift and Company: NUTRITION FELLOWSHIP, \$3,100.

Eli Lilly and Company: FELLOWSHIPS, \$2,400.

Minnesota Cancer Society: TUMOR RESEARCH, \$2,206.

American Philosophical Society: STUDY OF ENDOCRINE GLANDS OF THE FETUS, \$1,400.

Northwestern Hospital: FELLOWSHIP FUND—PATHOLOGY, \$1,380.

Mr. Leo Pritzker, St. Paul: MALIGNANT DISEASE RESEARCH FUND, \$1,000.

Mr. Frank A. Nelson: MRS. TILLIE NELSON FUND FOR SURGICAL RESEARCH IN CANCER, \$1,000.

Parke, Davis & Company: PHARMACOLOGY RESEARCH FUND, \$1,000.

George E. Durkee, through Dr. Clarence Dennis: RESEARCH FUND, \$500.

Freeport Sulphur Company: SULPHUR RESEARCH, \$300.

Mr. and Mrs. Jerome Hirsh, St. Paul: MALIGNANT DISEASE RESEARCH FUND, \$200.

Buford B. Curtis: HARRIET WALKER HOSPITAL ASSOCIATION FELLOWSHIP, \$100.

VARIETY HEART HOSPITAL FUND, \$37.50:

Friends of the late John M. Grathwohl, \$27; American Legion Auxiliary of Lucan, Minnesota, \$5; Mrs. George A. Schain (Ruth A.), \$5; Cassius Wainwright Currier, \$50.

The University and the Fair CONTINUED



Grouped around the KUOM microphone at the St. Paul Campus are Maynard A. Speece and Harold B. Swanson, standing. Seated are Josephine Bjornson and Gerald R. McKay.

The University fruit breeding farm at Excelsior, Minnesota, was well represented at the Fair. William H. Alderman, chief of the Division of Horticulture; Theodore S. Weir, in charge of the farm; and Walter Dummer and Roy Sauter, experimental plot supervisors, set up an educational exhibit that drew crowds of Fair-goers.

Another popular exhibit was the oat display sponsored by the Minnesota Crop Improvement Association.

William T. Kehr of the Agronomy and Plant Genetics Department helped set up part of the display.

Members of the Plant Pathology Department who worked on the oat exhibit were Matthew B. Moore, Thor Kommedahl, Donald Munnecke, Joseph M. Daly and Michael Boosalis.

Many other University staff members, although serving in no official capacity at the Fair, gave valuable and appreciated advice to exhibitors.

Housing still a BIG PROBLEM

STAFF AIDED BY SPECIAL BUREAU

THERE'S still a housing shortage for University staff members, as Robert D. Moss, director of the Staff Housing Bureau, and his stenographer, Marilee Dorn, will testify.

Mr. Moss has been especially busy during the past few months trying to get housing accommodations for all staff members who ask for help. Practically all who have come to him have

been found homes—often not ideal places, but the best available.

Now the Staff Housing Bureau is asking you to help. Families are still separated or living under extremely crowded conditions. If you know of any possible rental units available, or can rent extra rooms in your own home to other staff members, Mr. Moss is anxious to hear from you.

The Staff Housing Bureau office is in Room 4, Administration Building. The telephone number is Ma. 8177, Ext. 6436. Mr. Moss is available for consultation about building and purchasing homes, as well as renting.

Health Insurance

CONTINUED

During its 9 years of operation, the Group Hospitalization Service has paid 5,188 claims totaling \$180,110.16.

THE Hospitalization plan was originated by William T. Middlebrook, vice-president for business administration. Under his chairmanship, a committee was named to supervise the Group Hospitalization Service.

Members were Raymond M. Amberg, superintendent of University Hospitals; Wallace Blomquist, assistant to the supervising engineer; Wilbur Cherry, professor, Law School; John O. Christianson, director of agricultural short courses; Dr. Harold S. Diehl, dean of Medical Sciences; and as secretary and ex-officio member, Mr. Archer. Dean Diehl has since ceased to serve on the committee, which is otherwise still intact.

On the recommendation of this committee, approved by the president and the Board of Regents, the benefits to members and dependents have been increased on two occasions.

Duluth Branch *OF THE UNIVERSITY OF MINNESOTA*

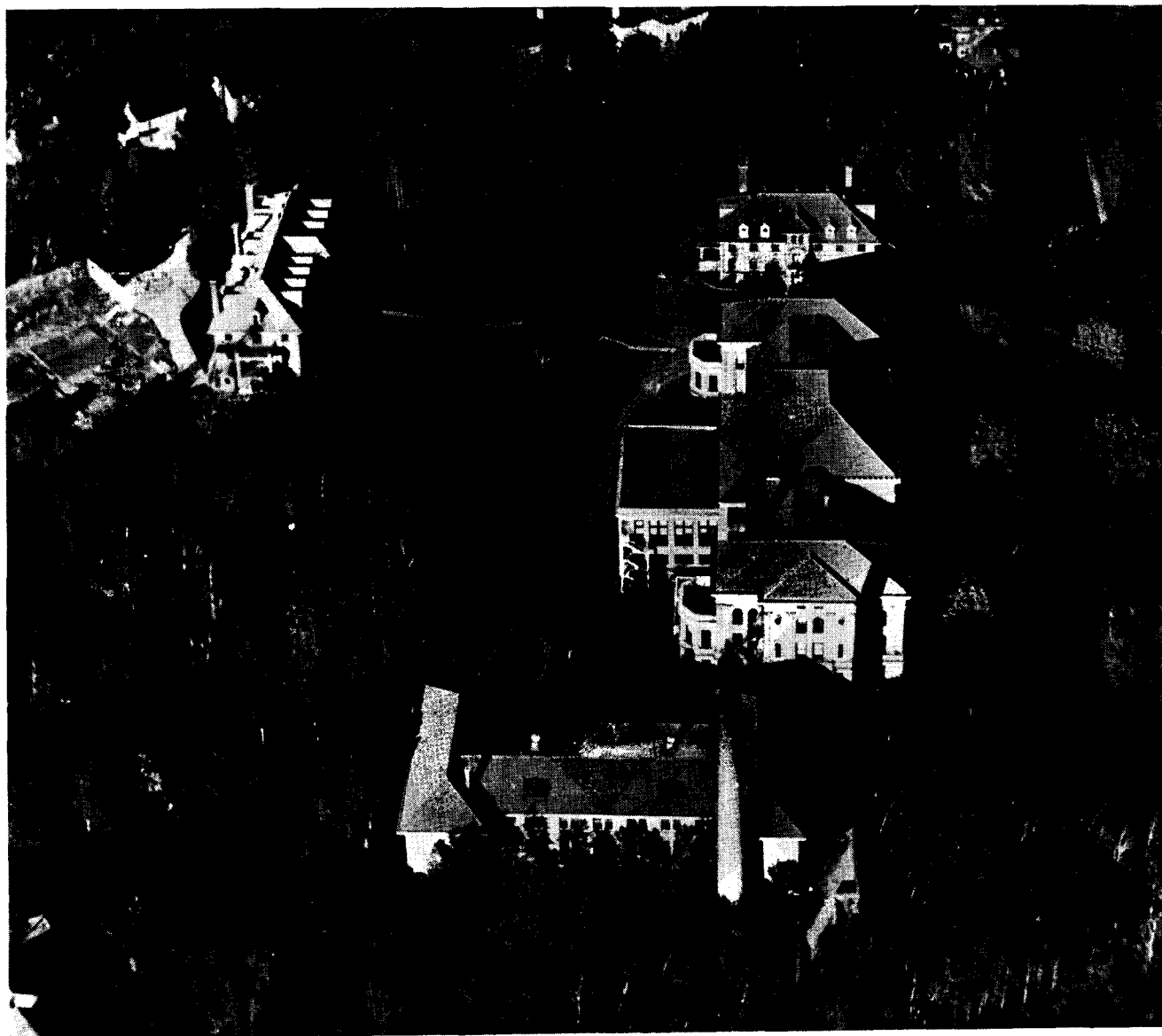
OUR new Duluth Branch has a beautiful campus, tree-covered and hilly. The seven buildings include Tweed and Olcott Halls, old mansions three blocks from the rest of the college.

Tweed Hall houses the Art Department and the Music Department is in Olcott Hall.

The aerial view in the photograph below shows buildings on the "upper campus." Top left is

Torrance Hall, the women's dormitory. Washburn Hall, faculty office building is at top right. The large, middle building is Old Main and below that is the Laboratory School.

The Duluth Teachers College had over 900 students this spring, and as a branch of the University it is expected to enroll approximately 1,500 this year.



The President's Page

OUTLYING establishments are not unusual at the University of Minnesota. We have long had three schools in which students of high school rather than college rank are enrolled, and also have many agricultural experiment stations.

It was in the nature of a complete innovation, however, when the Legislature voted, the Board of Regents accepting, that what has heretofore been known as the Duluth State Teachers College be absorbed as an integral part of the University. Final action was taken at the June meeting of the Board, so that the transfer was consummated as of July 1, 1947.

Now for the first time the University of Minnesota has a branch that is a full-fledged degree-granting institution. This fine Duluth institution thus becomes the University of Minnesota, Duluth Branch.

Duluth, the state's third largest city, is typical of a Minnesota area rather different from the southern region. It offers a most suitable site for a branch of the University, which already has its Main Campus, with many schools and colleges, in Minneapolis, and its central agricultural teaching and research establishment at University Farm, next door to St. Paul.

The transfer of the Duluth State Teachers College to the Regents of the University of Minnesota constitutes an educational challenge of the utmost significance to our University staff. We pledge every element of professional conscience and commitment to development of the institution in Duluth so that it will meet changing needs of education in the northern section of the state.

Our first and paramount purpose must be to serve citizens of the area, whose interest in the education of their sons and daughters was the dominating influence that motivated legislative action.

Every effort must be made to insure for the future the highest academic standards and accomplishments that cooperative enterprise can achieve. We



must build upon the deserved confidence and loyalty that have long been so evident toward the Duluth State Teachers College.

I have conveyed to citizens of Duluth and the region of which it is a part, to the administrative staff and students of the college, friendly and cordial greetings from myself and members of the staff, and our assurance of constructive cooperation in what we hope will develop into a promising and significant educational undertaking.

As has been announced, Dr. Raymond C. Gibson will remain at the head of the Duluth Branch, with the title of Provost. Earl H. Hobe, formerly in our personnel department, becomes the business manager. The Duluth Advisory Committee, a University committee on coordinating the new extension of the University into the parent institution, is headed by Malcolm M. Willey, vice-president for academic administration.

Other members of the committee are Dean T. Raymond McConnell, College of Science, Literature and the Arts; Dean Wesley E. Peik, College of Education; Dean Richard L. Kozelka, School of Business Administration; and William T. Middlebrook, vice-president for business administration.

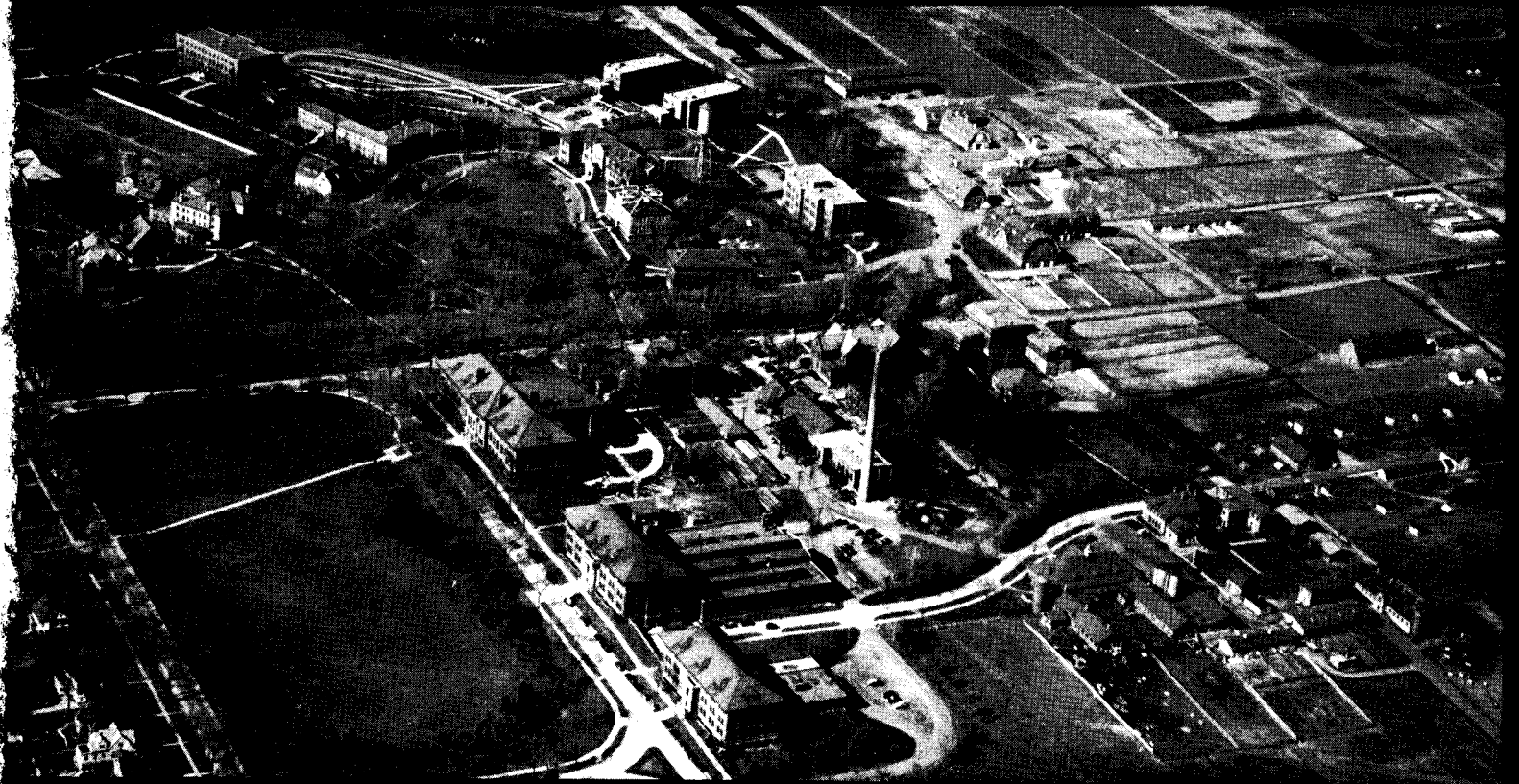
f. l. Merrill x





THE MINNESOTAN

Published for Staff Members of the University of Minnesota



VOLUME I

November 1947

NUMBER 2

NOVEMBER 15 TO DECEMBER 15

The University of Minnesota Calendar of Events

CONCERTS: MINNEAPOLIS SYMPHONY

ORCHESTRA (Northrop Auditorium)

- Nov. 16—Frederick Smith, Baritone. 4:30 P. M.
Nov. 21—Nathan Milstein, Violinist; Yves Chardon, Cond. 8:30 P. M.
Nov. 28—Fabien Sevitzky, Guest-Cond. 8:30 P. M.
Nov. 30—University Chorus, James Alferis, Cond. 4:30 P. M.
Dec. 5—Charles Münch, Guest-Cond. 8:30 P. M.
Dec. 12—William Kapell, Pianist; Leonard Bernstein, Guest-Cond. 8:30 P. M.

CONCERTS: UNIVERSITY ARTISTS COURSE

(Northrop Auditorium)

- *Nov. 18—Claudio Arrau, Pianist. 8:30 P. M.
Nov. 25—Rhythms of Spain. 8:30 P. M.
Dec. 3—Rosalyn Tureck, Pianist. 8:30 P. M.
Dec. 13—Jussi Bjoerling, Swedish Tenor. 8:30 P. M.

SIGNIFICANT UNIVERSITY BROADCASTS

- KUOM. 12:15-12:30 P. M., 2:00-2:15 P. M., 3:15-3:30 P. M., Newscasts. Monday through Friday.
1:00-1:30 P. M., University of the Air. Monday through Friday.
4:00-4:15 P. M., American Folklore. Every Friday.
Nov. 18—1:45 P. M., Young People's Concert.
Dec. 2—1:30 P. M., Young People's Concert.
KSTP. 11:30-11:45 A. M., Consumer Clinic. Every Saturday.
WCCO. 3:30-4:00 P. M., Darragh Aldrich. University guest. Every Thursday.
10:15-10:25 P. M. E. W. Ziebarth. News. Monday, Wednesday, Friday.

LECTURES

(Museum of Natural History Auditorium)

- Nov. 16—Donald K. Lewis, Audio-visual Advisor. "The History-Making Beaver." 3:00 P. M.
Nov. 19—James Montgomery. "Will Democracy Prevail in a Totalitarian Continent." 4:00 P. M.
Nov. 23—Harvey L. Gunderson, Museum Assistant. "Birding with a Camera." 3:00 P. M.
Nov. 30—Warner Clapp, Photographer. "Wilderness Trails on Mt. Rainier." 3:00 P. M.
Dec. 7—W. J. Breckenridge, Director of the Museum. "A Naturalist's Tour of Minnesota." 3:00 P. M.
Dec. 14—Richard R. Sackett, Deputy Director. "Indian Methods of Wild Ricing and Maple Sugaring." 3:00 P. M.

UNIVERSITY THEATRE

(Scott Hall Auditorium)

- Dec. 1-7—8:30 P. M. "Arms and the Man," George Bernard Shaw.

EXHIBITIONS

(University Gallery, Northrop Auditorium)

- Nov. 3-28—American Indian Painting.
Seeing Prints.
75 Kaethe Kollwitz Prints.
Dec. 11-Jan. 16—Bonampak Finds.
Sculpture with a Purpose.

UNIVERSITY PRESS PUBLICATION DATES

- Dec. 1—"Grass Roots History," Theodore C. Blegen.

CONVOCATIONS

(Northrop Auditorium, 11:00 a. m.)

- *Nov. 20—William B. Stout, Inventor. "This Miracle Age."
*Dec. 4—James Alferis, University orchestra and chorus.

ATHLETIC EVENTS

(Football Games at Home)

- *Nov. 22—Wisconsin, 1:30 P. M.

(Basketball Games at Home)

- Dec. 13—Nebraska, 8:00 P. M.
Dec. 15—De Paul University, 8:00 P. M.

FOREIGN FILM SERIES

(Northrop Auditorium)

4:00 and 8:00 P. M. (Admission by membership card, purchased from Visual Education Service.)

- Nov. 19—"Dente Per Dente," Italian drama with English subtitles.
Dec. 10—"They Came to a City," based on J. B. Priestley's novel of the same name.

SPECIAL EVENTS

- Nov. 19—Luigi Carlini, violinist; Dr. Paul Oberg, accompanying. 8:30 P. M. Scott Hall Auditorium.
Nov. 20—Beatrice Farnham, 12 yr. old pianist. 3:00 P. M. Scott Hall Auditorium.
Nov. 21—Observatory (on the roof of the Physics Building) open to the public. 7:00-8:30 P. M.
Nov. 23—Frank Asper, Organist. Northrop Auditorium. 3:30 P. M.
Dec. 2—Univ. Symphony Orchestra Concert; Thelma Hunter, pianist and Roy A. Schuessler, Baritone. Northrop Auditorium. 8:30 P. M.
Dec. 4—Univ. Band Concert. Northrop Auditorium. 8:30 P. M.
Dec. 5—Observatory (on the roof of the Physics Building) open to the public. 7:00-8:30 P. M.

*Programs also broadcast over KUOM.

The Minnesotan is published during the academic year by the Department of University Relations, University of Minnesota. Copies are mailed free of charge to University staff members. Subscription rates for those not on the staff are \$2.00 a year, 25c an individual copy.

COPIES ARE ON SALE AT THE UNION BOOK STORE

Photographs throughout this issue of The Minnesotan were taken by the University Photographic Laboratory.

TEACHING TO CITY PLANNING

ARCHITECTURE STAFF Serves University and Community

THE University of Minnesota's School of Architecture staff isn't content with merely teaching the largest number of students in the history of the school. They keep themselves busy in other ways, too. Most of these ways involve helping with municipal projects, such as the Mayor's Housing Bureau and the City Planning Board of Minneapolis, and serving as judges in competitions to choose plans for community buildings, such as the Minnesota State Veterans' Building.

Through such activities, School of Architecture staff members have made a name for themselves in the Northwest and even throughout the country.

Graduates, now practicing architects in every part of the United States, also help to spread the good name of the school, rated by many



Enjoying both cigarettes and conversation between classes are Architecture's John Lindstrom, William B. Berget and Donald Heath.



Critics at work are Leon Arnal, Gordon Schlichting, Brooks W. Cavin, Harlan McClure and Robert Cerny. They are judging student designs.

as one of the most progressive in this part of the nation.

This fall, 34 years since Architecture first was established at the University of Minnesota, 165 professional students are registered. According to Roy Jones, head of the school, some limitation probably will have to be made on the number of new registrations in the future because, says Mr. Jones, "Architecture is no good unless we can give every student his own place in a drafting room—not just for one, but for four years."

Even now, the School of Architecture, located on the third and fourth floors of the Main Engineering Building, is being rebuilt and redecorated so both staff and students have more room and so that floor space may be used more efficiently. Most of the classrooms in the school are drafting

rooms, with row after row of high desks where students work out their design problems under the careful supervision of their instructors.

A long hall on the third floor is used to display completed drawings and plans for all types of structures—everything, in fact, from a ski factory to a roadside inn.

To assist the students in any research necessary for classes, a working library of some 3,000 books and current periodicals dealing with architecture is maintained right on the third floor of the Engineering Building.

STAFF members of the School of Architecture have had—and are now having—extremely interesting and varied professional experiences.

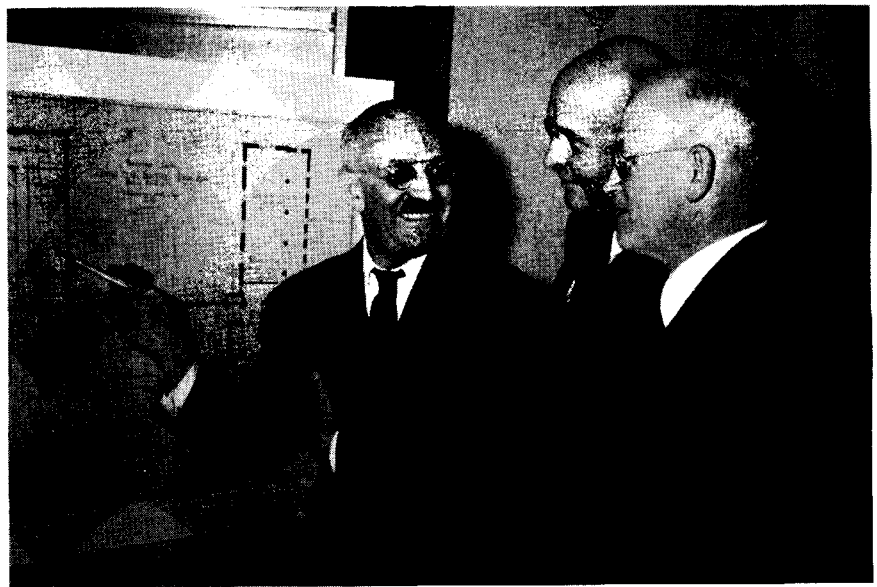
For instance, Roy Jones, present

head of the school, has "grown up" with it. He, Robert T. Jones and Leon Arnal all came to the University at the same time—in 1913, when Architecture was first organized as a department under the direction of Frederick M. Mann, now retired. Together they have watched developments of the past 20 years in architecture, even while keeping their students alert to the growth of the functional architecture symbolic of our times.

As one result of staff alertness, the University of Minnesota School of Architecture has maintained a reputation for graduating students who are capable of working with the most progressive of planners.

ROY Jones, in addition to his administrative and teaching duties, is also president of the National Architectural Accrediting Board, and consulting architect for the University. All plans must be given his approval, so that as our campuses grow, buildings will be in harmony with each other.

Robert T. Jones, a professor who



Roy Jones, Rhodes Robertson and Robert T. Jones enjoying a look at plans for new campus buildings.

has made a special field of city planning, is president of the City Planning Board of Minneapolis.

Mr. Arnal, head of the design staff, is a graduate of Ecole des Beaux Arts, Paris, and was formerly architect diplomé for the French government.

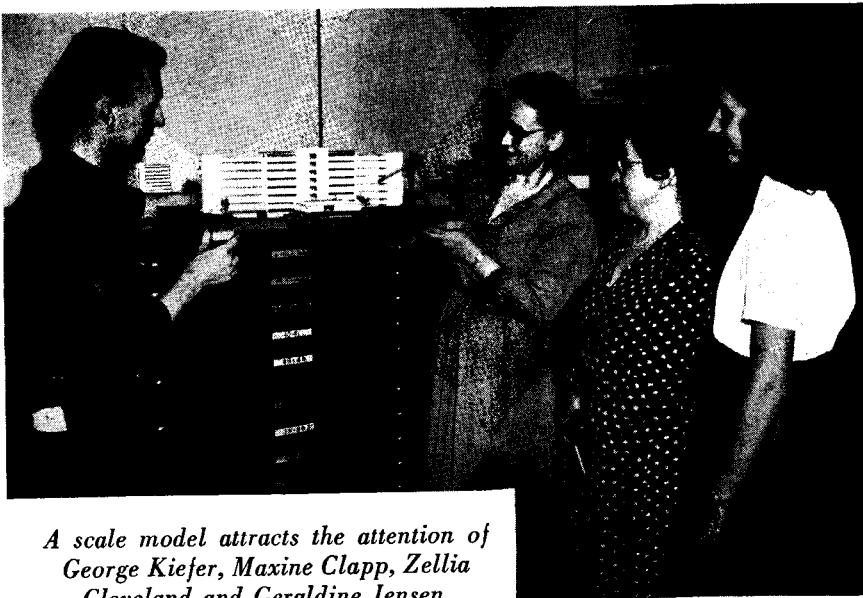
OTHER members of the Architecture School staff are also well-known and have contributed to the welfare of the community. Robert Cerny, Winston Close, Harlan McClure and Rhodes Robertson, all associate professors, are among staff members prominent in the Twin Cities.

Mr. Brooks was winner of the competition for the Minnesota State Veterans' Building and Mr. Cerny, Mr. Close and Mr. McClure have been invited to design one of the series of Walker Art Center's idea houses.

Donald Heath is an assistant professor in the School of Architecture. William B. Berget, Milton V. Bergstedt, Brooks W. Cavin, Victor Gilbertson, John Lindstrom and Gordon Schlichting serve on a part-time basis at the school.

Johns Hopkins, University color consultant, is called in as a consulting critic in interior design and color.

Maxine Clapp is librarian, Zellia Cleveland, secretary, and Geraldine Jensen, clerk-stenographer. George Kiefer is clerk-custodian.



A scale model attracts the attention of George Kiefer, Maxine Clapp, Zellia Cleveland and Geraldine Jensen.

Research

IDEA MAN

Jack Phelan designs unusual scientific equipment

JOHAN A. Phelan is a man who runs an idea shop.

That's fine, you may say, but just what does a man who runs an idea shop do? Half an hour with Jack Phelan in his workroom on the ground floor of the Physics Building, and you'll have the picture.

Mr. Phelan does nothing less than take a plan—not usually the blueprint type of plan, either, but someone's idea for the kind of a result he wants—and makes an instrument or a machine which accomplishes the result. It may be a precise surgical instrument for a delicate operation, or a special gadget for a camera.

Jack Phelan's Scientific Apparatus Shop serves departments on both the Minneapolis and the St. Paul campus. When special laboratory equipment is needed, or perhaps labor-saving devices of one kind or another, Jack Phelan is called in. As idea man, he solves the problem and William B. Ecoff, Frank Kotula and Edmund Hahn do their part, turning out the finished article for their University customer.

The shop plays an important part in research, because, explains Mr. Phel-



Discussing where to put machines when the Scientific Apparatus Shop moves to its new home in a temporary building are Jack Phelan, Edmund Hahn, William B. Ecoff and Frank Kotula.

an, "We're interested in two things—we see that the researcher gets something entirely satisfactory for his purpose, and at the same time we effect savings for the University.

"About 80 per cent of our work is designing new equipment, the rest is emergency maintenance of apparatus. New equipment ranges from an intricate machine which homogenizes cancer cells to an apparatus which tests the staleness of bread.

"A great deal of our work is done for medical research workers. I, myself, witness about 50 to 75 operations a year at the University Hospitals, then design surgical instruments to help make the operations safer."

Some of Mr. Phelan's inventions are being manufactured commercially, after he designed and put them to work for the University. The Wangenstein Suction Apparatus is one of the most recent examples and is now

being used in many hospitals throughout the country.

Another interesting contrivance is a fairly simple machine which picks up patients out of bed, and then replaces them in the bed. It can even weigh them in the process. Any nurse can operate it easily; so, thanks to Mr. Phelan and his crew, a difficult job is made easy.

Although Mr. Phelan and the men in his department are not engineers, they are asked again and again to design machinery. When they get such a call—to devise a bottle-washing system in the University Hospitals drug room, for example—they consult authorities who might be able to give advice on the best procedure.

Even so, ingenuity and imagination must be supplied by Mr. Phelan and the men in his shop—men who are busily engaged in putting ideas into concrete form.

Friends of Library ORGANIZATION OBTAINS RARE BOOKS

THE University of Minnesota Library has friends. And by friends we mean the kind of people who go out and do things for the library.

This group of folks—they call themselves the Friends of the University Library—organized in 1944 to assist the library in obtaining unusual collections, original manuscripts and rare volumes which are not available through regular channels or within the limitations of regular appropriations. All members serve as ambassadors of good will, interpreting the Library, its advantages and its needs, to the community.

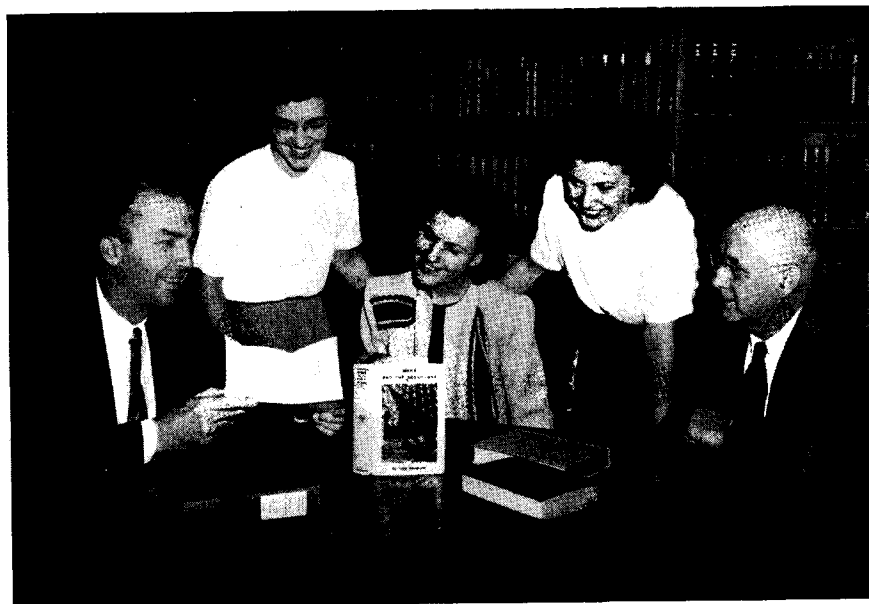
A recent contribution by the Friends of the Library to the stock of rare books is Sinclair Lewis', "Hike and the Aeroplane," a book written under the name of Tom Graham.

Members are notified of club meetings and also receive the organization's publication, "An Occasional Bulletin," which is written by University Library staff members.

This fall, at the annual dinner meeting, Paul M. Angle, author of "The Lincoln Reader" and secretary-director of the Chicago Historical Society, spoke on "The Lincoln Papers."

Officers of the Friends of the University Library are Mrs. Frederick G. Atkinson, president; Margaret Culkin Banning, vice-president; E. W. McDiarmid, secretary; Laurence R. Lundén, treasurer.

All staff members interested in joining the Friends of the University Library are eligible for membership. The only requirement is an interest in the enrichment of the resources of the University Library.



Examining a rare book written by Sinclair Lewis under a pseudonym are E. W. McDiarmid, University librarian; Jesse Richardson, librarian; Ethel Sullivan, senior secretary; Joan Peterson, librarian; and Harold G. Russell, chief reference librarian. The book was purchased by the Friends of the University Library.

University Has 20 Notary Publics

AVAILABLE FOR OFFICIAL BUSINESS

STRATEGICALLY PLACED in the various departments are 20 University staff members who are also notary publics. All of them are ready to serve you by affixing their seals to official University papers and even to semi-official material—such as S. E. R. A. refunds, given when staff members leave the University's employ, and S. E. R. A. claims—which must be notarized in order to become official.

University notaries and their departments are listed below:

Ethel E. Harrington, Hospital;
Evelyn G. Nelson, Comptroller; Rose M. Kenaley, Veterinary Medicine.
Agnes Heir, Concerts and Lectures;

Katherine Reik, General College; Evelyn Kraemer, Administration; Alice Carlson, Health Service; Irma Koeffod, University Press; Helborg Gilbertson, Administration.

Ruth A. Businger, Union Bookstore; Helen Harwood, Veterans Affairs; Thomas L. O'Hearn, Real Estate; Grayce R. Nelson, Athletics.

Gertrude Koll, Office of the Vice-President, Business Administration; Gladys Roskilly, Main Engineering; Sadie Cunier, Agriculture Extension; Joseph F. Kuehn, Agriculture Extension; Margaret Taarud, Agronomy; Mary Randolph, Dean Bailey's office; and Marie G. Kane, Animal Husbandry.

The Minnesotan

RETIREMENT PLAN

S. E. R. A. offers staff secure future through pension plan

THANKS to the State Employees' Retirement Fund, to the financial assistance from the Minnesota Legislature, and to the enlightened and unselfish service of a group of state employees who have given much time and thought to managing the program, 3,787 Civil Service staff members of the University of Minnesota are today paying money into a fund that will provide material pensions for them upon their retirement.

The retirement program for Civil Service employees is not entirely a University of Minnesota affair, inasmuch as employees of all other major state departments are eligible to participate. The program has the complete approval and cooperation of University authorities; for University staff members, the program is handled by Ray F. Archer, director of insurance and retirement, while Wallace V. Blomquist, assistant supervising engineer, is president of the board which conducts the affairs of the entire State Employees' Retirement Association. Mr. Blomquist is one of the old war-horses of the employees retirement program; he campaigned for such an arrangement over a number of years before it was first created in 1929.

Started in the year when the United States was about to enter the worst period of depression and unemployment in its long history, the retirement fund had some wobbly periods in its early days. Then it was altogether dependent on sums paid in by state employees, but in 1939 the State Legislature first took cognizance of the need for state aid and appropri-

ated \$50,000 to strengthen the fund.

Again, in 1945, the Legislature voted a millage apportionment of three-tenths mill on the general property tax to go to the State Employees' Retirement Fund. The most recent (1947) Legislature increased this to four-tenths mill, which Mr. Blomquist estimates will produce between \$300,000 and \$400,000 for S. E. R. A. under present conditions of prosperity.

Who is eligible to enter the State Employees' Retirement Association? On what basis are payments made? What pension can one get at the age of retirement?

Under the original plan, in 1929, entry into the pension plan was voluntary for those already on state payrolls. At first, monthly salary deductions were 3½ per cent of total salary. From July 1, 1939 to July 1, 1945, deductions ranged from 3½ per cent to 6 per cent, according to the age of the member; and no deductions were made from salaries on any amount in excess of \$300 per month. The law provided, however, that all future state employees, in the acceptable grades, had to join the pension plan.

CASUAL employees, such as a carpenter who might be employed for a couple of weeks, or a part-time student employee, are not eligible to contribute to the retirement fund.

Although the plan originally called for graduated payments up to 6 per cent of monthly salaries, this was amended in 1945 to provide for an equal deduction of five per cent from

the salaries of all members. When this change was made, however, it was specified that those already in on the percentage bases of 5½ and 6 per cent should continue to pay those percentages, even though in some instances this meant paying 6 per cent, or 1 per cent more than the scale for new members.

Mr. Blomquist recalls that at the initiation of the plan, a considerable number of those on the state payrolls did not see fit to join in the S. E. R. A. program. It subsequently became obvious that the plan had very great advantages to staff members, and in 1939 all Civil Service staff members were included as members in S. E. R. A. Those individuals who had refused membership in 1929 were given opportunity to have their membership dated back to 1929 by paying up arrears in deductions; a number took advantage of this.

THE State Retirement Law provides that: "Upon retirement the member shall receive an annuity for the remainder of his life equal to 50 per cent of his average salary upon which deductions for the retirement fund have been based while a state employee, but no such retirement annuity shall exceed the sum of \$100 per month." To be eligible for the maximum the individual must have not less than 35 years of state service, or must have reached age 65 with at least 20 years' service.

It might seem that, as no employee as yet can have paid for 20 years into a fund established in 1929, none

Continued on page 14

The University Benefits from

GIFTS AND BEQUESTS, GRANTS-IN-AID (1947-48)

Gifts and Bequests

Previously Reported \$ 3,295.65

This Report \$59,067.38

Eliza A. Drew Memorial Fund, Inc.:
VARIETY CLUB HEART HOSPITAL
FUND, \$25,000.

Estate of Mrs. Eunice P. Arnold, income from gift to be used for establishment of two equal yearly scholarships to be known as the Alice Pomeroy Scholarship to be given in the College of Education, and as the Ray V. Arnold Scholarship to be given in the College of Medicine, \$8,352.

Charles T. Miller Hospital:
\$5,520:

FELLOWSHIP IN MEDICINE, \$1,380;
FELLOWSHIP IN OBSTETRICS AND
GYNECOLOGY, \$1,380; FELLOWSHIP
IN SURGERY, \$690; AMHERST H.
WILDER DISPENSARY FELLOWSHIP
(RADIOLOGY), \$1,380; FELLOWSHIP
IN PATHOLOGY, \$690.

Junior League of Minneapolis, Inc.:
MEDICAL SOCIAL WORK FUND, \$4,000.

Northwestern Hospital: \$3,281:
FELLOWSHIP FUND—MEDICINE, \$1,470; FELLOWSHIP FUND—PEDIATRICS, \$1,431; FELLOWSHIP FUND—SURGERY, \$380.

Sears-Roebuck Foundation: AGRICULTURAL SCHOLARSHIP FUND, \$3,065.

John Morrell & Co.: FELLOWSHIP, \$1,720.

American Cyanamid Company: GRADUATE SCHOLARSHIP FUND, \$1,500.

Minnesota Jewish Council: 4-H CLUB FUND, \$1,350.

COORDINATOR OF RELIGIOUS ACTIVITIES FUND, \$1,105;

Algot F. Johnson, \$1,000; Westminster Foundation Corporation of Minnesota, \$25; Twin City Lutheran Student Foundation, \$25; Hillel Foundation at the University of Minnesota, \$25; Roger Williams Fellowship of the University Baptist Church, \$20; Wesley Foundation, \$10.

Dr. Edward P. Burch: MILLER HOSPITAL FELLOWSHIP FUND, \$600.

Eleven donors: TWIN CITIES JEWISH AMERICAN LECTURESHIP FUND, \$600.

An anonymous donor: PUBLIC ADMINISTRATION ALUMNI STUDENT AID AND LOAN FUND, \$500.

Mr. George E. Durkee: FUND FOR SURGICAL RESEARCH, \$500.

Mr. Louis M. Cohen: FUND FOR SURGICAL RESEARCH, \$500.

C. H. Johnston, Architects and Engineers: PRIZE IN ARCHITECTURE FUND, \$400.

P. W. Skogmo Charitable Trust and B. C. Gamble Charitable Trust: ALL-UNIVERSITY SCHOLARSHIP FUND, \$225.

Class of 1947: SCHOOL OF AGRICULTURE ELECTRIC ORGAN FUND, \$212.35.

Quain and Ramstad (Bismarck Medical Foundation): CLINIC FELLOWSHIP FUND—RADIOLOGY, \$180.

Trustees of the Nicholson Memorial Fund: LOAN FUND, \$161.53.

This is a balance of the residue of a fund collected by the trustees for the painting, framing and installation of Dean Nicholson's picture in Nicholson Hall.

Society of the Sigma Xi: RESEARCH FUND, \$100.

Eight donors: NORWEGIAN-AMERICAN GRADUATE FELLOWSHIP FUND, \$100.

Mrs. Jennie Molenaar in memory of John Molenaar. RHEUMATIC FEVER RESEARCH FUND, \$50.

Graduate students in the School of Public Health: MISCELLANEOUS GIFTS FUND, 2310-2100, \$33.

An anonymous donor: BOOTH MEMORIAL HOSPITAL FUND, \$10.

Mrs. Ruth F. Guthmann: SAMUEL HIRSHFELD FUND FOR SURGICAL RESEARCH, \$2.50.

To Division of Agricultural Engineering: Lincoln Electric Company, Cleveland, Ohio: Fleet-Arc Jr. farm welder.

To Department of Botany, University Library, and Graduate School: University of Tucuman, Argentina: Vols. I, II, and III of GENERA & SPECIES PLANTARUM ARGENTINARUM (Vols. 4 to 42 to be received as published).

To Department of Botany Herbarium: J. P. Emanuel, Keewatin, Minn.: 650 plants of Itasca County, Minnesota; R. D. Wood, Dept. of Botany, Northwestern University: 101 ferns.

To Department of Anthropology: John L. Zimmerman, 1003 Elm Avenue, Tokama Park, Maryland: A handsomely carved war club from Malaita, Solomon Islands, South Seas.

To Frozen Food Laboratory, Division of Horticulture: Schaefer, Inc. of Minneapolis, through its President, Mr. Harold L. Schaefer: A Pak-away 18 Freezer.

To Law School Library: Messrs. Carleton, Cherry & Norton, 600 New York Life Building, Minne-

Continued on page 7

The Minnesotan

WANTED: A University of Minnesota Professor

AUTHORITIES of the town of Tournai, Belgium, are conducting a manhunt for a University of Minnesota professor.

All they want from the professor, however, are copies of photographs he made in 1933 of a twelfth century manuscript titled "Liber Ecclesiae Sancti Martini Tornacensis" in the Tournai Library.

The library was burned to the ground during the war when the German Luftwaffe dropped fire bombs on it, and the manuscript was destroyed. Now, the town authorities

are trying to reorganize their documentation, and the photos taken by the University professor, whose name they do not know, are essential to the task.

The University has received a request to aid in locating this professor-photographer from Paul Rolland, general secretary of the Academie Royale d'Archeologie de Belgique.

Staff members who might know the present whereabouts of this professor are asked to call William T. Harris, Jr., University news editor, at Ext. 6406.

The University Benefits from CONTINUED

apolis: 31 volumes of session laws, texts and legal pamphlets.

Mr. Albert Chandler, St. Louis, Mo.: 15 cartons of back files of "The Brief", official publication of the Phi Delta Phi legal fraternity.

Honorable George E. MacKinnon, House of Representatives, Washington, D. C.: Navy Order of 12, December, 1945, with respect to the U. S. Naval Military Government in the Pacific Ocean Areas; U. S. Army and Navy Manual of Military Government and Civil Affairs of 22, December, 1943 (FM27-5 OPNAV 50E-3); and 6 books of the Army Service Forces Manual M353-3F, same being the Civil Affairs Handbook for Italy—the Italian Civil Code.

John M. Edlund, executor of the estate of Jerome Jackman, 309 5th Avenue South, Minneapolis: 52 volumes of legal texts, statutes and session laws.

To the Department of Radiology: Mr. Georg Schonander, The Georg

Schonander Company, Stockholm, Kungseroplans, Sweden, and also through Dr. Nils Westermark, Caroline Institute, University of Stockholm, Stockholm, Sweden: 14 x 17 inch all-metal Lysholm secondary diaphragm for use in certain special X-ray procedures.

GRANTS-IN-AID

Previously Reported \$442,423.50

This Report \$145,959.15

National Foundation for Infantile Paralysis (fourth annual installment of five-year grant): RESEARCH IN PHYSIOLOGY AS RELATED TO POLIOMYELITIS AND PHYSICAL MEDICINE, \$61,538.

United States Public Health Service: \$54,971:

CANCER DETECTION CLINIC, \$21,250; RESEARCH IN TOXIC SUBSTANCES IN WATER, \$8,225; STUDIES ON THE INHIBITION OF HYLURONIDASE, \$5,-

782; RESEARCH OF INTERSECTIONS OF PROTEINS, \$3,488; RESEARCH ON CARCINOMA OF THE STOMACH, \$2,268; RESEARCH ON MAMMARY TUMOR DEVELOPMENT IN MICE, \$1,863.

National Foundation for Infantile Paralysis, Inc.: RESEARCH ON PHYSIOLOGICAL PROBLEMS OF INFANTILE PARALYSIS, \$7,000.

Research Corporation: WILLIAMS-WATERMAN FUND, \$5,680.

American Creosoting Company: RESEARCH ON WOOD PRESERVATION FUND, \$4,500.

The American Dry Milk Institute, Inc.: INSTITUTE RESEARCH, \$2,405.15.

Tozer Foundation, Inc.: SCHOLARSHIP FUND, \$2,400.

Quaker Oats Company: FELLOWSHIP FUND, \$1,875.

Quality Control Committee: MILK DISTRIBUTORS RESEARCH FUND, \$1,500.

Ciba Pharmaceutical Products, Inc., Abbott Laboratories and G. D. Searle & Company: PHARMACOLOGY RESEARCH FUND, \$1,340.

American Cyanamid Company: AMERICAN CYANAMID COMPANY RESEARCH, \$1,200.

Minnesota and Ontario Paper Company: MANDO GRADUATE SCHOLARSHIP FUND, \$900.

Winthrop Chemical Company: VITAMIN D₂ STUDIES FUND, \$600.

Douglas Aircraft Company, Inc.: SCHOLARSHIP, \$500.

McGonnon & Company: INDUSTRIAL FELLOWSHIP, \$400.

Mr. A. C. Randall: EXPERIMENTAL MEDICAL RESEARCH FUND, \$300.

Mr. Fred W. Weber and Mrs. Robert N. Jeffrey: OWEN H. WANGENSTEEN FUND FOR SURGICAL RESEARCH, \$250.

November 1947

CARPENTERS KEEP BUSY

Building and repairing booms on both campuses

UNIVERSITY staff members working in the Carpentry Shops on both the Minneapolis and the St. Paul campus are becoming resigned to having a stack of orders waiting for them.

"No matter how hard we work," says William J. Edin, Minneapolis campus carpentry foreman, "we're behind on our orders. When we hire more men, we get more orders. Never saw anything like it." And Rodney Magnuson, foreman on the St. Paul campus, who also has his hands full, agrees.

Clarence C. Willmert and W. R. Mix-

er, maintenance supervisors for the Department of Buildings and Grounds, under whom the work of the Carpentry Shops is carried on, echo their statements. Mr. Willmert, Mr. Mixer and some of the men in the shops can look at this business of being rushed and remember back almost thirty years when they started work for the University. When Mr. Willmert started in 1919 for instance, the Carpentry Shop was an annex at the back of Eddy Hall, with only six regular carpenters.

In 1923, the Minneapolis campus shop



was moved into the then new Storehouse and in 1934, when the new fourth floor to the Storehouse was completed, the shop again was able to expand.

The Carpentry Shop on the St. Paul campus has its own small building, directly behind the Old Dairy Building.

Today, with all the remodeling going on around both campuses, plus the work to be done on the new, temporary buildings, University Village homes and even



Ole J. Kommen, left, and Elmer Adleman, center, demonstrate their technique of working at the drum sander for Arthur Wegge, William Madison and Kenneth M. Carlson.

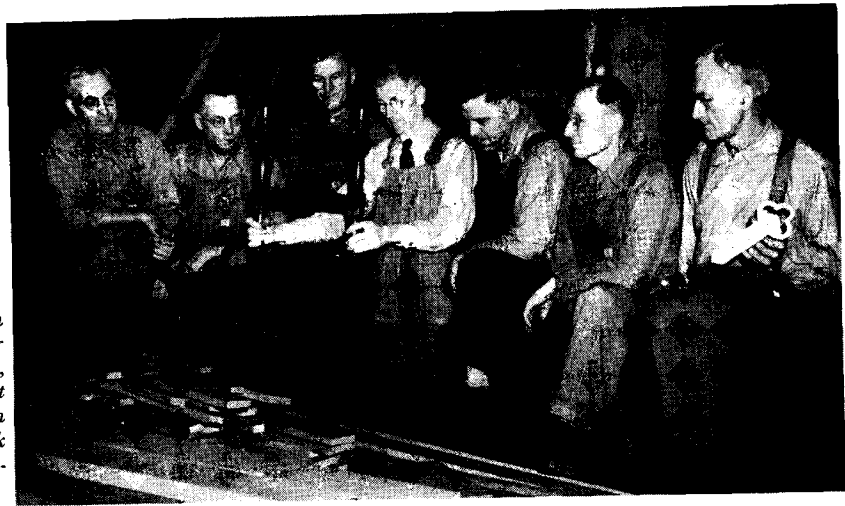
Talking together at their lockers after another busy day are carpenters Carl Wessman, Oliver Johnson, Joseph Ceccardi, Walter Vogel, William Tell and Woodrow Carlson.





George Fitzsimons, Idadore Rondeau, Carl Larson, Dale Eckman, Al Dusterhoft, Harold Brown and Enshelm Johnson talk over a job with Clarence C. Willmert and William J. Edin.

Kibitzing while John Olson repairs a chair are Theodore Swanson, John Rydeen, Gust Wickberg, Melvin Gustafson, Albert Bjork and Charles Grablander.



at Rosemount and at the Duluth campus, the entire department is busier than ever. So busy, in fact, that private contractors are being called in to help with some of the larger jobs.

"It's just lucky," says Mr. Edin, "that most of our men are scattered all over the University during the days, doing work that must be done right on the spot—replacing broken glass, repairing window shades and working on equipment which can't be moved into the shop. If we all worked here—well, there just isn't enough room."

WORK done right in the Carpentry Shops includes reupholstering furniture from Coffman Union, Comstock, Sanford and the Auditorium. Enshelm Johnson, who does this work, is considered one of the most skilled men in the Twin Cities.

Charles Grablander and George Fitzsimons, locksmiths, are busy the year around, but during the first few weeks of fall quarter, they also cut 50 to 75 locker keys a day, replacing keys which students have lost.

GENERAL University maintenance is a terrific problem for the Carpentry Shops. Refinishing desk tops and seeing that doors fit on all of the University buildings is done in addition to such work as repairing floors, tables,

bookcases, chairs and venetian blinds.

A major part of the shops' work is making articles for offices and laboratories. The University Hospitals are probably the most frequent customers for specially-made cabinets and hardly a week goes by but that the Carpentry Shops get two or three orders from them. The work at the Hospitals is so heavy, as a matter of fact, that one or two men are working there most of the time, just

doing general maintenance and repair work.

A job always lurking in the background at the Carpentry Shops is repairing classroom chairs. Through careful work, from 1,500 to 2,000 chairs are made usable again each year. And just what happens to these chairs which makes a trip to the carpenters necessary? Anyone in the shops is likely to exclaim, "That's what we wonder, too!"



Eating lunch at the St. Paul shop. August Wallentine, Nels Olson, Palmer Johnson, Hjalmer Anderson, Herman D. Rux, Frank Beck and Carl Johnson are in the front row. Sven Johnson, Warner Svenson, John Orr, Frank Swanson, Leonard Nielson, William Salmon, Rodney Magnuson and W. R. Mixer are in back.

MINNESOTA REMINISCENSES

Early University Football

THE date of the first actual playing of football at the University seems not to have been recorded. But the first game played against an outside team was properly regarded as a great event and was reported in the *Ariel*, student newspaper.

The occasion was the first intercollegiate athletic meeting in which the University of Minnesota ever participated, a field day held at the old fair grounds in South Minneapolis on September 30, 1882. Minnesota beat Hamline by two goals.

Later in the same season, the University experienced its first defeat, and it was none other than the Hamline team which administered it.

IN the fall of 1883, Professor Thomas Peebles came to the University as professor of mental and moral philosophy. He was a Princeton man and knew all about football as it was played there. Professor Peebles helped the team practice, and even was allowed to referee a game against Carleton. The University's first coach still wasn't able to do anything about the score, and Carleton won the game against the early Gophers.

BEFORE 1924, when the present Memorial Stadium was finished, home football games were played on Old Northrop Field, south of the Armory. Northrop Field was dedi-

cated in 1899, with a game with Northwestern.

FOOTBALL was a rough game in the early days, and the few rules were local. The intense interest of the students and the general public in football and the consequent pressure on the coach to turn out winning teams brought in many evils which threatened the very life of the game.

In 1896, faculty representatives from Michigan, Wisconsin, Chicago, Northwestern, Illinois, Purdue and Minnesota met and drafted a set of rules to guide the various colleges after charges of roughness and professionalism were made against several of the schools.

These rules formed the basis for the present Big Nine Conference.

IT was in 1915 that Bernie Bierman became the captain of the Minnesota team after the loss of Lorin Solon. He led the Gophers in an undefeated season, with one tie game the only scar on the record.

Job Opportunities at the University

Jobs at the University are open in a number of Civil Service classifications. If you have any friends or acquaintances who would like to become staff members and who can qualify for any of the jobs listed below, ask them to come to the Civil Service Employment Office any hour during the day. The number of vacancies for each classification is listed on the right:

Jobs usually filled by women

Clerk	1
Clerk-Typist	6
Clerk-Stenographer	13
Key Punch Operator	1
Secretary	1
Senior Clerk-Typist	1
Junior Librarian	1
Public Opinion Analyst	1
Hospital Aide	1
Lab Technologist	1
Assistant Cook	1

Food Service Worker	2
Custodial Worker	1
General Cook	1
Senior Clerk	1
Senior Account Clerk	1
Artist's Assistant	1

Jobs usually filled by men

Accountant	2
Senior Accountant	1
Architect	1
Operating Engineer	2
Engineering Assistant	2
Steamfitter	1
Electrician	1
Linotype Operator	1
Assistant Scientist	1
Public Opinion Analyst	1
Senior Lab Attendant	1
Lab Attendant	3
Lab Animal Attendant	2
Herdsmen	1
Clerk-Draftsman	1
Laborer	Open

Staff Appointed to UNION BOARD

APPOINTMENT of four University staff members to the Union Board of Governors was announced recently by Malcolm M. Willey, vice president for academic administration.

Named with the approval of President J. L. Morrill to serve on the Board for the academic year 1947-48 are: L. R. Lunden, University comptroller; B. James Borreson, acting director of the Student Activities Bureau; Keith N. McFarland, assistant to the dean of the College of Agriculture, Forestry and Home Economics; and Roger B. Page, coordinator of faculty counseling.

The four staff members will serve on the Union Board with 15 student members elected by the student body.

University's Own Woodlot

CLOQUET STATION HAS 3240 ACRES OF TIMBERLAND



WHAT is probably the biggest single woodlot in the state—3,240 acres of forest near the town of Cloquet in northern Minnesota—is owned by the University.

That's a lot of land and a lot of timber, and under the direction of Thorvald Schantz-Hansen, who is in charge of the Cloquet Forest Experiment Station, the University is able to make the most effective use of such property, most of which was donated by Cloquet lumbermen.

The Station land is an example of what our northern forests should be like. One-third swamp and two-thirds upland, it contains 15 kinds of timber, with the largest percentage jack pine, spruce and aspen. The soil, too sandy for agriculture, is ideal for growing trees.

One of the loveliest sections of land in the state is contained in the Forest Experiment Station. There are 60 acres of virgin timber, with narrow, winding roads the only sign of civilization. This land is one of the largest remaining virgin forests in the state, and is being kept untouched and intact.

Work at the Forest Experiment Station is divided into three major phases. First of all, the land is main-

tained as a demonstration forest. Good forest management is taught by doing, and the best possible forestry practices are always used. The forest is operated on a sustained yield basis, so that timber may be harvested even while other trees are being encouraged to grow. Actually, in a properly maintained forest, it isn't necessary to plant trees. Nature does that work for you.

Gradually, as a result of this demonstration program, a few commercial forests are also being put on a sustained yield basis as their owners actually see what can be done.

Another big job at the Cloquet Forest Experiment Station is research, with results that mean a lot to commercial forest owners, farmers and even to us, for wood plays an important part in practically everything around us.

The process of cutting trees, sawing them into sections and sending the pieces through the sawmill is probably one of the most interesting jobs on the Experiment Station, at least to the layman.

Last year, 5,000 logs were cut, sawing out to 106,000 board feet of lumber. The University is able to use most of this lumber itself.

Preparing a log for the sawmill by cutting it into lengths are James Hanratty, Emil Nieminen, Ole Mattson, John Granholm, Russell Swain and Otto Nuotio.

Logging is carried on during the winter, then in spring saws cut the logs into boards. After the boards are placed in huge piles and seasoned, they are planed, then are ready for use.

There are four or five major research projects now under way at Cloquet. And 10 or even 20 years isn't too short a time in which to expect results—not when you're waiting for trees to grow.

For one study, seeds from 140 different varieties of jack pine were collected from all over the central section of the continent. These seeds now are being grown to see which variety is best for this climate.

Other experiments are showing that insects have a profound effect on the growth of trees, and just how important insecticides are. Such information is passed on to state farmers through their county agricultural agents.

The Station, in addition to its own experiments, also provides material

for research by men from the St. Paul campus. A good example is a field of fence posts, each post treated with a different type of preservative in order to test which preservative is most effective.

You'd expect any part of the University to have facilities for teaching, and the Forest Experiment Station is no exception. In this case, however, the entire forest is a classroom. Every year the senior class in the Division of Forestry spends spring quarter at the station, living there and doing actual forestry work. Groups have been coming since 1925, when Mr. Schantz-Hansen took charge of the Cloquet Station.

Staff members working with Mr. Schantz-Hansen at the station are Raymond Jenson, his assistant; Russell Swain, foreman; and Otto Nuotio, Emil Nieminen, John Granholm, Ollie Mattson and James Hanratty, forest laborers.

Community Chest Results

University Staff Pledges \$20,288

A TOTAL of \$20,288 has been pledged to the 1948 Community Chest by staff members. According to E. W. McDiarmid, chairman of the University drive, this is 111.4 per cent of the quota and places the University in ninth place among the 50 districts of the Twin Cities.

The two highest percentages were made by the nurses at the University Hospitals, who pledged 70 per cent over their quota, and by the building and maintenance workers, who went 14 per cent over their quota.

Captains in charge of the drive under Mr. McDiarmid's direction were Dr. Ruth E. Boynton, Dean Russell M. Cooper, Frank L. Fuller, Arthur J. Gaines, Ethel Harrington, G. Ray Higgins, Richard C. Jordan, Dean

Richard L. Kozelka, Larry R. Lunden, Minard Stout, Eugene N. Turnberg and A. L. Vaughan.

The University Committee for the Community Chest included Vice-Chairman Marcia Edwards, Dr. Ruth E. Boynton, Edwin C. Jackson, Roy V. Lund, Dean Horace T. Morse, E. D. Monachesi and Richard C. Jordan.

New Postcards Show MUSEUM ANIMALS

SOMETHING NEW in wild animals is now being sold at the Museum of Natural History. For 5 cents, staff members can buy a picture postcard showing woodland caribou, moose, beaver or swallow-tailed kites—the same creatures which daily attract crowds in the natural habitat groups at the Museum.

For only 25 cents, you can buy a set of ten scenes in an album, with a cover view of the Museum of Natural History as a bonus.

The pictures for the series of postcards are the work of the University Photographic Laboratory. The University Press handles production arrangements, so quantity orders must be placed through it.

Walter J. Breckenridge, director of the Museum, got the idea of having the postcards made after visitors asked if there was any way to obtain pictures of the nature scenes.

The natural habitat groups themselves may be seen at the Museum of Natural History. The building is open from 9 a.m. to 5 p.m. every weekday and from 2 p.m. to 5 p.m. on Sundays. Evening hours are 7 p.m. to 10 p.m., Wednesdays. Special arrangements for guided tours may be made by calling Ext. 6338.



Raymond Jenson and Thorvald Schantz-Hansen regularly measure height and forms of pines grown in the experimental plots.



civil service job classifications

Have you, as a Civil Service Employee, recently been asked to fill out a classification questionnaire to describe your job? Here are a few questions and answers on this questionnaire business and how it relates to you.

Why are we asked to describe our jobs?

The Civil Service Personnel Office wants to make sure that each of the more than 4,000 Civil Service jobs is classified correctly. Job classifications are constantly reviewed and Personnel Office representatives try to talk with each employee at his place of work at least once a year.

What does it mean to "classify" a job?

It means that the job is compared to the other 4,000 Civil Service jobs and is placed in a "class." That is, it is given the same title and description as all other jobs quite like it. These classes (there are about 450 of them) make up the Civil Service Job Classification Plan.

What is the job classification plan?

It is a method of grouping jobs into classes according to the kind and difficulty of work performed. A job reclassification survey in 1945 gave new classes and has resulted in one of the most complete plans in use at any university.

How is the classification plan used?

The plan makes it possible for all similar jobs on campus to be treated equally with respect to pay and privileges. The job descriptions permit fair salary rates, because they give accurate and detailed information about every kind of work.

The class descriptions are useful also in recruiting and selecting new workers. Department heads and the Civil Service Office can tell from them the desirable standards of training, skill and ability which should be looked for in new employees for each type of work.

How does the plan help me?

Most staff members find that the new classification plan has brought fairer treatment of their jobs. It has made it possible to improve salary rates and to equalize them to "equal pay for equal work."

If duties increase beyond a certain point, your job classification should be changed and pay increased. If your duties disappear, you will want to be placed in a job where your skills and abilities will be fully used. This can come about only by giving the Personnel Office all of the facts. Give as much detailed information as possible when filling out these questionnaires.

What happens to the questionnaires?

After a staff member fills out the first three pages of the questionnaire, he gives it to his supervisor. The

supervisor, department head and administrative head must answer questions on the last page. They are asked to give information about how the job is supervised.

The questionnaires then go to the Personnel Office for action.

Can an employee ask for a review of his job classification?

Yes, if you feel that your job is not classified correctly and it has not been reviewed recently, ask for a Form 440 (classification questionnaire). Fill it out and send it to the Personnel Office through your supervisor and department head. A personnel representative will be glad to talk with you and your supervisors and approve a change of classification if the job is wrongly classified.

faculty divisions

Regular University faculty positions are classified into four groups: professor, associate professor, assistant professor and instructor. All other academic positions are considered non-regular.

The positions of lecturer, professorial lecturer, visiting lecturer and visiting or substitute professor are considered special and temporary. Assistants, teaching assistants and research assistants are also temporary positions and are intended primarily for students.

Part-time positions are ordinarily considered non-regular, whatever their title.

Staff Member of the Month . . .

Clifford N. Wall receives award for outstanding teaching

CLIFFORD N. WALL, associate professor in the Physics Department, gave a speech in Chicago recently.

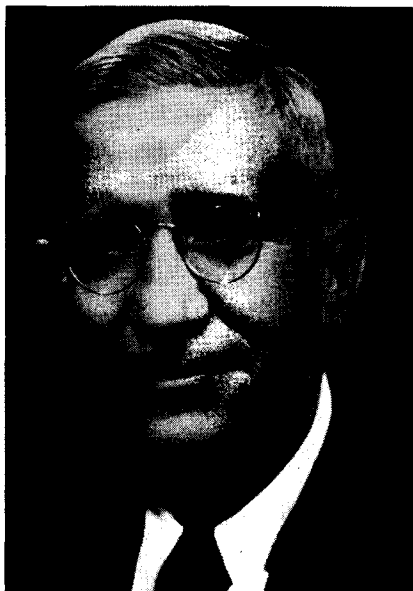
He explained part of his philosophy of teaching to his audience, telling them he believed one of the essential functions of a college or University is to encourage its best students to take graduate work.

"I believe," said Mr. Wall, "there are two reasons why we are not graduating enough Ph.D.'s, at least in physics. The small colleges have difficulty in obtaining competent instructors, the large universities have classes which are just too big for individual help to students."

When Mr. Wall finished his speech, he was awarded \$1,000, given in recognition of his outstanding teaching of physics as head of the Department of Physics at North Central College, Naperville, Illinois, before coming to the University of Minnesota in 1942.

Mr. Wall's award, the first of its kind, was given by the Research Corporation, a non-profit organization which supports research through profits from patents turned over to the corporation, and was based on the number of his students who went on to graduate work and were granted Ph.D. degrees during the period of 1936 to 1945.

As for the money—Mr. Wall and his family haven't decided yet quite what to do with the check. They are considering a trip, possibly abroad. "But for now," says Mr. Wall, "we're just enjoying having it."



Clifford N. Wall, associate professor of physics and winner of the Research Corporation award for outstanding teaching.

Retirement

CONTINUED

of those retired could have received the \$100 monthly maximum. However, the years of service credited to the employee date back to the time of his first employment, without regard to the time when the retirement fund was established. In computing length of service of members for retirement purposes, no credit is given for services prior to July 1, 1929, unless the individual became a member in 1929; nor is credit for services between July 1, 1929, and July 1, 1941, given unless deductions shall have been made from salary for this period. (Paid-up arrears are includable.)

It should be borne in mind, however, that 68 years is the University's age of required retirement, so that, while employees may retire at 65 from University service, they are not required to do so until they reach the June 30th following their 68th birthday.

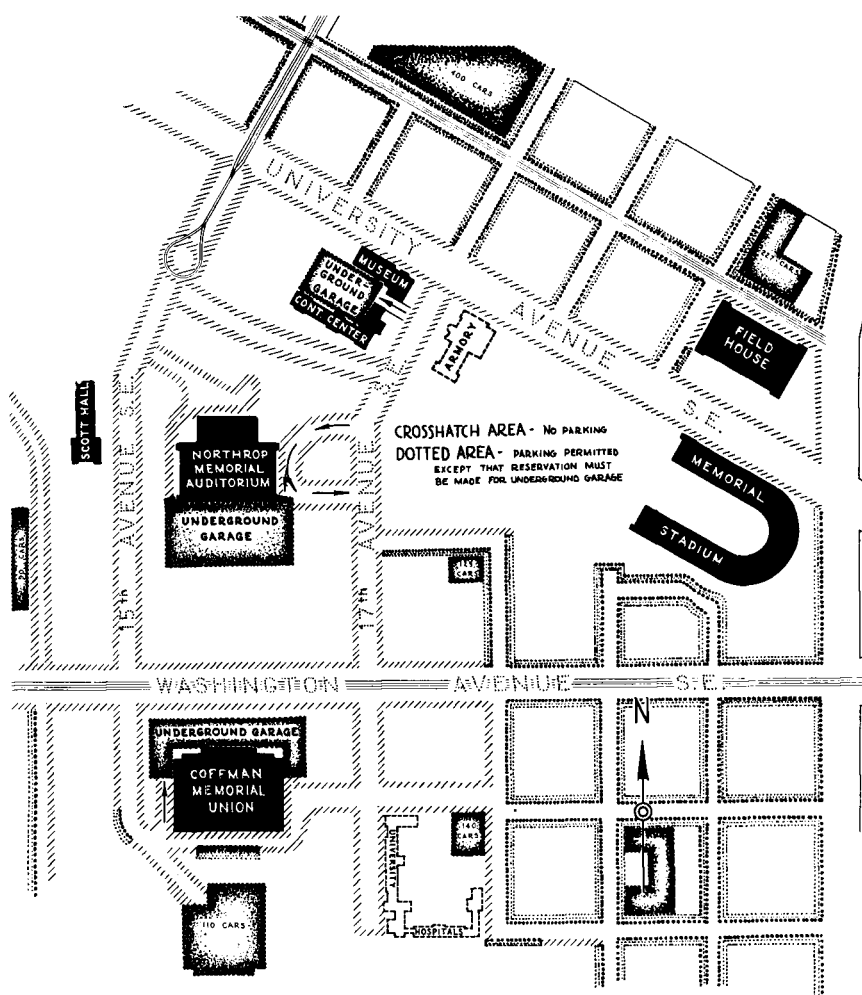
For those who enter the employ of the University after the age of 43, when it is impossible for them to put in 20 years before reaching the retirement age at 68, and for the many who serve differing shorter periods under various circumstances, there are almost as many methods of settlement as there are individuals.

For example, members of SERA who leave the University before serving five years withdraw the sum they have paid into the fund through deductions, repayment being made without interest.

Those who have served for five years either may take their deductions in cash or may leave their equity with SERA to provide a pension at the time when they would have been eligible for a pension had they remained on the payroll. The amount of the pension then available would be in proportion to the staff members' length of service and would be determined on an actuarial basis. Those who have served 10 years and then resign may take either repayment in cash or leave their equity with SERA under a more generous provision for annuity on the date when they would have been eligible for retirement.

ACCORDING to Ona A. Crume, executive secretary of the State Employees' Retirement Association, which has offices in the State Office building, St. Paul, 135 members of the University of Minnesota Civil Service staff have retired with pensions from SERA. The first to retire did so on July 1, 1931.

Tips for Staff Parking . . .



DRIVING to the Minneapolis campus during the day or evening? You won't have many parking difficulties if you follow directions given on the above map.

According to C. B. Hanscom, head of the Department of Protection and Investigation, there is no serious staff parking problem. All University parking lots are still not completely filled, even though the most centrally located lots are usually crowded every day.

Fees of 10 cents a day for outside parking lots are collected by the at-

tendants on duty and are used to pay the cost of operation and maintenance. On football days and for evening affairs, 25 cents is charged if the anticipated crowd warrants the use of parking attendants in order to use the space on the lots most efficiently.

Underground garage reservations are made on a calendar year basis, academic year basis, or quarterly basis. It should be emphasized, according to Mr. Hanscom, that a long waiting list exists for the few stalls that become available each year. He urges, therefore, that staff members

unable to secure garage reservations select the University parking lot nearest their offices and drive directly to that lot each day.

If you make it a point to have the exact change ready for the attendant, you'll save yourself and others unnecessary delay.

For the convenience of business callers, a few stalls in the underground garages are usually kept free. Staff members are urged, however, to telephone any of the underground garages and tell the attendant the name of the business caller or guest, and what time he is expected before notifying the caller that there is actually room for his car in the garage.

When you take advantage of these parking suggestions, you'll find that you save yourself both time and effort, as well as help clear up the University parking problem.

Hospital Aided

BY FOLLIES

A JUNIOR LEAGUE FOLLIES, the first to be held since the 1920's, will be presented on December 11, 12 and 13 at the Lyceum Theatre in Minneapolis. Profits from the benefit performances will support a medical social worker at University's Variety Club Heart Hospital. The services of this professional worker are to begin at once in the University Hospitals, where she will work until the completion of the Heart Hospital.

Except for the featured appearance of Minneapolis' Aquatennial queen, Patricia McLane, every member of the cast will be a member of the Junior League organization. The show will be directed by a New York agency.

Staff members interested in attending the Follies may purchase tickets at the Lyceum box office, where they will be on sale after December 4.

Veterinary Medicine *ADDED TO CURRICULUM*

WITH twenty-four freshman students in its first pre-veterinarian course, the newly created School of Veterinary Medicine is doing all right, says Dr. Willard Lee Boyd, Director of the School and Chief of the Division of Veterinary Science.

Courses in veterinary sciences have been taught at the University of Minnesota, as a phase of the work in agricultural science, virtually from the time that the University was first established.

The entire curriculum in veterinary medicine will normally be completed in six years. The first two of these years will be devoted to pre-veterinary work in the basic sciences; the last four years will be devoted to specialized work in veterinary medicine.

As is widely known, the 1947 State

Legislature appropriated one million dollars with which to expand the present work in veterinary science into a full school program. The Board of Regents, thereupon, created a School of Veterinary Medicine within the College of Agriculture, Forestry and Home Economics.

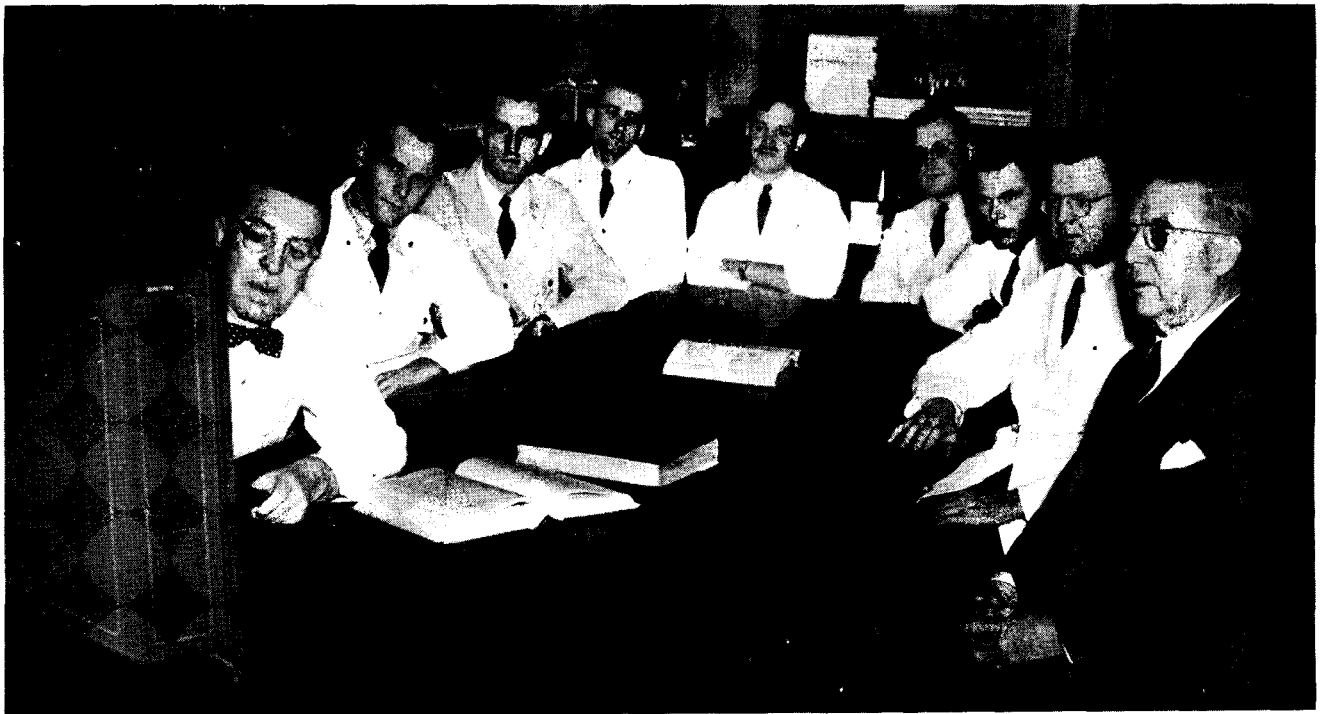
The \$1,000,000 provided by the Legislature for the new school will be divided, \$600,000 for buildings, one of which shall be a hospital or clinical building, and \$200,000 a year for each year of the biennium for operational expenses.

While it has done some teaching, the former Division of Veterinary Science has devoted its main efforts to research, field work and preventive activities in the field of animal disease. The division has made distinguished contributions, in such

dangerous and loss-entailing diseases as hog cholera, bovine tuberculosis, brucellosis (Bang's disease) and the more recent threats of mastitis in dairy herds and Newcastle disease in all types of poultry.

This phase of the work will not be curtailed, but expanded, under the new School of Veterinary Medicine.

The present staff of the School of Veterinary Medicine includes Professors Willard L. Boyd (chief of the school), Howard C. H. Kernkamp and Martin H. Roepke; Associate Professors Reuel Fenstermacher and Benjamin S. Pomeroy; Instructors G. H. Conner, Ralph Kitchell, Jay H. Sautter and Alvin F. Sellers; Research Fellows H. L. Bachrach, Richard W. Brown, Winston A. Malmquist, F. A. Spurrell and James E. Williams.



A staff meeting of the School of Veterinary Medicine. Howard C. H. Kernkamp, left, analyzes an X-ray film on the viewer for Jay H. Sautter, Richard W. Brown, Alvin F. Sellers, James E. Williams, Winston A. Malmquist, G. H. Connor, Ralph Kitchell and Willard L. Boyd.

The President's Page

THIS fall the University of Minnesota inaugurated its newest teaching and research unit—the School of Veterinary Medicine. Dr. W. L. Boyd, the director of the new school, already has made an impressive showing in the organization of the new unit and in the recruitment of staff.

In voting funds for a School of Veterinary Medicine which the Regents have established within the University of Minnesota's College of Agriculture, Forestry and Home Economics, the 1947 Legislature met a genuine need in the State and Nation. Some of the compelling reasons which were advanced by advocates of the establishment of the new school should be known by all staff members.

Minnesota is exceptionally low in the ratio of veterinarians in private practice to the animal and poultry population on its 197,351 farms.

So few men, relatively, have entered the practice of veterinary medicine in the past two decades that the average age of veterinarians presently in practice is too high for safety. Unless considerable numbers of younger men are trained immediately, there is pressing danger that the shortage will be intensified by the death or retirement of these older men.

Recent and rather sensational increases in the money value of such animals as cattle, hogs, sheep and poultry have materially increased the owners' awareness of the need for protecting this productive property against death and disease.

Not only in Minnesota, but throughout the nation, scientists in veterinary colleges and divisions of veterinary sciences are so busy with their teaching schedules and with necessary service functions that far too little time is being devoted to research. This restricts progress in two important ways. First, it limits the amount of new knowledge and the number of new procedures that a more comprehensive research program could develop. In the second place, it holds down the number of new men being trained to follow a career in scientific veterinary medicine, namely, teaching and research. And it is upon these that the entire future of the field depends, for the schools that will teach our future veterinarians must be adequately staffed.

Finally, let me present a statistical argument that was used when the case for the new department was presented



to the Legislature. Minnesota producers last year received approximately 1/18th of the national cash receipts for livestock and livestock products. It is estimated that livestock and poultry losses amount annually in this country to 418 million dollars. Minnesota's share in these losses is, then, \$23,000,000. To fight this loss, Minnesota has but 390 veterinarians in public practice, or one to every 505 farms, to every 26,000 large animals and to every 62,800 fowl. Justification for the extension of veterinary training would seem to be overwhelming.

As the chairman of the National Research Council's special Committee on the Training of Veterinarians for States without Veterinary Colleges, I have been greatly concerned about the situation in general and our Minnesota emergency in particular. The latter is aggravated by the fact that in the whole Upper Midwest—Minnesota, Wisconsin and the Dakotas—which is so important in the national production of livestock and livestock products (including poultry), there is no veterinary medical college.

Our State and University have, therefore, the opportunity and the obligation to provide a service of great significance not only to Minnesota but to a wide region.

Close association of the new School with our strong Department of Agriculture, our distinguished College of Medical Sciences and the basic science and research activities of the University-at-large gives added promise of success for the enterprise.

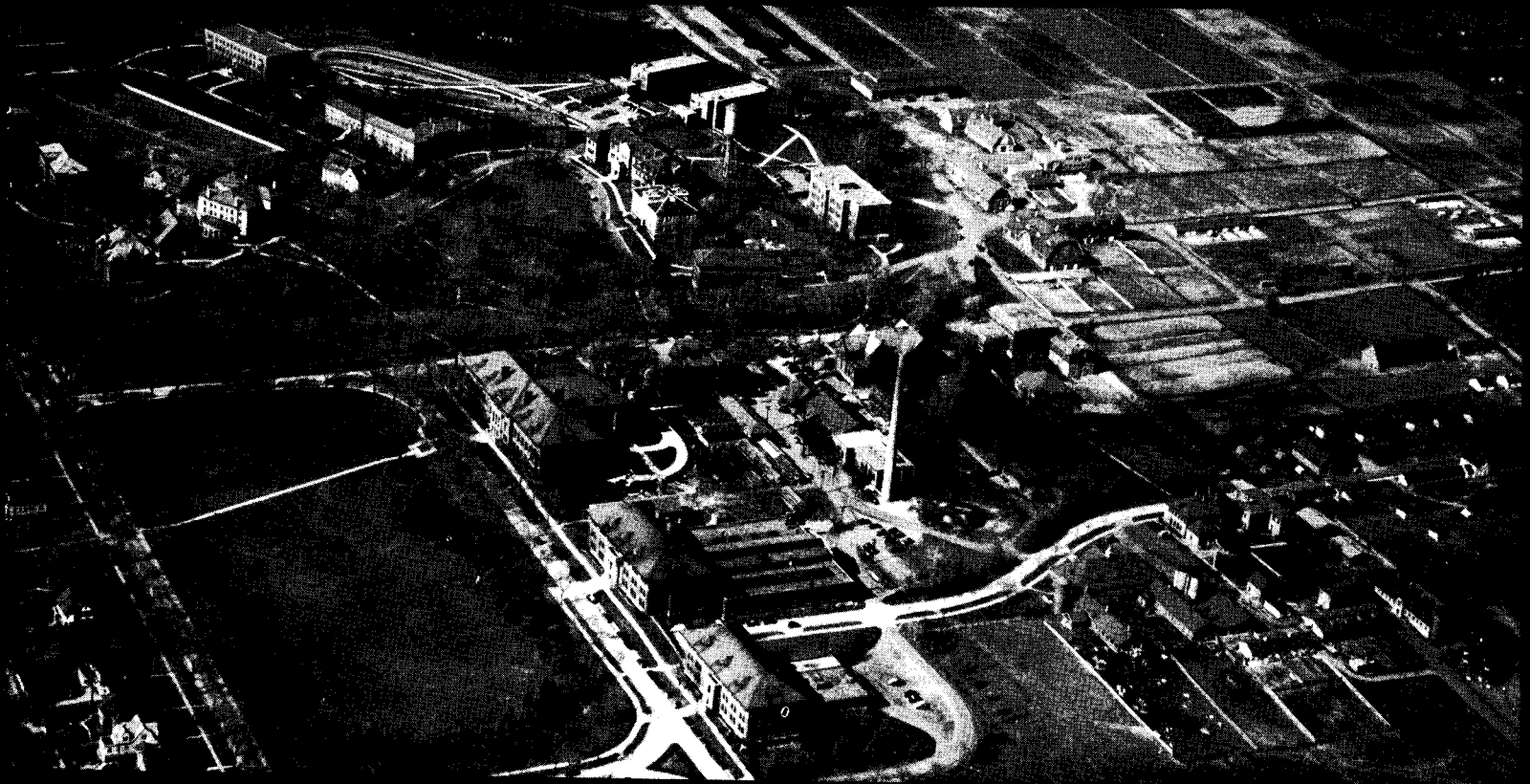
f. L. Merrill *





THE MINNESOTAN

Published for Staff Members of the University of Minnesota



VOLUME I

December 1947

NUMBER 3

DECEMBER 16 TO JANUARY 20

The University of Minnesota Calendar of Events

CONCERTS: MINNEAPOLIS SYMPHONY ORCHESTRA (Northrop Auditorium)

Dec. 19—Eugene Ormandy, Guest-conductor. 8:30 P. M.
Dec. 26—Holiday Program. 8:30 P. M.
Jan. 2—Isaac Stern, Violinist. 8:30 P. M.
Jan. 9—Raya Garbousova, Violin-cellist. 8:30 P. M.
Jan. 16—Yves Chardon, Violin-cellist. 8:30 P. M.

CONCERTS: UNIVERSITY ARTISTS COURSE (Northrop Auditorium)

Jan. 13—Zino Francescatti, Violinist. 8:30 P. M.

SIGNIFICANT UNIVERSITY BROADCASTS

KUOM. 10:45-11:00 A. M., Homemaker's Quarter Hour. Monday through Friday
12:15-12:30 P. M., 2:00-2:15 P. M., 3:15-3:30 P. M., Newscasts. Monday through Friday.
1:00-1:30 P. M., University of the Air. Monday through Friday.
4:00-4:15 P. M., American Folklore. Every Friday.
Dec. 17—2:30 P. M., Hamline Music Department. Christmas Program.
Dec. 20—2:00 P. M., Handel's "Messiah."
Dec. 24—2:30 P. M., "Christmas Concerto"—Corelli and "Nutcracker Suite,"—Tschaikowsky.
Dec. 31—2:30 P. M. "New Year's Eve in New York"—Janssen.
KSTP. 11:30-11:45 A. M., Consumer Clinic. Every Saturday.
WCCO. 3:30-4:00 P. M., Darragh Aldrich. University guest. Every Thursday
10:15-10:25 P. M. E. W. Ziebarth. News. Monday, Wednesday, Friday.

ST. PAUL CAMPUS ARTIST SERIES (Auditorium, Administration Building)

Jan. 11—The St. Olaf Choir. 3:30 P. M.

UNIVERSITY THEATRE (Scott Hall Auditorium)

Jan. 19-25—8:30 P. M. "Too Many Thumbs," Robert Hivnor, University English Department.

EXHIBITIONS

(University Gallery, Northrop Auditorium)

Dec. 1-Jan. 16—Mayan Discoveries at Bonampak.
Dec. 11-Jan. 16—Sculpture with a Purpose.
Dec. 22-Jan. 5—A Survey of American Sculpture.

CONVOCATIONS

(Northrop Auditorium, 11:00 a. m.)

*Jan. 8—Adelaide Stedman, Lecturer. "Current Reactions to Current Events."
*Jan. 15—Vela Montoya, Individualist of the Spanish Dance.

ATHLETIC EVENTS

(Basketball Games at Home)

Dec. 19—University of Washington, 8:00 P. M.
Dec. 20—University of Washington, 8:00 P. M.

(Hockey Games at Home)

Jan. 2—Harvard at the Minneapolis Arena.
Jan. 3—Harvard at the St. Paul Auditorium.
Jan. 8-9—Manitoba University at the Minneapolis Arena.

SPECIAL EVENTS

Dec. 18—Fall quarter Commencement. George D. Stoddard, President, University of Illinois. "Education and the Mid-Century Man." 8:30 P. M.
Dec. 19—Observatory (on the roof of the Physics Building) open to the public. 7:00-8:30 P. M.
Jan. 7—Dorothy Parrish, pianist. Scott Hall Auditorium. 8:30 P. M.
Jan. 8—Dorothy Parrish, pianist. Bartok's Piano Music for Teaching Purposes. Scott Hall Auditorium. 3:00 P. M.

LECTURES

(Museum of Natural History Auditorium)

Jan. 4—W. J. Breckenridge, Director of the Museum. "Minnesota and Its Animals in Winter." 3:00 P. M.
Jan. 11—Kenneth Morrison, Regional Representative of the National Audubon Society. "Birds of some Audubon Refuges." 3:00 P. M.

*Programs also broadcast over KUOM.

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COPIES ARE ON SALE AT THE UNION BOOK STORE

Photographs throughout this issue of The Minnesotan were taken by the University Photographic Laboratory.

LOTS OF ROOM AT ROSEMOUNT

RESEARCH CENTER fills longfelt needs

THE VISITOR'S first impression of the University's Rosemount Research Center is almost certain to be one of vast spaces. He sees land, stretching almost as far as he can see—land, 8,019 acres of it, with 172 buildings and 25 homes scattered over that width, 150 miles of road and more than 50 miles of railroad track.

Yet, large though it is, this space and these materials are filling basic research needs long felt by many departments of the University and the Rosemount location will, as time goes by, probably become more and more the heart of much of our research work.

The Rosemount Research Center, on the site of the Gopher Ordnance Works, is being transferred to the University's name largely through the effort and imagination of University staff members. John D. Akerman, head of the Aeronautical Engineering Department, was the first to



Theodore H. Fenske, associate director of field operations, and William Likins, assistant to the superintendent, (both at far right) supervise pulling of a fence post by Edward Samuel, tractor operator; Leonard Knick, laborer; Merle Swanson, tractor operator; Loran Weiner, tractor operator; and Leonard Gustafson, tractor operator.

realize the tremendous possibilities for research, were the University to obtain this government land and equipment.

While attempting to buy some sur-

plus air compressors, located at Rosemount, for experimental purposes, Mr. Akerman discovered that, "The compressors, buildings and land, including a tract which the Department of Agriculture wanted, were available to the University under a high priority."

THE next step was to submit a proposal to the War Assets Administration.

After final negotiations, 4,694 acres of property was transferred to the University at a 100 per cent discount on the basis of benefits which would be derived by the county, state, University and military service during the next 30 years.

Final documents for transfer of 3,-

Continued on page 10



Installing boilers at the main shop are Gust Johnson, Fred Speth, Harold Burns and Ragnar Lindgren, steamfitters; Guy Thoen, general mechanic; and Norman Bohn, laborer.

RETIREMENT PLAN

Academic staff now benefits from group insurance program

THE teaching profession, with the ministry and certain others, is considered to be one of the "long-lived professions". Nevertheless, the frequency with which the flag on the University Armory is lowered in respect to the memory of a faculty member who has died is a repeated reminder that not even professors live forever.

Prior to 1929 cases arose, perhaps not infrequently, in which the death of a faculty member left his wife, or a more numerous family, in straitened circumstances. No formal method of meeting these requirements was contained in the established University procedures. Occasionally it was found possible to do something to help. In other instances, nothing could be done. It became evident that some form of group insurance and later, if possible, some regularized retirement provision, must be made for those on the teaching and administrative staff of the University.

The first step was the acceptance of what is known as the Group Death and Disability Insurance Plan, adopted by the Board of Regents on Nov. 15, 1929 and put into effect on Jan. 1, 1930. This plan, still in effect, provides a group insurance policy of \$10,000, purchased by the University as annual term insurance and costing the individual only \$75 a year. When the plan was adopted it was not made compulsory for those already on the staff, though all but a small handful accepted the insurance. It was, however, made compulsory for all joining the staff

thereafter, and deans, professors and associate professors were required to join at once, assistant professors and research associates after one year, and instructors and research fellows after two years of academic service. The privilege of taking this policy was also extended to those members of the administrative staff with base salaries of at least \$3,000 a year, which since has been increased to \$3,600.

THE group insurance plan, in addition to the \$10,000 death coverage up to retirement, includes a disability provision to the effect that if an insured faculty member is presumably permanently disabled for life before age 60, \$10,000 is available to him while he is living.

The group death and disability policy is described in some detail because it is only those eligible for this policy who may participate in the University of Minnesota's Faculty Retirement Plan, which went into effect on October 1, 1935.

The present compulsory retirement date at the University of Minnesota is the June 30 following the individual's 68th birthday.

The Retirement Plan has two forms of contract, a "Deferred Annuity at Age 68" or an "Endowment at Age 68", either of which the staff member may accept at the time he enters the plan.

The annuity contract has a death benefit equal to the total net premiums paid by the staff member or the cash value, whichever is greater. The death benefit on the endowment

is equal to the face value which is the maturity value of the policy. The results at retirement are the same for each.

The holder of the annuity contract pays half of the cost of premiums and the University the other half. Because the endowment policy which includes life insurance is more expensive than the annuity, the University's payments are less than half of the total, but are the same, in dollars, as those made for the holder of the annuity policy.

UNDER the plan established in 1935, the annuitant, or insured, was entitled to purchase one unit of \$1,000 (maturity value) annually, until a total of fourteen such units had been purchased. This has since been increased to seventeen units for those people who are otherwise able to take in excess of fourteen units. It was also provided that units might be purchased only up to the age of 58 years, except that those who had not completed their program at 58 might purchase additional units, but without disability advantages.

According to Ray F. Archer, director of insurance and retirement, there are three conditions that determine the limits beyond which an individual's participation in the retirement plan may not go. The first of these arises when the individual has purchased enough units to provide the total retirement pay to which his rank at time of retirement entitles him. The second limit, obviously, arises when the individual has

Continued on page 13

The Minnesotan

NAVY AWARD HONORS UNIVERSITY



President Emeritus Walter C. Coffey accepts the Navy plaque on behalf of the University from Rear Admiral J. Carey Jones, commandant of the Ninth Naval District. President James L. Morrill looks on.

Staff Members Plan Holidays

SEASON INCLUDES PARTIES

CHRISTMAS, most people will agree, is a cheerful, friendly time of year, and this Christmas at the University certainly will be no exception.

Although staff members admittedly are eager to spend the actual holiday with their families, many people who have worked together all year are being drawn together to celebrate the Christmas season with coffee hours or informal parties.

Some departments are planning to make Christmas merry for others, as well as for themselves. They will send toys to children ill at the University Hospitals. Still other departments will

send small gifts to adult patients.

If staff members in your department wish to join in these projects, you can do so easily by leaving your gifts in the office of Ray M. Amberg, superintendent of University Hospitals. They will be distributed by hospital staff members.

University radio station KUOM is also joining in the holiday spirit. Handel's "Messiah" will be broadcast at 2:00 p.m. December 20, and on December 24, Corelli's "Christmas Concerto and Tchaikowsky's "Nutcracker Suite" may be heard at 2:30 p.m. by staff members and their families.

Plaque Presented for War Service

"FOR efficiency, patriotism and cooperative spirit," a bronze plaque was awarded to the University of Minnesota in recognition of services to the Navy during World War II. Because of the type of service rendered, staff members previously had been ineligible to receive the Navy "E" award.

The plaque was presented to Walter C. Coffey, wartime president of the University, by Rear Admiral J. Carey Jones, commandant of the Ninth Naval district, at a luncheon meeting recently.

President Emeritus Coffey accepted the award on behalf of the University and its staff members who contributed to the success of the wartime Naval training program on both campuses.

The plaque will be shown at different places on both the Minneapolis and the St. Paul campus during the next few weeks so that all staff members may see it.

Until January 3, the award will hang on the bulletin board in the main hall of Coffman Union. From January 5 through January 10, it will be at the Mechanical Engineering Building, from January 12 to January 17 at Pioneer Hall.

January 19 to 31 the plaque will be at the St. Paul campus Union.

Staff members may see the award at Cooke Hall from February 2 to February 7, and at the Library until February 14. The Campus Club will have the plaque from February 16 to February 21.

After staff members have seen this mark of commendation, the award will be placed in the Armory NROTC headquarters.



Civil Service Staff Privileges

A STATEMENT was made in a recent personnel meeting that a personnel program is no stronger than its interpretation by first-line supervisors and its knowledge by employees. While we have formal Civil Service rules and policy outlining the duties, obligations, and privileges of Civil Service employees, there is a need for explanation in everyday language of what they mean to the people who carry them out and to the people who are affected by them. The first of this series is an explanation of sick leave.

SICK LEAVE

Sick leave is a distinct privilege, extended to each and every Civil Service staff member who is ill or injured and unable to be at work.

Each full-time employee in the Civil Service (trades at prevailing rates excepted) accumulates sick leave at the rate of one work day for each month of service.

This accumulation continues every month until the staff member reaches a maximum of 100 work days available in case of sickness.

A new employee accumulates sick leave beginning with the first month of service. He is not eligible for paid sick leave until he has completed six months of service. If, therefore, an employee is out ill during the first six months of service, unless such

time is made up or unless there is accumulated overtime, a payroll deduction must be made for the time absent.

Sick leave is accumulated on the basis of work days and absences due to illness are charged against sick leave accumulation in terms of work days. There is no charge, for instance, for holidays or non-work days occurring during a weekend. Inasmuch as some employees work 5½ days a week, these employees are not charged more than five work days for sick leave in the event they are out ill for a whole week.

The purpose of sick leave is to protect the employee's earning power in the event of his illness.

In addition, the Civil Service Committee has approved a policy which permits staff members to take days from their sick leave when there is an illness or death in their immediate family, in addition to time off for personal illness.

In case of any prolonged illness, a department may request a doctor's statement regarding the employee's illness.

There is a regular form (Record of Vacation, Sick Leave, and Overtime—Business Adm. Form 426) which has been provided departments on which to enter the record of the employee's sick leave. It is very essential that all departments maintain such a record for each staff member who works in that department.

Supervisors are urged to make

available to their employees from time to time this sick leave record in order that there will be no misunderstanding as to the current accumulation. Employees, as well, occasionally should ask their supervisors about the current status of their sick leave, so that errors or misunderstandings of any kind can be clarified before too long a time elapses and before the staff member finds it necessary to use his sick leave.

Academic Privileges

SICK LEAVE

ANY request for leave of absence by academic staff members as a result of sickness must be considered individually.

According to Malcolm M. Willey, vice-president for academic administration, requests are sent through the staff member's department and dean, with a recommendation to the President.

There is no standardized policy governing sick leaves because of the many varying circumstances which must be considered in each case. Permission for the leave and conditions of leave must, then, be determined strictly on an individual basis according to the problems involved in each illness.

If the illness of an academic staff member is relatively short, it is academic practice and custom for the staff member's work to be carried by associates.

No Bones About It . . .

Anthropology Studies Man's History

ANTHROPOLOGY is a big word, and because it is, it confuses a lot of people. Actually, according to Wilson D. Wallis, head of the University's Anthropology Department in Wesbrook Hall, the word merely is descriptive of what the department does—which is to study the natural history of man.

The staff members in the department attempt to study mankind in an objective fashion, not concerning themselves with higher civilizations, but working with the pre-literate cultures. They study mankind both chronologically and culturally.

About that old question of whether apes and man have what Mr. Wallis calls a "common ancestor,"—well, if that's true, the "common ancestor" hasn't been found yet. Anthropologists still haven't been able to find enough information to definitely prove or disprove that common topic of conversation.

And even when researchers decide just what the relationships between man and apes should be, Mr. Wallis intends to take the matter calmly. He says that he can't see as if it makes very much difference.

Prehistoric archeology, that part of anthropology which deals with old things—pottery, weapons and articles of everyday living—especially interests Lloyd A. Wilford of the department. It interests him so much, in fact, that he has made a special study of archeological finds in this state.

Mr. Wilford says that although there are signs of Indian occupation everywhere, the state is not particularly rich in archeological finds. He does claim, however, that Minnesota is certainly as important as other re-

gions in its relics of ancient cultures.

If, by this time, you've decided to do a little digging about the state for yourself, better stop long enough to consult Mr. Wilford. The State Department of Conservation requires that anyone looking for archeological finds must get a license, and Mr. Wilford, the only professional archeologist working for the state, OK's such requests.

THERE has been a growing increase of interest in anthropology during the past few years, according to the staff of the University's Department of Anthropology.

Mr. Wallis thinks that the war

probably has a great deal to do with this. It turned our attention to foreign parts and to different civilizations. Anthropologists are glad about this trend, and hope that it helps people to understand more clearly the work they are doing.

Anthropology, however, is an occupation which often demands long years of study before important conclusions are drawn.

University anthropologists are no exception, which is one reason why only now and then do you hear of their exploits. They continue their study and teaching though, helping, by their work, to fit into place the jigsaw puzzle of man's history.



Examining a war club from the Solomon Islands, a gift from a former University student, are Anthropology Department staff members. Standing left to right are Lloyd A. Wilford, Clifton W. Anderson, John Roberts, Ganna Syro-Boyarsky and Joseph H. Greenberg. Wilson D. Wallis is seated.

Heating BIG BUSINESS

**Huge boilers
operate the year
around**

SO YOU think you have headaches with your home furnace? Oil or coal to order, ashes to haul, the furnace room to keep clean—most people feel plagued with at least one problem of winter heating.

Before you start feeling sorry for yourself, though, think about the troubles of Harry E. Orr, chief engineer at the Minneapolis campus, chief engineer George E. Jacobson at the St. Paul campus and Algot Nelson, chief engineer at the Duluth Branch.

These men of the heating plant staff are responsible for keeping all University buildings warm and comfortable, even in the coldest weather. They're in charge of boilers, gauges, pipes and coal supplies that would make any housekeeper's hair stand on end.

Heating is such a big business, in fact, that it requires three shifts of men working the clock around to see that everything goes as it should. Each shift is responsible for seeing that steam pressures are kept up, that coal is being fed into the furnaces properly and that the right temperature is maintained.

It's hard to imagine using 200 tons of coal every day during the winter months, yet the Minneapolis campus burns that tremendous amount, while the St. Paul campus burns 60 tons every 24-hour period.

According to Mr. Orr, the University has had no more trouble than

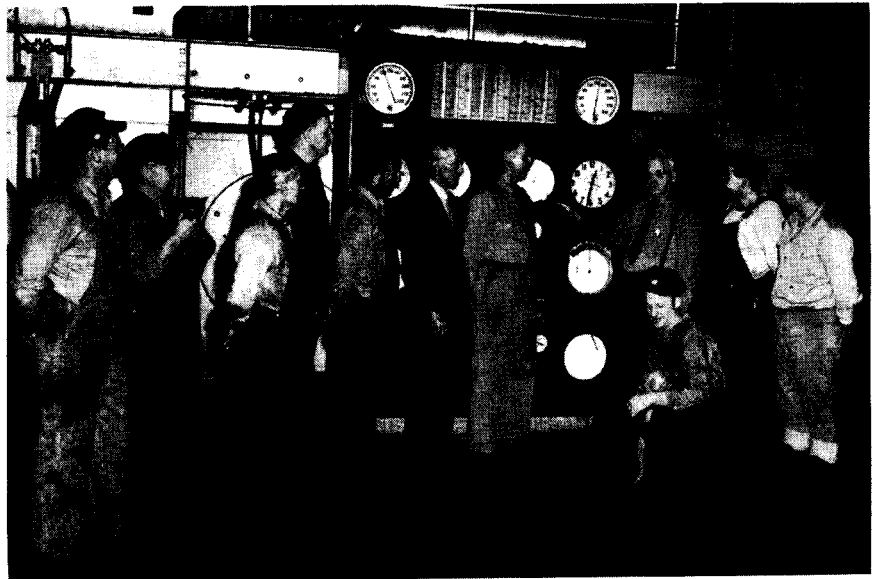


Unloading one of the 10 carloads of coal delivered every day at the Minneapolis heating plant are Gilbert Berg, H. Gilpin, Milan Nelson, Ray Lennartson, Ernest Randall, Henry Johnson, James Palma and Forest Smith.

the general public in getting coal during the recent shortages. He doubts, too, if any lack of coal this winter will make it necessary to cut down the amount of heat sent to the buildings on campus from the power plant.

On both Twin Cities campuses, special control panels are being installed at this time. They will be a big help to the staff members who work at the heating plants because when finished, each building's heat

Continued on page 12



Harry E. Orr points out something on a gauge for part of his staff. Left to right are E. H. Van Heel, Steven Rued, the heating plant cat, Joe Franczak, John Tuhy, Cecil Seals, Nelson Couture, Albert Anderson, Mr. Orr, Arthur Lundberg and Fanny the dog, E. M. Shaleen and Floyd Cavender.

University Reports Expenses, Income for 1946-47

UNIVERSITY expenditures for the fiscal year ending June 30, 1947, totalled \$28,640,466.27, leaving an unencumbered balance of \$8,643.45 at the close of the year, according to a report issued recently by W. T. Middlebrook, vice-president for business administration.

Heaviest of the University's expenditures was \$11,126,184.71 paid out for instruction and research.

This sum includes the expenses of college instruction and research, agricultural schools and experimental stations, the University Hospitals, the

summer session and agricultural and general extension activities.

Second largest outlay for the year was \$9,797,902.05 for self-supporting service enterprises and revolving funds. Among these are dormitories and dining halls, cafeterias and the University Printing Department.

The sum of \$2,543,574.74 was used to pay for scholarships, fellowships, prizes and trust fund expenditures, for teaching and research, care of the sick and other trust purposes.

The expenses of maintaining and operating University buildings and

improving University land cost \$1,537,006.73.

Administration expenses amounted to \$798,328.24, while \$1,146,330.81 was spent for general items such as the expenses of the library, general bulletins and publications, lectures and convocations, operation of the storehouses, truck service and the inter-campus trolley.

Physical plant extension resulted in an outlay of \$851,877.36, and included such items as purchases of land and real estate, trailer camp, Crookston dormitory, plant modification of Rosemount Research Center, Pioneer Hall addition, athletic field expansion, prefabricated houses and the new addition to University Hospitals.

Intercollegiate athletics cost \$502,991.34.

Transfers and adjustments of funds totaled \$336,270.29.

Largest single source of the University's \$28,641,349.40 total receipts for the fiscal year 1946-47 was the income from self-supporting service enterprises and revolving funds which totaled \$9,485,238.30.

Fees and receipts netted \$7,903,790.84. Income from the State of Minnesota totaled \$5,926,611.59 for the year.

Trust fund income, including gifts and donations for scholarships and prizes, totaled \$2,874,001.16, while income from the Federal Government amounted to \$1,278,883.64.

The permanent University fund netted \$533,511.29 during the year, and the income from the so-called swamp land fund totaled \$69,748.81, the University's share of the income from lands set aside by the State.

Intercollegiate athletics brought \$569,563.77 into the coffers of the University during the year.

Community Chest Results

St. Paul Staff Pledges \$3,717.60

WITH a quota of \$3,263, which was 10 per cent higher than a year ago, the staff of the St. Paul campus managed to pledge \$3,717.60 in the 1948 Community Chest drive.

Drive chairman Keith N. McFarland announced that pledges equalled 114 per cent of the quota set.

Under Mr. McFarland's direction, 37 staff members in different departments were responsible for this record.

Workers were: Gladys Anderson, College Office; Parker A. Anderson, Forestry; Clyde H. Bailey, Agriculture; Josephine Bjornson, Publications; Willard L. Boyd, Veterinary Medicine; Randolph M. Brown, Forestry; Alfred C. Caldwell, Soils; and Thomas H. Canfield, Poultry Husbandry.

Viola Chandler, Dean Bailey's office; Jonas J. Christensen, Plant Pathology; Willes B. Combs, Dairy Husbandry; Rex W. Cox, Agricultural Economics; Phyllis Deppe, Experiment Station; Irene Dracy, Ag-

ricultural Education; Bethene Elling, Agricultural Bookstore; and Eileen Flynn, Service Enterprises.

Irene Hansen, Forestry; Alexander C. Hodson, Entomology; Elmer M. Johnson, Agriculture; Hedda Kafka, Home Economics; Dorothy Keller, Lake State Forest Experiment Station; Jane Kirby, Horticulture; Joseph F. Kuehn, Agricultural Extension; Ada Merrill, Agricultural Engineering; and William R. Mixer, Physical Plant.

Henrietta Novy, Agricultural Biochemistry; June Paulson, Admissions and Records; Glenn Pearson, Service Enterprises; Arthur J. Schwantes, Agricultural Engineering; Dorothy Sell, Service Enterprises; Harriet Sewall, Library; and Gordon Starr, Minnesota Union.

Otto Swenson, Physical Plant; Margaret Taarud, Agronomy and Plant Genetics; Elaine Ure, Agricultural Botany; Donald Woods, Rhetoric; and C. J. Zoebel, Farm Labor Office.



Steps in making Minnesota Blue Cheese include coagulating pure, fresh cow's milk by the addition of rennet. Then Albin W. Johnson, dairy products supervisor, separates the curds and whey by draining off the liquid.

MINNESOTA Blue Cheese, sharp-flavored and pungent, is well-known in Minnesota and throughout the United States largely through the efforts of University staff members—men from the St. Paul campus who

began cheese-making experiments back in 1932.

These scientists carefully worked out a procedure for large-scale production of Minnesota Blue Cheese. Manufacturers, using their informa-

MINNESOTA

Domestic cheese by University

tion, now make 6 million pounds of Blue Cheese yearly, giving Minnesota milk a new and large market.

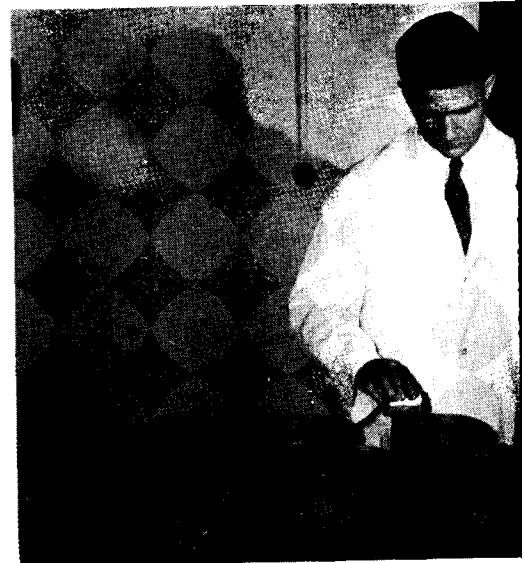
Before Willes B. Combs and Samuel T. Coulter began work, thousands of pounds of Minnesota milk were unused yearly, while the state's cheese industry was dying. They gave the industry a new lease on life and introduced people to a new and delightful food.

Today, they still experiment with Blue Cheese, manufacturing a small amount every year in their Haecker Hall laboratory, some to be used for research, the rest sold at premium prices.

"Much of our attention lately," says Mr. Combs, "has been directed to testing new methods of pack-



Next, the curds are hooped—placed in metal hoops to give the cheese the desired circular shape. Willes B. Combs and Samuel T. Coulter pack the curd into the molds.



*Howard A. Morris and Joseph C. Olson spray the curd with a tiny mold, *Penicillium Roqueforti*. When the mold is then removed from the hoops*

The Minnesotan

TA BLUE

ariety developed sity staff

aging Minnesota Blue Cheese. Before the war, it was wrapped in hard-to-get tinfoil. Even though foil is slowly becoming available again, we're testing new types of packaging."

Some cheese has been wrapped in wax covers, some packed in cans and still more sealed in glass jars. Success of these new packages now depends on consumer acceptance.

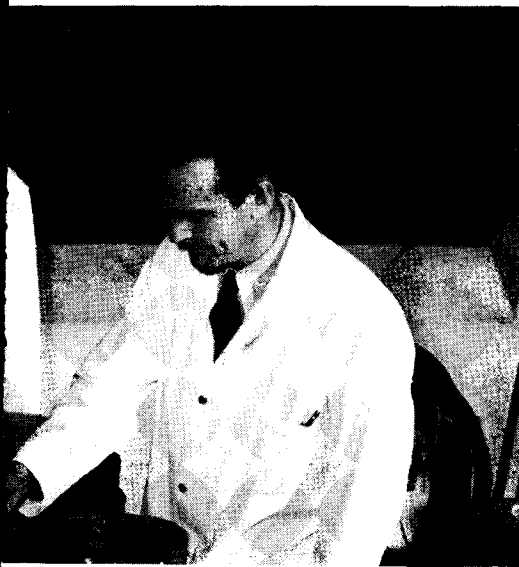
When Mr. Combs and his associates began experimenting, little had been done with this type cheese in the United States, for it is closely patterned after the imported Roquefort cheese, made for centuries from sheeps' milk. The Roquefort ripened for months in naturally ventilated caves in southern France.



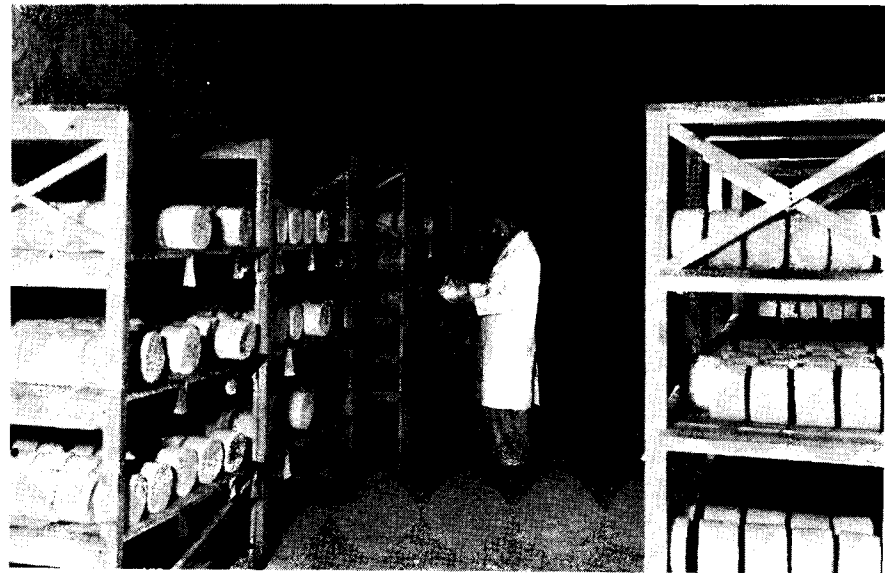
Last step—the Minnesota Blue Cheese is wrapped in tinfoil and placed in cold storage for six months to complete the ripening process. Cans and wax-type wrappings are being tested in current packaging experiments.

The University experimenters made Minnesota Blue Cheese with cow's milk and ripened it in historic Mississippi River sandstone caves which are unventilated. Results showed that the equal temperatures

of the caves afford ideal conditions for the development of the microscopic plant whose growth gives this cheese its striking marbled or mottled appearance, with bluish-green veins.

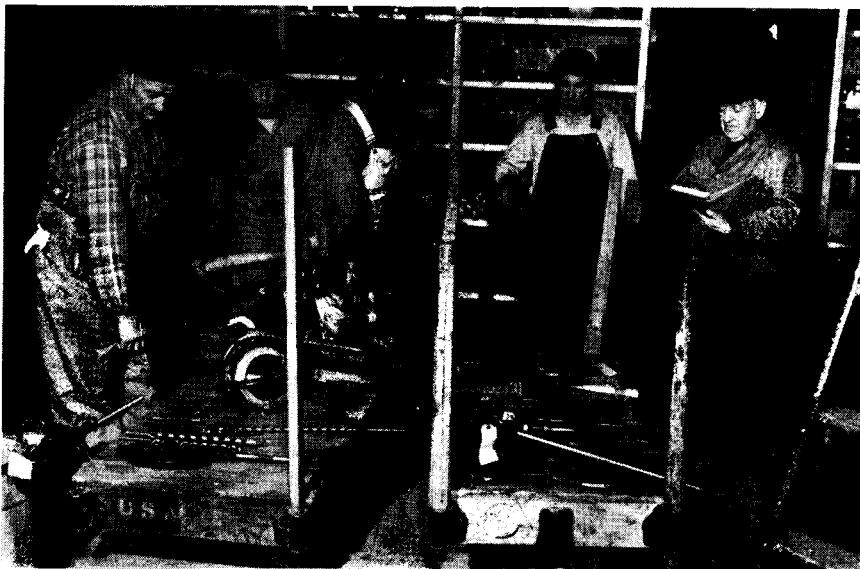


After the hooped curd with a pure culture of the mold is ready for finish, the cheese is left for several days, and salt rubbed over the surface.



Deep in one of the Mississippi's sandstone caves, the cheese is ripened for three months. Before storage, it was pierced with needles to let in air which helps the mold growth responsible for the characteristic flavor of the cheese.

Lots of Room at Rosemount CONTINUED



Godfrey Peterson, carpenter's helper; Daniel Steele, electrician; Robert Ristow, head carpenter; and Al Weslowski, carpenter, check out tools and supplies from principal stores clerk Frank Duprey, who is responsible for the Rosemount stock room.

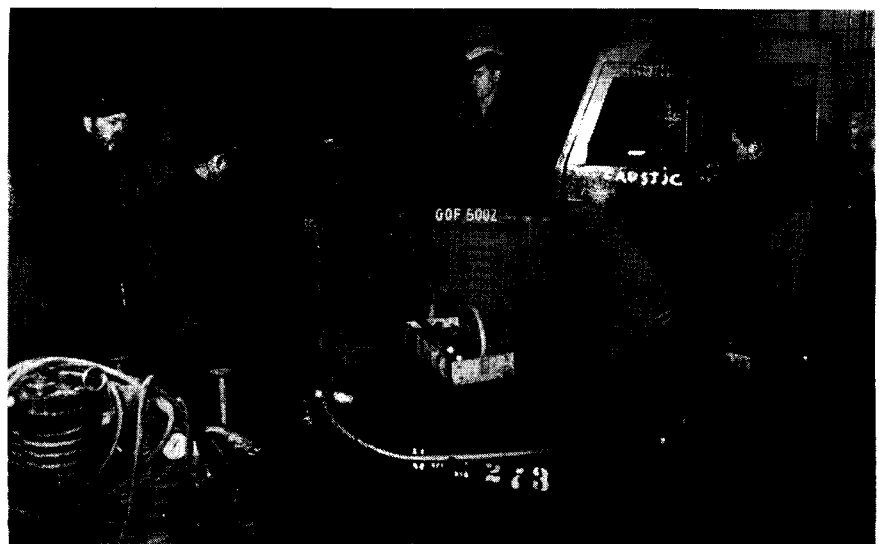
325 additional acres are now being drawn up—making an exact total of 8,019 acres at the Rosemount Research Center.

As you can imagine, administration of this tremendous property and its facilities is more than a small job.

Frank L. Fuller, superintendent of the Research Center, and his staff are in charge of operating the physical plant for the benefit of research workers. They are the housekeepers, and it is their responsibility to see that the 90-station telephone switchboard, sewage disposal plant, water supply plant, heating plants and electrical power circuits, are operating most efficiently.

For practical purposes the Rosemount Research Center has been divided into four parts: the residential area has 25 homes which now house staff members; the administrative area which includes the hospital; the industrial area which is fenced in

and includes most of the Center's buildings; and the agricultural area, unfenced and occupying the outlying portion of the Research Center.



Moving a 2,500 gallon fuel tank with the aid of "Caustic", the shop mule, are auto mechanic Leslie Carlisle; William Hyland, heavy duty equipment operator; Stanley Odahlen, custodial worker; Harold Posey, laborer; Otto Hoepfner, truck driver; and Dewayne Schissler, laborer.

NOW, and for the coming months, the biggest job Mr. Fuller and his aides have is to prepare the various areas of the Research Center for the incoming research projects, even as they assist the departments which already are at work at Rosemount.

Among the first buildings to be put to use is the one being used for the care of patients suffering from the after-effects of last summer's poliomyelitis epidemic.

The Aeronautical Engineering Department has an aeronautics research laboratory in which study of guided missiles, aircraft radio parts and propulsion testing is conducted. Both transonic and supersonic wind tunnels will be used in the experiments.

The University's Medical School is conducting research in surgery, physiology and bacteriology at Rosemount. Several large animal colonies supplement this work, among them the thousands of mice used by Dr. John J. Bittner, director of the Division of Cancer Biology, in his studies.

Already last summer, the Depart-

ment of Civil Engineering took advantage of the Rosemount Research Center and held the first in a series of summer surveying camps there. From now on, classes will spend a summer session at this campsite, which has a capacity for feeding and housing 120 students at one time.

THE University's Department of Agriculture probably has one of the biggest stakes in the Rosemount Research Center. For years, experiments in Plant Pathology, Animal and Poultry Husbandry and Agronomy and Plant Genetics have been curtailed because of lack of land available for such things as experimental planting and disease nurseries.

Now, at last, approximately 4,000 acres—ranging in quality from good, rich soil to rather rough and poor land—has been appropriated to the agricultural research center. Theodore H. Fenske, associate director of field operations, in charge of this section, foresees the day when the agricultural research center will be one of the largest and finest agricultural experiment stations in the United States.

All of the divisions aren't able to make full use of this land immediately, however; it was given to them too late to do much planting this year, and farm machinery has been most difficult to get. Nearby farmers are being allowed to lease some of the acreage providing they record data on crops until the various departments are ready to take it over.

And exactly what's going to be done with all these acres and farm buildings? That in itself is a big story. The Animal Husbandry Division, for instance, soon will begin moving swine and sheep breeding research projects to Rosemount.

Dairy Husbandry will work with



Frank L. Fuller, Rosemount superintendent, calls an office conference. With him are Florence Williamson, senior clerk; Lonis Blackwell, switchboard operator and clerk-typist; Fred B. Twigg, plant supervisor; and Lois Callahan, switchboard operator and clerk-typist. Ill when the picture was taken was Ann Young, Mr. Fuller's secretary.

different types of housing for dairy herds and do research on pasture.

An extensive program of research to aid Minnesota's poultry production will get under way early in 1948. The University's Poultry Division will place emphasis on turkey breeding, an area of study that in the past was curtailed because of limited facilities.

PLANT Pathology will have approximately 40 acres in crops, all to be used for work with plant disease.

Plans of the Veterinary Medicine School are still indefinite. They do expect to establish an experimentation center for study of animal diseases—an isolation farm off the agricultural area.

Forestry is going to be busy setting out farm windbreaks as various locations are developed, and will use

wooded areas for experimental work in farm forestry.

All land not used by the Agricultural Department for specific projects will be worked into a good rotation system of farming. The products will be used as feed for experimental animals at Rosemount and the University Farm and also sold as pure seeds in order to more rapidly increase new varieties as they are made available.

Other activities, sponsored by many departments of the University, will get underway as soon as repair and renovation of equipment is farther along.

As Malcolm M. Willey, vice-president for academic administration, said after hearing a report on the Rosemount project, "A University grows because somebody has vision and imagination. This is a classic example."

Heating Big Business CONTINUED

may be adjusted directly from the panel merely by pushing a switch. Every building will have its own switch, and be identified on the panel by a nameplate or a number.

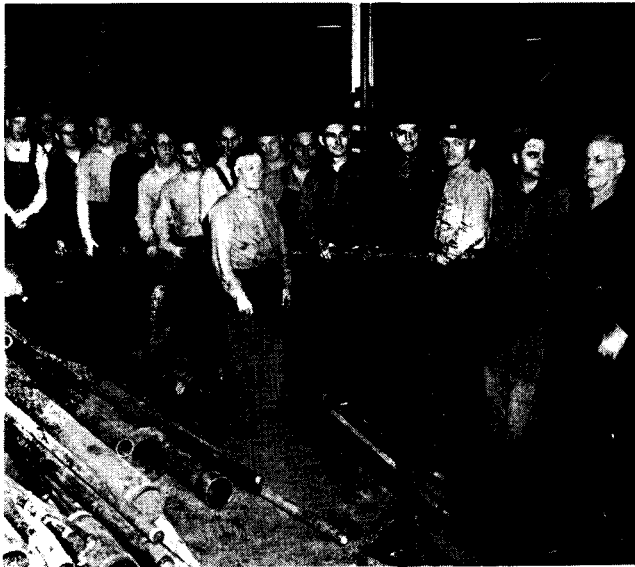
Underground tunnels run out from the heating plants and go to every building. The tunnels themselves may run as many as 3 miles in length and be 125 feet below the ground's surface. Most important,

all the small pipes and equipment you find around a home—multiplied innumerable times, however—must be kept in working order.

In addition to firemen, operating engineers and all the other staff members who work right in the heating plant itself, each heating plant has men who work primarily around the campus. On both Twin Cities campuses, repair shops contain an amaz-

ing watch over the University heating plants have a job to do. Hot water and steam must be supplied from the boilers the year around, though heating isn't much of a problem at that time of the year.

Winter or summer, though, any housekeeper would be most impressed with the condition of the University's heating plants. They're just as clean as any home basement,



No, it doesn't take all these men from the Minneapolis steamfitters' shop to carry one pipe! Left to right are Reuben Rudeen, William Funkhouser, Eino Lambie, Robert Bjerken, Joseph Kocker, Christian Lund, John Wamsley, Albert Ulspy, Henry Zeug, Martin Bergren, Leslie Smith, Edward Norris, Olaf Oas, Kenneth Swanson, Michael Skyprez and Harry E. Orr.



Heating plant staff members from the St. Paul campus are Arthur Brown, Oscar Lindholt, Gus Johnson, Leo Wisbar, Paul Rosso, Fred Speth, Andrew Sand, Oscar Anderson, George Jacobson, Axel Mortenson, Art Lindquist, Oscar Bordson, William Berge, Kristian Martinson, Harold Burns, Ragner Lindgren, Albert Johnson and John Fredrickson.

however, is what the tunnels carry.

Electric light bulbs strung out through erie passageways show hissing pipes hung along one side of the tunnels, each line painted a different color to show whether it is a high or low pressure steam pipe, a return line or a water line. There are miles and miles of these pipes which must be constantly checked.

Radiators in every building and

ing jumble of pipes, welding equipment, packing and all the material with which these men keep radiators, pipes and even steam equipment in cafeterias and labs repaired, in addition to installing heating equipment in new buildings.

And even in the summer, when homeowners can turn off their furnaces and forget about them for a few months, the staff members who

and the University staff members who work in the buildings get a lot of satisfaction in seeing that they're kept that way, no matter how many tons of coal a day are burned.

All in all, these heating plant staff members have a big and important job to do both in winter and summer—a job that affects the well-being of every other University staff member.

Retirement CONTINUED

accepted 17 units, the maximum number now offered. The third way in which the limit may be reached is when the University's participation in annual payments reaches \$400, the limit established by the Board of Regents.

All payments by the individual, for either the annuity or the endowment contract, are made by payroll deductions during 18 of the year's 24 half-months.

PROVISIONS as to the sums available at retirement vary with rank at retirement. First, it is provided that retirement pay shall not exceed 50 per cent of total average pay over the five year period preceding retirement.

Mr. Archer feels that one of the least understood matters connected with the retirement program is that of the choices between different methods of making the payments after retirement. This can provide protection for the staff member's beneficiaries after his retirement. The three options are as follows:

1. A monthly payment for life, all payments to stop at death. This, obviously, provides a larger payment for those who are in a position to accept this alternative.

2. Payments guaranteed for a certain number of months (or years), which in insurance parlance is called "so many months certain", and payments to continue thereafter for as long as the retired person lives. Because of the guarantees involved these monthly payments would, obviously, be smaller than those made under Plan 1.

3. The third option is a "joint and survivorship" arrangement, under which the insurance company agrees (guarantees) to pay a cer-

tain monthly sum over a fixed period, say 10 years, and to continue payment of this sum for as long thereafter as either the insured (staff member) or one beneficiary, shall survive.

In selecting between these alternatives the insured or his beneficiary receives the expert advice of Mr. Archer, who endeavors to help the staff member choose the method of payment best for his needs.

A detailed question and answer booklet is available at Mr. Archer's office describing both the group insurance and the retirement programs. There are, however, three questions often asked about the academic retirement plan which are answered here.

What happens if the contract holder leaves the employ of the University? The University surrenders all claim to that part of the premium it has paid and the policy holder is left to deal with the insurance company. He may either take the cash value of his policies and drop the insurance, or arrange to continue the insurance under such terms as his new status outside the University group makes possible.

What happens if the insured dies before reaching the age of retirement? Obviously, if he holds the endowment type of policies, which is life insurance, his beneficiary receives the face value of the policies. If the policies are of the annuity type, the beneficiary receives the amounts paid in by the policy holder and the University, or cash value, whichever is greater.

What are the disability provisions under the retirement contracts? These are effective in units issued up to and including age 58, with a maximum of 15 units. If the disabil-

ity is for longer than four months the insurance companies will pay the holder \$10 per month, beginning with the fourth month, for each \$1,000 contract in which the disability provision has been included. The disability provision on the retirement insurance carries through to age 68 and does not end at age 60 as does the disability in the group insurance policies.

Of interest to the insured, also, is the fact that he is one year older each time he accepts a new unit of retirement contract. His payments for the newer units are therefore somewhat larger, but the entire contract is so favorable that all of the payments can only be considered as "a bargain".

The Minnesotan is

YOUR MAGAZINE

THIS is the third issue of The Minnesotan, mailed free of charge every month to all full-time University staff members. The magazine is published by the Department of University Relations in order to let staff members know what is happening in departments, schools and colleges other than their own.

The Minnesotan, in addition, each month gives you the latest information about your privileges as a University of Minnesota staff member.

The mailing list for The Minnesotan is made up from the official University address cards. Staff members who have not filled out the address cards and therefore are not receiving this magazine may be put on the mailing list by getting a card from their department office and seeing that the addressed cards are sent immediately to 202 Storehouse by campus mail.

The University Benefits from

GIFTS AND BEQUESTS, GRANTS-IN-AID (1947-48)

Gifts and Bequests

Previously Reported \$62,363.03

This Report \$ 3,260.00

Minnesota Jewish Council: 4-H CLUB FUND, \$1,350.

Land O' Lakes Creameries, Inc.: SCHOLARSHIP FUND, \$525.

NORWEGIAN-AMERICAN GRADUATE FELLOWSHIP FUND, \$610; J. P. Arms, Inc., \$340; Einar Hoidale, \$100; Franklin Creamery, \$100; H. J. Nelson, \$20; L. O. Hauge, \$20; Leif R. Larson, \$10; Karl R. Erichsen, \$10; A. M. Narum, \$10.

Mrs. Lydia Pritchard: VARIETY HEART HOSPITAL FUND, \$300.

College Entrance Examination Board: VETERANS STUDIES FUND, \$125.

Advertising Club of Minneapolis: LOAN FUND, \$100.

Mrs. Harold N. Elofson: OWEN H. WANGENSTEEN FUND FOR SURGICAL RESEARCH, \$100.

Charles T. Miller Hospital: FELLOWSHIP FUND, \$90.

George R. Metcalf for St. Timothy's House: COORDINATOR OF RELIGIOUS ACTIVITIES FUND, \$15.

COORDINATOR OF RELIGIOUS ACTIVITIES FUND: \$45; Father Leonard P. Cowley, Newman Foundation, \$25; Herbert W. Howard for Christian Science Organization, \$10; Kenneth E. Wade for Con-

gregational Students Fellowship, \$10.

To Division of Agricultural Engineering: Automatic Equipment Manufacturing Company of Pender, Nebraska: An aluminum Tractorkab.

To Department of Botany: Kodachrome lantern slides of native vegetation: Junior F. Hayden, 2304 Harriet Avenue, Minneapolis: 326 slides with accompanying volume, "Mushrooms and Toadstools"; John De Q. Briggs, 667 Goodrich Avenue, St. Paul: 129 slides; Walter J. Breckenridge, Museum of Natural History, 3 slides.

To Department of Geology: E. H. Finkelnburg, 363 W. Wabasha, Winona, Minnesota: 1500 Minnesota Cambrian fossils (collected by Mr. W. A. Finkelnburg).

Grants-in-Aid

Previously Reported \$588,382.65

This Report \$ 73,669.31

United States Public Health Service: \$25,381: CANCER DETECTION CLINIC, \$21,250; RESEARCH ON CARCINOMA OF THE STOMACH, \$2,268; RESEARCH ON MAMMARY TUMOR DEVELOPMENT IN MICE, \$1,863.

Wyeth Incorporated: RESEARCH OF ANEMIA OF INFANTS, \$15,967.

National Academy of Sciences: AMERICAN CANCER SOCIETY CARBON SEPARATION RESEARCH, \$10,100.

Minnesota Cancer Society, Inc.: RESEARCH FUND, \$5,000.

American Cyanamid Company: LEDERLE LABORATORIES RESEARCH IN ANIMAL DISEASES, \$4,500.

Minneapolis Star and Tribune: NEWSPAPER STUDIES FUND, \$4,200.

Swift and Company: RESEARCH IN BIOCHEMISTRY, \$2,000.

Carbide and Carbon Chemical Corporation: FELLOWSHIP IN ORGANIC CHEMISTRY, \$1,928.

Firestone Plantations Company: FIRESTONE FUND, \$1,350.

St. Barnabas Hospital: FUND FOR RESEARCH ON CORONARY BLOOD FLOW, \$1,000.

C. W. Mattson: CLARENCE DENNIS FUND FOR SURGICAL RESEARCH, \$500.

Dr. Arnold G. Schwyzer: OWEN H. WANGENSTEEN FUND FOR SURGICAL RESEARCH, \$150.

Fred W. Putnam in memory of his wife, Margaret B. Putnam: MALIGNANT DISEASE RESEARCH FUND, \$17.

Fremont Woodcock Post No. 216, American Legion (Princeton, Minnesota): RHEUMATIC FEVER RESEARCH FUND, \$12.

To Department of Bacteriology: Fromm Brothers: Equipment valued at \$1,564.31.

Staff Member of the Month . . .

Ryman ticket plan earns good will of public

CONFRONTED in August of 1946 with a problem of too many football ticket orders and not enough seats, Marshall Ryman, the University's business manager of athletics decided to bring this headache squarely before the public. His plan was amazingly successful.

In a pre-football season press-radio conference, Mr. Ryman told exactly in what manner tickets were allocated to students, "M" club members, faculty, the general public and fans supporting a visiting team. Through radio and newspapers the public was intelligently and thoroughly posted on what to expect in the way of ticket distribution.

The next step was to call in student leaders and take them into the confidence of the University's athletic officials. Thus, when a final plan for allocation of seats to students was worked out, the students were satisfied that they had been given consideration and fair representation. Despite the fact that many underclassmen received seats well behind the goal posts, there was little grumbling such as emanated from many other colleges and universities where an arbitrary plan had been put into effect.

The Minnesota lettermen, entitled by precedent to receive free tickets to every University athletic function were advised by their officers that certain fair restrictions would be levied upon all "M" pass holders. As a result of this attempt to develop a mutual understanding, there was vir-



Marshall Ryman is the man with the tickets, and he sees that they are fairly distributed to all groups.

tually no unfavorable reaction from these graduate lettermen.

The same procedure was employed before the basketball season of 1946-47 which presented Mr. Ryman with even a greater problem than had the football season. There were some 15,000 students holding season athletic books. This total equalled the capacity of the Field House. Again, Mr. Ryman's forthright approach and appeal to ticketholders' sense of fairness bore fruit in the form of a minimum of discontent.

The 1947 football season ticket problem was even greater than in 1946. This year, in addition to the same procedure employed with the press, radio, students, and "M" men, Mr. Ryman prepared a diagram of the Stadium showing exactly how many seats were available for the

many categories of people who were potential customers. These diagrams were released to daily papers and to ticket buyers.

Through the successful organization of this ticket procedure and by giving personal attention to any complaints, Marshall Ryman has done a really fine public relations job, not only for the Athletic Department, but for the University as a whole.

Graduate Privileges OFFERED STAFF

GRADUATE School privileges, tuition free for as many as six credits a quarter, are for the second year being offered to full-time Civil Service staff.

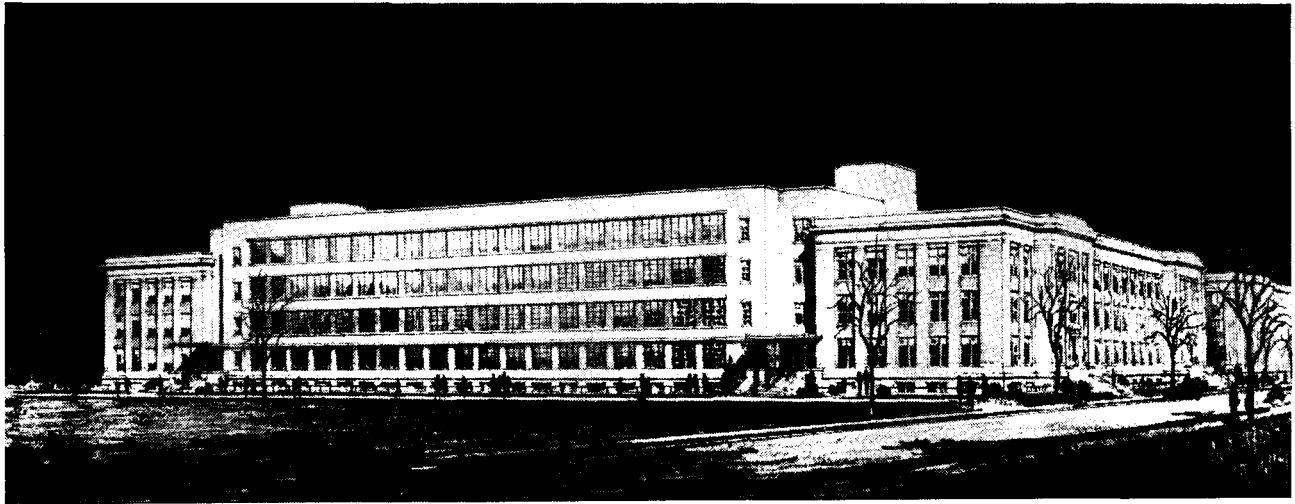
Academic staff, as usual, may consult with department heads and the Graduate School about registration.

Civil Service staff may enroll by getting a letter of approval from your department head and either making up working time or taking pay cuts proportional to the time spent in class. Registration will be subject to approval by the Graduate School, the same as for any other graduate student.

The only other requirement for Graduate School privileges is that your courses be in a field of study related to your present or prospective University position.

Registration for Graduate School is open until January 9. The Civil Service Personnel Office, 16 Administration, has complete application instructions.

Sixty Regents' Scholarships also are available yearly for Civil Service staff members who wish to take undergraduate credits. Applications are taken in the Personnel Office, Room 16, Administration.



Work Begun *ON NEW UNIVERSITY BUILDING*

CONSTRUCTION on the University's new Mechanical-Aeronautical Engineering Building has begun.

The new structure, which has been under consideration for the last 15 years, will adjoin the present Electrical Engineering Building and will face Church Street.

"U"-shaped, the Mechanical-Aeronautical Engineering Building, containing some 200,000 square feet of floor space, will form a huge "G" with its base on Church Street and will occupy a section of the present football practice field.

The west wing of the structure, joined on its south end to the Electrical Engineering Building and facing Church Street, will be approximately 230 feet long. It will house classrooms and offices principally and will be the same height as the Electrical Engineering Building.

Largest portion of the new building will be the north wing, which will extend eastward from the west wing and will parallel the Electrical Engineering Building and Electrical Laboratory. It will be about 385 feet long and 4 stories high and will contain shops and laboratories including

a machine shop, forge, engine testing shop, a woodworking shop and a low temperature laboratory.

These shops and laboratories will be primarily for the use of the Mechanical and Aeronautical Engineering Departments, but also will be available to other departments of the University's Institute of Technology.

The Aeronautical Engineering Department will occupy the east wing, which will extend some 300 feet southward from the east end of the north wing. This wing will be in line with the present Experimental Engineering Building and will form the "top" of the "G"-shaped unit.

Contained in the east wing will be classrooms, drafting rooms, offices, laboratories and shops, including one shop large enough to accommodate a complete airplane.

A helicopter landing platform and a meteorological laboratory will be constructed on the roof of the wing which will match the north wing in height. The aeronautical wing also will include a high altitude testing laboratory in which it will be possible to reproduce the conditions of high altitude flight.

Contracts awarded for the construction of the new Mechanical-Aeronautical Engineering Building totaled \$2,108,235.01, and included the stipulation that the building must be completed within 15 months.

Funds available for the construction of the building have been provided by the State Legislature during three recent sessions and total \$2,169,000.

Under the original appropriation, \$100,000 was allotted to the departments for furniture and equipment, but this amount has been absorbed by the building contract. This will mean that much painting, plastering and finishing will have to be eliminated.

Unfinished for now will be the Mechanical Engineering Department's laboratory to house internal combustion and jet engines and Aeronautical Engineering's cold room with a high altitude chamber.

Work on the building is progressing as fast as possible, although even when it is complete, the departments will have to get along for a few years with what equipment they already have or use surplus equipment.

The President's Page

FOR THE first time since the outbreak of the great war, the University is embarked upon a brick and mortar construction program, necessarily but too long postponed. This program will help to relieve the tremendous pressure on our classroom, laboratory and office facilities caused by the more than 28,000 students who are crowding our campuses.

Fortunately, we have been able to ease somewhat the insistent pressure for more space by erecting about 15 temporary buildings which have been turned over to us by the Federal Works Agency. Most of these structures were formerly used by the United States Navy. They have been adapted for use as offices, classrooms, cafeterias, and for study space, library purposes and laboratories. Cost to the University of these structures has run only a little above \$200,000 and the benefit we will derive from them represents many times that value.

The site of the new Mechanical-Aeronautical Engineering Building has been fenced off and bulldozers are at work, gnawing into the frozen turf at the corner of Seventeenth Avenue S.E., just beyond the Electrical Engineering Building.

Contracts for this structure totalling \$2,108,235.01 have been let, making it by all odds the most expensive building ever erected by the University, as might be assumed by anyone who has followed building costs. Yet the Mechanical-Aeronautical Engineering Building is a must because you may say, literally, that the two major departments that it will house have no homes at present. The building occupied by Mechanical Engineering has been a fire hazard for years. Space used by Aeronautical Engineering is in one end of the Armory and includes, believe it or not, what was once the pool used by the varsity swimming team.

Regents, alumni of our technological schools, students and staff have all been working for this much-needed building, and we must all breathe a sigh of relief to have it under way.

Also projected for early construction are two buildings at University Farm—a clinical building for our new School of Veterinary Medicine, for which \$600,000 has been appropriated, and a structure for Animal and Poultry Husbandry, for which we have \$460,000. Provision



of these projected buildings has been strongly, and rightly, encouraged by our agricultural population.

Other buildings are being given careful consideration and will be constructed from funds made available by the 1947 Legislature. Most advanced of these plans are those for a Chemical Engineering Building, a classroom building and a social science building, all to stand on the Minneapolis campus.

On our other campuses, a science building will be erected at the Duluth Branch and a classroom building at the North Central School and Station, Grand Rapids.

Among other projects are plans for expanding the men's and women's dormitory systems and for meeting a long list of other building needs, all of which are, in one way or another, pressing.

Doubtless *The Minnesotan*, in some future issue, will go into such projects as the splendid Mayo Memorial Building of the Medical College, which will remake completely the physical foundation of our College of Medical Sciences; and will tell about the Heart Hospital, for which the Variety Club of the Northwest has so generously provided.

Gratifying indeed is the fact that the State of Minnesota, through public and private agencies, thoroughly recognizes the work and worth of its University, and that we are being enabled to meet critical needs as rapidly as possible.

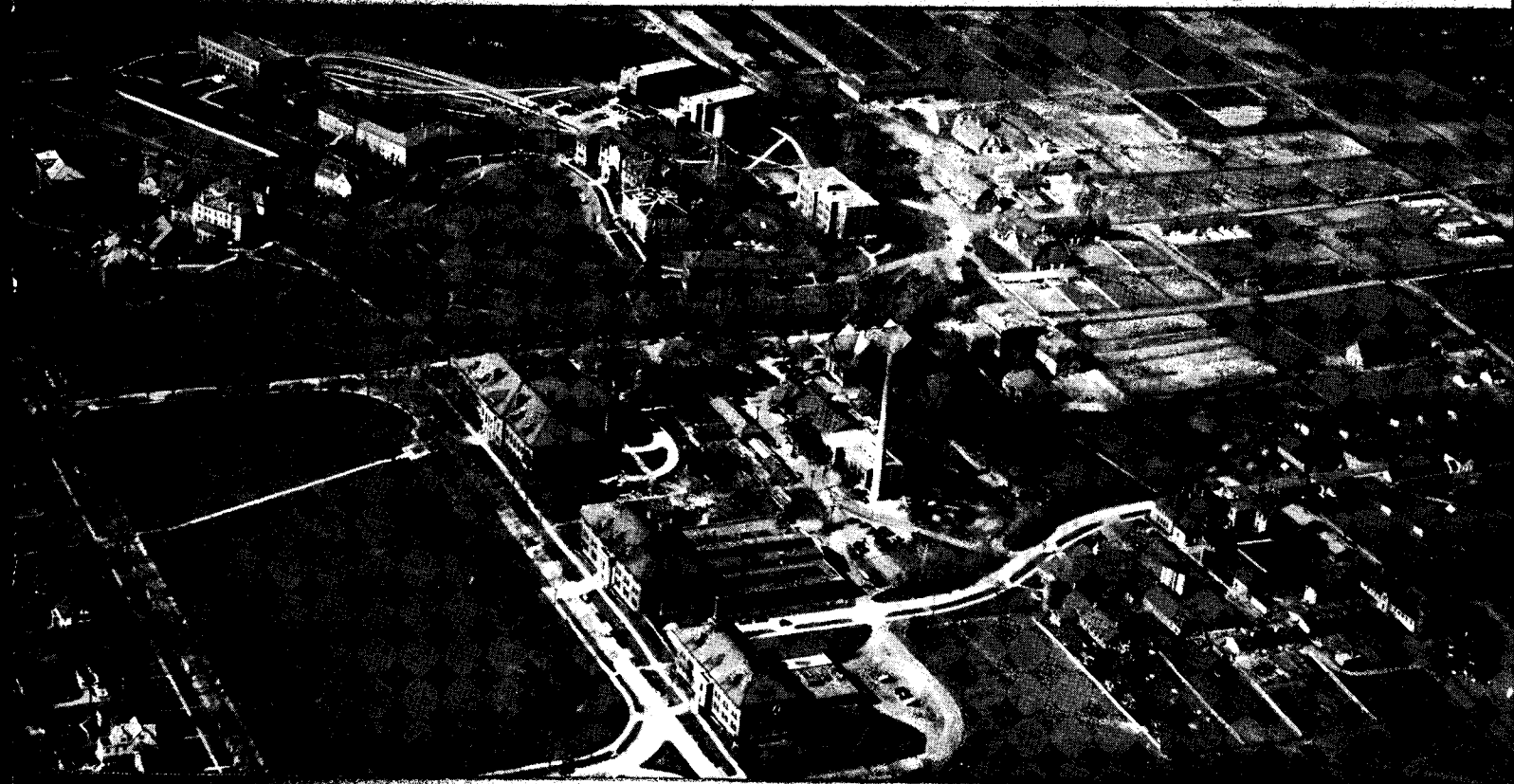
*f. L. Merrill**





TIME

Published for



VOLUME

JANUARY 15 TO FEBRUARY 15

The University of Minnesota Calendar of Events

CONCERTS: MINNEAPOLIS SYMPHONY ORCHESTRA (Northrop Auditorium)

Jan. 23—Dame Myra Hess, Pianist. 8:30 P. M.

CONCERTS: UNIVERSITY ARTISTS COURSE (Northrop Auditorium)

Jan. 21—Artur Rubinstein, Pianist. 8:30 P. M.

SIGNIFICANT UNIVERSITY BROADCASTS

KUOM. 10:45-11:00 A. M., Homemaker's Quarter Hour. Monday through Friday.
12:15-12:30 P. M. 2:00-2:15 P. M., 3:15-3:30 P. M., Newscasts. Monday through Friday.
1:00-1:50 P. M., Minnesota University of the Air. Harold C. Deutsch, Lectures on World War II. Monday, Wednesday, and Friday.
4:00-4:15 P. M., American Folklore. Every Friday.
KSTP. 11:30-11:45 A. M., Consumer Clinic. Every Saturday.
WCCO. 3:30-4:00 P. M., Darragh Aldrich. University guest. Every Thursday.
10:15-10:25 P. M. E. W. Ziebarth. News. Monday, Wednesday, and Friday.

ST. PAUL CAMPUS ARTIST SERIES (Auditorium, Administration Building)

Feb. 9—Blaisdell Trio. 8:00 P. M.

UNIVERSITY THEATRE (Scott Hall Auditorium)

Jan. 19-25—8:30 P. M. "Too Many Thumbs," Robert Hivnor, University English Department.

EXHIBITIONS

(University Gallery, Northrop Auditorium)

Jan. 26-Feb. 25—Institute of Design Exhibit.
Feb. 1-Feb. 15—Peiping, LIFE magazine photographic exhibit.
Feb. 1-Feb. 24—Norwegian Pottery.

CONVOCATIONS

(Northrop Auditorium, 11:00 a. m.)

- *Jan. 22—Melville J. Herskovits, chairman of the Department of Anthropology at Northwestern University.
"Patterns of Negro Music: The Background of Jazz."
- *Jan. 29—Men's Glee Club, University of Minnesota, Duluth Branch
Jackson K. Ehlert, professor of music, directing.
- *Feb. 5—Captain Michael Fielding, world traveler and commentator.
"The Powder Keg of the Middle East."

The Minnesotan is published during the academic year by the Department of University Relations, University of Minnesota. Copies are mailed free of charge to University staff members. Subscription rates for those not on the staff are \$2.00 a year, 25c an individual copy.

COPIES ARE ON SALE AT THE UNION BOOK STORE

Photographs throughout this issue of The Minnesotan were taken by the University Photographic Laboratory.

ATHLETIC EVENTS

(Basketball Games at Home)

Jan. 17—Illinois. 8:00 P. M.
Jan. 19—Iowa. 8:00 P. M.
Jan. 31—Michigan State. 8:00 P. M.
Feb. 7—Ohio State. 8:00 P. M.
Feb. 9—Purdue. 8:00 P. M.

(Hockey Games at Home)

Jan. 16-17—Michigan at the Minneapolis Arena.

FOREIGN FILM SERIES

(Northrop Auditorium)

4:00 and 8:00 p. m. (Admission by membership card, purchased from Visual Education Service.)

Jan. 28—"Russian Ballerina," Russian dialogue with English subtitles.
Feb. 4—"Star Without Light," French dialogue with English subtitles.
Feb. 11—"I Live as I Please," Italian dialogue with English subtitles.

SPECIAL EVENTS

Jan. 19—Joseph Knitzer, violinist. Museum of Natural History Auditorium. 8:30 P. M.
Jan. 22—Debate, University of Iowa Women's Team, "World Federal Government," Museum of Natural History Auditorium. 4:00 P. M.
Jan. 23—Observatory (on the roof of the Physics Building) open to the public. 7:00-9:00 P. M.
Feb. 5—Varsity Band. Coffman Memorial Union. 12:00 P. M.
Feb. 6—Observatory (on roof of the Physics Building) open to the public. 7:00-9:00 P. M.
Feb. 6—John J. Bittner, Sigma Xi lecture. "Investigating the Cause of Cancer." Northrop Auditorium. 8:00 P. M.
Feb. 13—Claude F. Dixon, Sigma Xi lecture. "Cancer Treatment Today." Northrop Auditorium. 8:00 P. M.

LECTURES

(Museum of Natural History Auditorium)

Jan. 18—Dwight Minnich, Professor and Chairman, Department of Zoology. "Famous Bird and Flower Prints." 3:00 P. M.
Jan. 25—Donald K. Lewis, Audio-visual Adviser. "Mesa Verde National Park and its Cliff Dwellings." 3:00 P. M.
Feb. 1—Donald K. Lewis, Audio-visual Adviser. "Eastern Minnesota Nature Trips." 3:00 P. M.
Feb. 5—Raymond Las Vergnas, Professor of English Literature. "American Influence on Contemporary French Literature." 3:00 P. M.
Feb. 8—Harvey L. Gunderson, Museum Assistant. "Birds of Utah's Bear River Marshes." 3:00 P. M.
Feb. 15—W. J. Breckenridge, Director of the Museum. "Managing Wild Life." 3:00 P. M.

*Programs also broadcast over KUOM.

DEPARTMENT OF ART IS FORMED

REORGANIZATION for Greater Service

THERE'S a new Art Department at the University of Minnesota this fall.

"Reorganized" probably is a better word than "new," for our present Department of Art integrates work formerly offered in the School of Architecture and other divisions of the Institute of Technology, courses in art education in the College of Education and subjects in the College of Science, Literature and the Arts.

Set up after nearly 20 years of planning, the new department still will not include specialized teachers' training courses in the College of Education or art work in the College of Agriculture, Forestry and Home Economics.

The effect then, is to turn over general courses to the new Art Department, and to continue professional functions with a greater degree of specialization in the other colleges. The relations between the departments will be close and cooperative.

H. Harvard Arnason is in charge of the University's new Art Department. A former instructor in the Department of Art at Northwestern University, he also was curator of the Frick collection, New York and professor of art at the University of Chicago for a time.

During this first year of the new department's work, he, and all the rest of the staff, are working very hard to give a central pattern to all the various art courses offered on the University campus.

Plans for the future of the Art Department are enterprising. The staff

hopes, first of all, to eliminate duplication in the different art courses offered.

A new introductory course combining lectures and studio work and given jointly by members of the department will be among the first classes added. Students will be required to take this course as a prerequisite to any other offered in the department.

A unified course numbering system will go into effect next year, too, so that students will have an easier time of selecting courses and know exactly what type course they are registered for. This procedure also is

expected to be a boon to harried counselors.

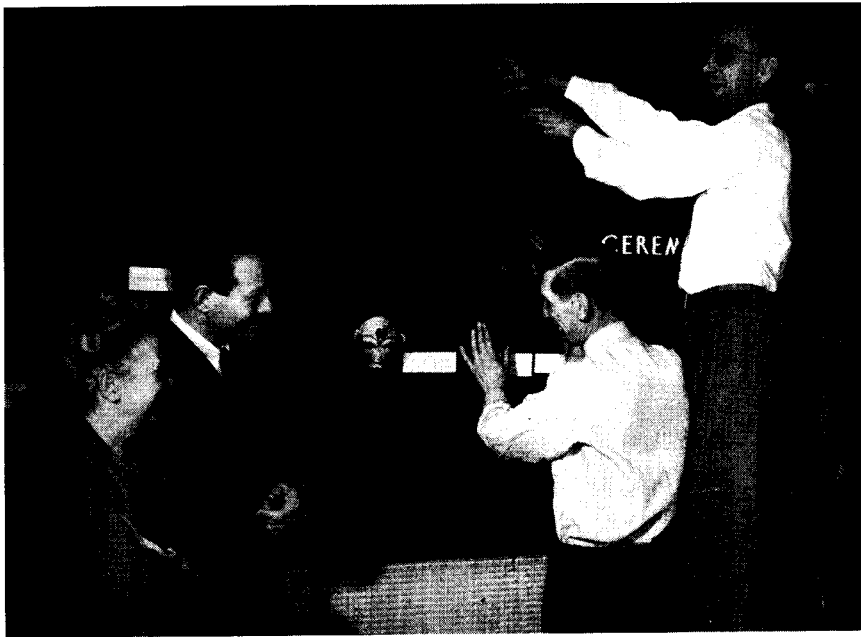
THE staff is attempting to pull together the many art courses into a series of major sequences. Students now will be able to major in one of four groups—history, design, drawing and painting or sculpture and crafts.

These courses in the new Art Department are aimed to contribute mainly to general education. "It is not," according to Mr. Arnason, "our primary concern to train professional artists."

He considers the Art Department



Discussing student sculpture are John Rood, Hazel Stoick, H. Harvard Arnason, Ivan Doseff, Walter Quirt and Elmer E. Young. The work is done in both hard and soft woods.



Mrs. Ruth Lawrence and William Saltzman help Carl H. Hawkinson and Robert Reynolds pick the right spots to hang Gallery exhibits. The Gallery is located on the third and fourth floors of Northrop Auditorium.

primarily a service department—set up for the use of the University at large.

Over 90 per cent of the students taking art courses are not majoring in the department, and want a general art education rather than professional training. The department, then, is training potential patrons of art rather than artists in the case of most students.

FOR students who plan to major in the practice of art, the department will offer a sound training in the fundamentals of the profession to prepare them for entry at advanced standing in professional schools, throughout the country.

Still, for the benefit of all, the department has set its standards of work very high. Any student work, particularly in the practice of art, must be judged by the staff to be acceptable in any professional school in the country.

“We hope,” explains Mr. Arnason, “to bring several new instructors to the department, adding to the num-

bers of our already fine faculty, and enabling us to give even more attention to our students.

“We expect to strengthen our art history section especially, in time developing a number of courses in collaboration with Humanities studies, the English and Philosophy Departments.”

THE University Gallery is an important part of the new Art Department, and as a result of the affiliation will be able to more closely associate exhibitions with actual material taught in classes. It is expected that Gallery facilities in Northrop Auditorium soon will be expanded to include larger study rooms and more space for the examination of prints, photographs and original art works of all types.

Except for the Gallery, Mr. Arnason is attempting to move as many art courses into Jones Hall as the building has room for, allowing the overflow to meet in Architecture

Continued on page 13



Bettye Johnson is very intent on explaining a woodcut to Ellsworth Bishop, John M. Socha, Hilma Berglund, Forbes J. Whiteside, Richard Wiggin, Carlos Nestler—all standing, and to Catherine Billings and Marguerite Torbert who are sitting and taking things easy.

HEALTH SERVICE

Physical Examination, Clinical Care Available to Staff at \$20 a Year

POSSIBLY one of the less-known services provided to regular faculty and Civil Service staff members by the University of Minnesota is that of care, under certain conditions, by the Students' Health Service. This care has been available since it was authorized by the Board of Regents in 1931. At any given time, however, a relatively small percentage of the total staff has seen fit to avail themselves of it, says Dr. Ruth E. Boynton, director of the Health Service.

Faculty members and Civil Service personnel are eligible for Health Service care when they are appointed to any position that calls for six months or more of employment during any fiscal year. Inasmuch as the academic year is nine months long, half-time employees working on that basis would not be eligible, as their entire year's service would be less than six months.

Charge for staff Health Service privileges is \$20 a year. This covers only the staff member. As yet, other members of staff families have not been made eligible.

For \$20, the subscriber is entitled to a complete physical examination annually, together with clinical and medical advice and care in the Health Service. Faculty and staff should observe that neither house calls by a physician nor hospitalization are included in this service. Those, however, who carry staff hospitalization insurance are eligible for admission to University Hospitals under the usual rules, and at the rates provided in the Hospitalization Plan.

Membership in this Health Service group permits the staff member to make an appointment for attention in any specialty, such as eye, ear, nose and throat, neurology or allergies.

Dental care as well as general and specialized medical care, can be obtained at the Students' Health Service. Payment is on the same rates as those charged to students. For services on a self-supporting basis, such as X-rays, physiotherapy, eye examinations, drugs and the like, charges are the same as those made to students and are not covered by the annual \$20 fee.

AT present somewhat fewer than 300 members of the University's staff are availing themselves of Health Service privileges, and the number has never been greater than this, although all are eligible.

Memberships ordinarily run from September 16 to the following September 15, but anyone eligible may join at any time, paying the proportionate charge to the coming September 15. Those who join on this short-term basis, however, also must agree to take a full membership for the succeeding year. This is to obviate the possibility of joining for a brief term and in that period obtaining medical services, including a complete physical examination, of much greater value than the payment made.

These privileges in the Students' Health Service are made known to all new appointees to the University.

It may be that some of the older staff members, who were employed on the campus when the Board of Regents acted, may not have been aware of them.

CLEARLY stated in a Health Service description that is placed in the hands of all new appointees are the following additional facts concerning available Health Service privileges.

"To be eligible for a periodic health examination, a member must have paid for one annual period. For example, if a person who joins on July 16 desires to avail himself immediately of the periodic health examination privilege, he would make a payment of \$23.34 of which \$3.34 constituted the membership fee for the two months ending September 15, and the balance (\$20.00) for the following twelve months.

"It should be noted that a member automatically drops his membership if he leaves the employment of the University. If this separation takes place during the first half of the membership year, he will receive a \$10 refund unless he has had a periodic health examination, in which case he is not entitled to any repayment. No refund will be made to a member whose University service terminates during the last half of the membership year, or to one who drops his membership for any reason other than terminating his University employment.

"It should be noted also that only
Continued on page 15

Going Someplace?

Strobolight Catches Fastest Action

THE University Photographic Laboratory on the St. Paul campus can handle just about any type of picture-taking assignment, and one of the reasons is an impressive-looking photographic outfit which is known as Strobolight.

A glass coil almost the shape of an ordinary light bulb set in a reflector is only part of the equipment. A condenser, charged by ordinary electric current, discharges in its turn a very high voltage current through the gas-filled tube or coil. The result is an extremely bright light for just a fraction of a second.

Bright though it is, the light seems relatively unimportant to the human eye as it flashes—probably because it goes off at speeds up to 1/10,000 of a second and is just too fast to see.

The life of the Strobolight tube, according to Venning P. Hollis, manager of the Photographic Laboratory on the St. Paul campus, is about 2 minutes, but considering the length of each shot, he estimates that each bulb should give about 5,000 flashes.

Perhaps you're wondering about the advantages of such a fast picture-

taking apparatus, asking just what makes this equipment so valuable to the Photographic Laboratory.

As in the case of the microscope and telescope which make visible things too far away or too small to be within the range of vision—so the Strobolight makes visible things too fast for the human eye to see.

The Strobolight can be used for taking pictures of almost anything moving. Its speed is so fast that it catches insects in flight, animals running and the apparently lightning-fast movements of small babies.

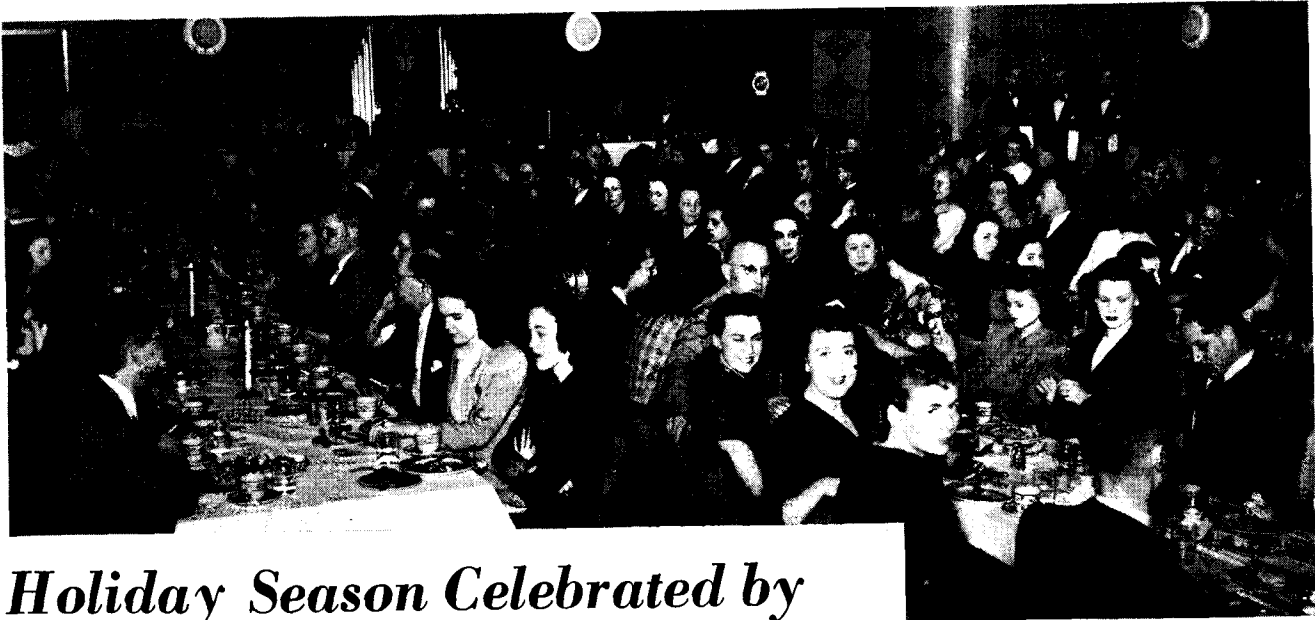
Continued on page 15



Hockey at its most exciting—caught by Photographic Laboratory's portable Strobolight equipped camera. Notice how each chip of flying ice is stopped in mid-air by the camera's speed.



Scientist Fritjof Christensen puts Strobolight to still another use as the camera stops action in his transverse wave experiment. The belt, just struck with the hammer, is traveling at 50 feet per second.



Holiday Season Celebrated by University Staff Members

THE University seems to be the place to work if you enjoy Christmas holiday get-togethers.

Practically every department and school has had a celebration of one sort or another during the past few weeks, with some groups enjoying a coffee hour or tea, still others having a more elaborate party. Probably one of the largest staff entertainments was the tea for all University Hospitals personnel held in the Nurses' Home. Nearly 500 attended during the afternoon.

Another big party was the Business Office luncheon. One of the more complicated affairs, it included a Christmas greeting from President James L. Morrill, President Emeritus Walter C. Coffey, and Vice-Presidents William T. Middlebrook and Malcolm M. Willey. A chorus made up of staff members from the Business Office sang carols of many nations, while a novelty band and a trio of extremely novel "waiters" also entertained. Alfred H. Cheese was general chairman.

Mechanical Engineering, Experimental Engineering and the Oak Street Laboratory combined pleasure with doing something for others less fortunate. Staff members enjoyed a coffee hour together, then contributed to buy a radio for the children's ward of University Hospitals.

On the St. Paul campus, a major event was the annual open house held by Dean Clyde H. Bailey's office. Invited were staff members of the Library, Veterans' Bureau, School of Agriculture, Admissions and Records and the College of Agriculture, Forestry and Home Economics office staff. An impromptu program of Christmas carols was led by girls from the various offices.

Dean Robert E. Summers of Admissions and Records celebrated the holidays with his staff members by holding a coffee hour for them at the Campus Club.

In the School of Mines and Metallurgy, the faculty held a Christmas tea.

The Co-Efficients, campus organi-

The Business Office staff enjoys a pre-Christmas luncheon in the Junior Ballroom of the Union. The three "French waiters"—part of the entertainment—are standing in the background. Nearly 200 staff members attended.

zation of non-academic clerical women employees of the University, had a Christmas party for themselves and did a good turn, too. At the party, the girls made paper hats, favors for a children's ward New Year's Eve celebration at University Hospitals.

THE Minneapolis campus Library party was held in the staff room, complete with a Christmas tree, refreshments, and an international theme. Families of the Library staff came, too, and when the party was over, three huge boxes of toys—brought by the party-goers—were sent to the Margaret Barry Settlement House.

Featured at the Union Christmas party, a luncheon with favors for everyone, was a unique duet starring

Continued on page 12

The University Benefits from

GIFTS AND BEQUESTS, GRANTS-IN-AID (1947-48)

Gifts and Bequests

Previously Reported \$65,623.03

This Report \$22,290.55

E. I. du Pont de Nemours and Company: \$4,500: POSTDOCTORAL FELLOWSHIP IN CHEMISTRY.

E. I. du Pont de Nemours and Company: \$4,000: POSTGRADUATE FELLOWSHIP IN CHEMISTRY.

E. I. du Pont de Nemours and Company: \$4,000: POSTGRADUATE FELLOWSHIP IN CHEMICAL ENGINEERING.

General Mills, Inc.: POSTDOCTORAL FELLOWSHIP FUND, \$1,800.

Izaak Wal, through the Barclays Bank: SCHOLARSHIP (custody only), \$1,700.

Walter H. Nyberg, Attorney in Fact for Adelia I. Eggestein: ALL-UNIVERSITY SCHOLARSHIP FUND, \$1,500.

Minneapolis Star and Tribune: NEWSPAPER STUDIES FUND, \$1,333.55.

CREATIVE MUSIC SCHOLARSHIP FUND: \$1,200: C. O. Kalman, \$1,000; Dr. Frederic E. B. Foley, \$200.

An anonymous donor: LAW FACULTY SCHOLARSHIP FUND, \$1,000.

American Foundation for Pharmaceutical Education: EDUCATION FUND, \$600.

The Presser Foundation: SCHOLARSHIP FUND, \$250.

Minnesota Association for Crippled Children and Disabled Adults, Inc.: PURCHASE OF BOOKS AND SUPPLIES FOR PATIENTS AT THE UNIVERSITY HOSPITALS (Budget 2400-6433), \$100.

Sanford Hall Council: GRACE C. NELSON SCHOLARSHIP FUND, \$100.

Duncan McConnell: WILLIAM HARVEY EMMONS FUND, \$100.

NORWEGIAN-AMERICAN GRADUATE FELLOWSHIP FUND: \$35: T. A. Eide, \$25; Walter Eng, \$10.

Dr. G. M. Schwartz: WILLIAM HARVEY EMMONS FUND, \$25.

Thirteen donors in the Minnesota Department of Health: WILLIAM A. O'BRIEN SCHOLARSHIP FUND, \$19.

FREDERICK J. WULLING TRUST FUND: \$20: Mrs. L. J. Bardwell, \$10; George L. Lang, \$10.

University Y.M.C.A.: COORDINATOR OF RELIGIOUS ACTIVITIES FUND, \$13.

MALIGNANT DISEASE RESEARCH FUND: \$10: Mrs. H. H. Barber and family (as a memorial to Dr. O'Brien), \$5; Faculty Women's Club in memory of Mrs. Martha Washburn Allin, \$5.

To Division of Horticulture: (also used by Home Economics Division) Coolerator Company, Duluth, Minnesota: A Coolerator freezer.

Grants-in-Aid

Previously Reported \$662,051.96

This Report \$ 43,039.50

United States Public Health Service: RESEARCH ON CHEMOTHERAPY OF SCHISTOSOMIASIS AND FILARIASIS, \$15,662.

Nutrition Foundation, Inc.: VITAMIN E RESEARCH (\$3,300 annually for two years), \$6,600.

Battelle Memorial Institute: INSTITUTE RESEARCH, \$4,400.

Junior League of Minneapolis, Inc.: VARIETY CLUB HEART HOSPITAL FUND (to equip a physiological laboratory), \$5,000.

FRANK E. BURCH RESEARCH FUND IN OPHTHALMOLOGY: \$4,587.50: Mrs. Glen S. Taylor, \$2,000; 75 shares of Archer-Daniels-Midland Company from Dr. Frank E. Burch, \$2,587.50.

American Potash Institute, Inc.: INSTITUTE RESEARCH (\$1,200 a year for three years), \$3,600.

Mr. O. B. Rosenblatt and sons: FLORA ROSENBLATT FUND FOR CANCER RESEARCH, \$2,500.

PHARMACOLOGY RESEARCH FUND: \$1,180: Eli Lilly and Company, \$1,000; G. D. Searle & Company, \$180.

Archdiocese of Saint Paul: COORDINATOR OF RELIGIOUS ACTIVITIES FUND, \$500.

Ciba Pharmaceutical Products, Inc.: RESEARCH ON HORMONAL FACTORS IN UNDESCENDED TESTIS, \$500.

National Academy of Sciences: ASTRONOMICAL RESEARCH FUND, \$500.

Minnesota Valley Canning Company: COMPANY RESEARCH, \$450.

MALIGNANT DISEASE RESEARCH FUND: \$30: Rollo H. Wells, \$10; Victoria M. Olmsted, \$10; W. H. Olmsted, \$5; Mildred L. Hillhouse, \$5.

Friends of Martha W. Allin, Minneapolis and Home Office (Hartford, Conn.) of Connecticut Mutual Life Insurance Co.: MALIGNANT DISEASE RESEARCH FUND, \$25.

National Veterans Association, Inc.: VARIETY HEART HOSPITAL FUND, \$5.

The Minnesotan

Scholarships Awarded

19 WINNERS ANNOUNCED

NINETEEN University staff members are a little busier than usual this quarter. Winners of Regents' Scholarships, they are taking, tuition-free, as many as six credits in fields of study which are related to their jobs.

These courses should not be offered by the Extension Division, in order for the staff members to be qualified under the terms of the scholarships, unless, of course, there is some very good reason why the classes cannot be taken in Extension.

These lucky people don't have to make up the time they spend in class, either; that privilege is included in the scholarship benefits.

The Board of Regents set up this plan for Civil Service staff members in 1939, and through it 60 scholarships are awarded each year.

Winners are selected by the Civil

Service Committee. Its decisions are to some extent influenced by the applicant's previous service record.

Full-time staff members may file for spring quarter Regents' Scholarships in Room 17, Administration. Even though a previous application may not have been accepted, any staff member may refile. Dates on which applications are accepted will be announced in the bulletin of the Minnesota Daily. There are 19 Regents' Scholarships available for spring quarter.

The winners for winter quarter are: Wayne L. Adams, laboratory assistant, Physiology; Elnore V. Anderberg, senior secretary, Personnel; Vuriel Mae Anton, clerk-stenographer, Graduate School; Rita Archambault, secretary, Coffman Union; Walter Carlson, laboratory assistant, Physiological Hygiene.

Phyllis Fresonke, clerk-typist, Office of Dean of Students; Angeline Lekas, clerk-stenographer, Student Activities Bureau; Vera Makiverta, senior librarian, Library; Edmund Louis Mallet, laboratory technologist, Public Health; Edith Martin, clerk, Poultry Husbandry.

Christine A. Mathis, senior clerk-typist, Library; Francis McGuire, principal laboratory attendant, Botany; Carol K. Nelzark, clerk-typist, German Department; Evelyn Ruth Nesvold, senior clerk-typist, Veterans' Affairs.

John D. Parrish, assistant scientist, Mines Experiment Station; Marlys Parsons, senior clerk-typist, Admissions and Records; Helen B. Wik, senior clerk, Library.

Sarah N. Wrenn, housing inspector, Students' Health Service; Norma Irene Zelik, secretary, Library.



Regents' Scholarships winners for winter quarter include Angeline Lekas, Rita Archambault, Phyllis E. Fresonke, Vuriel M. Anton, Marlys A. Parsons, Elnore Anderberg and Carol K. Melzark in the front row. In back are John D. Parrish, Walter Carlson, Norma Irene Zelik and Vera Makiverta.

Teachers Without Classrooms

COUNTY AGENTS AID FARM OUTPUT

“SEE the County Agent” has long been a watchword of American Agriculture. Farmers everywhere know him, come to him for aid, and respect the information he gives. They look to him when their grain is endangered by a new disease, when their dairy herd suffers a sudden slump in production, or when their land fails to produce a good crop.

This man who is called upon to meet

these and many other problems is a member of the teaching staff of the University of Minnesota Agricultural Extension Service. He is cooperatively employed by the county, the University and U. S. Department of Agriculture. In practice, however, he works for Mr. and Mrs. Farmer.

The county agent's job is educational. It is teaching outside the research laboratories and classrooms and beyond

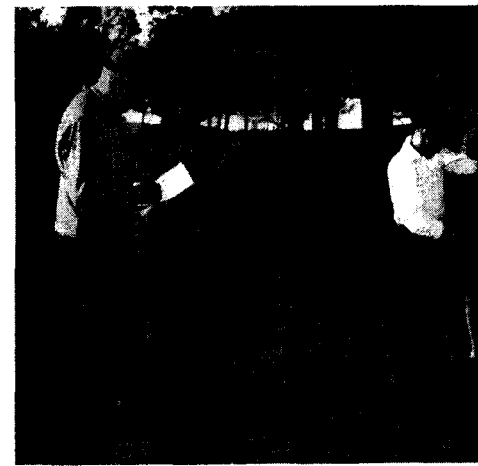
college walls. The county agent brings farmers and homemakers the results of agricultural research by the Minnesota and other state experiment stations, the U. S. Department of Agriculture and the experiences of successful farmers.

Local headquarters for most county agents is the court house in the county seat. State headquarters is at University Farm, where Paul E. Miller directs the entire Minnesota Agricultural Extension Service and where a staff of subject matter specialists are at the call of the county agent.

The county agent is a busy fellow, perhaps the busiest on the University staff! Last year 91 of them—at least one for every county—made 35,000 farm visits; had 185,000 visitors to their offices; received 140,000 telephone



It's a pleasure! J. I. (Jap) Swedberg, Redwood County agent, at right, discusses the success of the year's corn crop with a farmer who has attended school at the University Farm.



Robert Freeman, dean of Minnesota's 4-H, has been serving Ramsey County farmers since 1917. He has recently judged a 4-H dairy heifer.

calls; placed 16,000 news articles; attended or spoke at over 5,000 meetings; and conducted 600 tours. His day often lasts from eight in the morning until midnight.

It's almost impossible to find a farm in Minnesota that has not adopted some new practice as a result of these activities.

The county agent has always been an important cog in revolutionizing Minnesota agriculture. His efforts were instrumental in 1913 in instituting a program controlling Minnesota's most disastrous outbreak of hog cholera. In the early twenties he was a leader in the establishment of two great cooperative marketing associations, Twin City Milk Producers Association and Land O'Lakes Creameries. In the thirties he aided farmers in meeting depression problems. And now in the forties he is helping farmers reach record goals in farm production.

The famous 4-H club movement is the best known county agent program. Under his leadership, over 50,000 young boys and girls every year learn better farming, homemaking and citizenship.

The county agent's job is a big one. Agriculture is a constantly changing



Carl Ash, right, county agent for West Polk County, works out 1948 plans with Paul E. Miller, director of the University of Minnesota Agricultural Extension Division.

business, and the county agent helps farmers keep up with the rapid advances in his industry. He gives latest information on feeding and managing the dairy

herd and improving livestock production. Soil conservation and soil fertility problems occupy a large part of his time. Weed control and proper use of new weed killers such as 2, 4-D are important questions he must consider. The tremendous increase in agricultural production during the past few years has come partly as a result of the agent's efforts to bring new, improved crop varieties to farmers' attention.

When President Truman this fall asked that farmers conserve feed, the county agent led the drive to save it. Emphasis was on efficient feeding rather than on indiscriminate sacrifice of livestock.

The county home demonstration agent, whose job will be discussed in a future issue of *The Minnesotan*, compliments the work of the county agent by bringing information on every phase of homemaking to county women.



Ronald McCamus, left, Kandiyohi County agent, takes time out to talk over creamery problems with a Wilmar butter-maker.

county agents, has
1920. Here he

Choose Your Method of Payment Now

THIS is the time of year for income tax problems, and University staff members are beginning to ask many of the same questions that worry citizens everywhere.

The first problem is, which one of the three income tax forms must I use?

One form that may be used by University staff members is Treasury Form W-2 Withholding Statement—1947. This form is filled out by the Business Office of the University for each staff member; when you get yours, you will find that it shows the amount of salary paid to you and the amount of income tax withheld by the Federal Government for the calendar year 1947. These forms will be in the mail to each University staff member not later than January 31. The information on this form is indispensable, no matter which of the three tax forms staff members decide to use.

Along with the W-2 form, all staff members will receive in the mail an earnings record which gives details of every pay check for the year, showing all payments and deductions made.

The University is one of the few institutions of its kind in the country which supplies this form as a special guide to the people in its employ, even though it is a great deal of extra work for the Business Office staff. This record will be of special help to those staff members who decide to use the longer income tax forms.

The Business Office is ready, even anxious, to help staff members who have encountered problems concerning their tax deductions from Univer-

sity paychecks during the past year.

If staff members can wait until February 1 to make the telephone calls, Alfred H. Cheese, assistant chief accountant, Ext. 6422, will be glad to answer any questions about salary paid and tax withheld. Before that time, the department has its hands full sending out approximately 15,000 W-2 forms—one to every person who has worked at the University during the past year—and telephone calls about taxes simply cannot be handled.

TREASURY Form W-2 may, in itself, be used provided your gross income is less than \$5,000 and is derived entirely from wages, dividends, and interest, with dividends and interest amounting to not more than \$100. This clearly is the simplest method of filing your return. You're not bothered with any deductions of any sort if you use it. When this form is completed by you, and is sent to the Collector of Internal Revenue, the tax which you owe will be computed.

When used as a return, the W-2 Withholding Statement has no entries for the deduction of expenses. The collector who computes the tax will use a tax table which is a shortcut method of finding income tax.

The table automatically allows about 10 per cent of your adjusted gross income as an average allowance in lieu of these deductions.

WHEN the collector has figured the amount of any unpaid additional tax due on the Withholding Statement return, he will send you a bill. This bill must be paid within

30 days after its mailing. If, of course, the amount of the tax already withheld exceeds the amount that's due, you will get a treasury check as a refund.

If you are on the miscellaneous or mechanics payrolls, you may find that the amount reported by the University for the year does not quite coincide with your own records. If this is true, it will be because your earnings for the last half of Decem-

Continued on page 12

University Sponsors 1,156 LECTURES

FORMER University President Lotus D. Coffman used to say that it would be possible for a person to obtain a good education on the University campus without ever going into a formal class.

One proof of his statement is the 1,156 lectures given on the campus during the academic year 1946-1947. This amounts to an average of almost 5 lectures a day.

Speakers talked on subjects as varied as international relations, insect pests, surgical treatment in cardiac conditions and Minnesota wildlife.

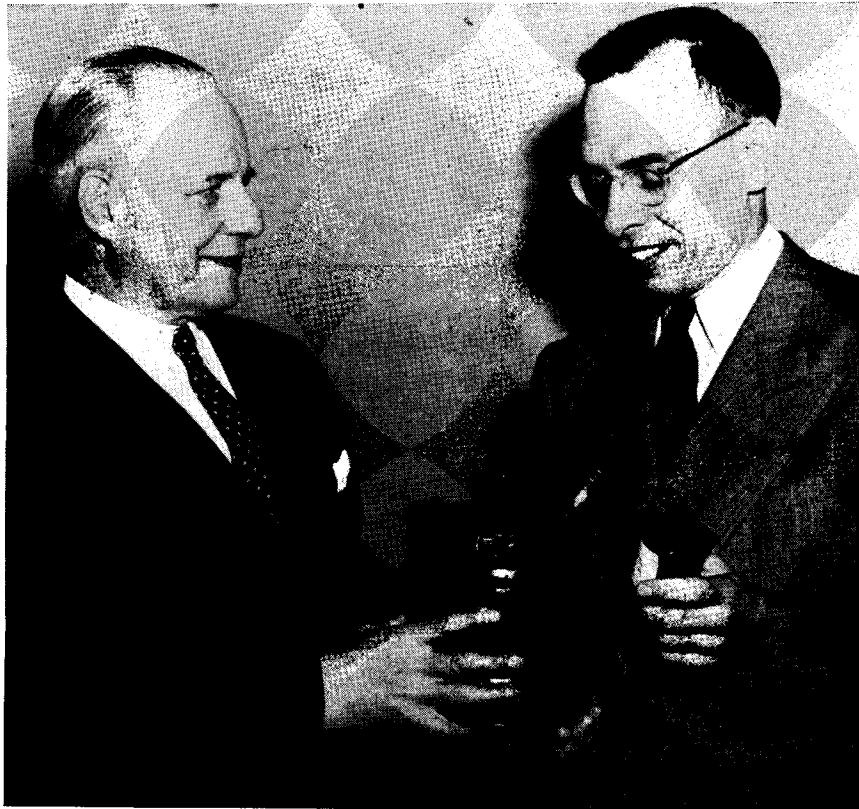
Of the 1,156 talks, over half were given by University staff members or students—460 by staff and 165 by students, either graduate or undergraduate.

Staff members who would like to know of lectures being given on the campus can keep informed by checking the daily bulletin in the Minnesota Daily where notices of all such talks are listed.

The Minnesotan

Staff Member of the Month . . .

Little Red Oil Can honors services of Keith N. McFarland to University



Keith N. McFarland, right, this year's winner of the Little Red Oil Can, St. Paul campus award for outstanding service, receives the prize from Dean Henry Schmitz.

KEITH N. MCFARLAND, instructor and assistant to the Dean of the College of Agriculture, Forestry and Home Economics, is the proud possessor of a rather unusual award—a somewhat battered oil can.

Now this Little Red Oil Can is no ordinary container of its type. This one is presented each year to the outstanding student or staff member who is judged to have rendered the most service to the St. Paul campus.

Former owners of the can include staff members Vetta Goldstein, assist-

ant professor of Home Economics; Irene L. Hansen, senior secretary, and Gladys M. Anderson, secretary; Dean Clyde H. Bailey, director of the Department of Agriculture.

In making the presentation during the St. Paul campus Christmas assembly, Dean Henry Schmitz, of the College of Agriculture, Forestry and Home Economics, said, "Mr. McFarland is liked and appreciated by all students and staff members. He is liked for his enthusiasm, friendliness and unselfishness in working

for the welfare of the college. I am certain that I express the sentiment of all of you when I say we are happy that Mr. McFarland is with us."

Mr. McFarland came to the University in February, 1946, to finish his education after being in the armed forces. He found a job in the office of the Agricultural College.

Recently, in addition to his duties as assistant to the dean, he has been named by President James L. Morrill as a faculty member of the Union Board of Governors.

Mr. McFarland also is a member of the Campus Chest Board of Directors, an advisor to the Ag Club Commission and a member of the College of Agriculture, Forestry and Home Economics Student-Faculty Intermediary Board.

Classes Open in Extension Division

STAFF members of the University still have an opportunity to enroll in spring semester Extension classes. Registration remains open until Saturday, February 7, without late fee. Classes start on Monday, February 9.

You may register by merely telephoning Ext. 6275, or if you wish, by visiting the new offices of the General Extension Division in the south wing of Nicholson Hall.

Registration is open also at 690 Northwestern Bank Building, Minneapolis, and 500 South Robert Street, St. Paul. The Duluth Extension Division is in the Alworth Building.

Classes offered include everything from Russian and accounting to swimming and home landscape planning.

Popular with University staff members, according to Mellie Phillips of the Extension Division, are job-improvement courses and recreation classes.

Holiday Season Celebrated CONTINUED



Party hats for hospitalized children are accepted by Helborg Gilbertson (right) administrative secretary, from Co-Efficients Henrietta Novy, Margaret Peterson, Margaret Roddy, Marion Olson and Ellen Skibness.

G. Ray Higgins at the violin and Robert E. Christine at the piano. "Never heard anything like it before," said one Union staff member.

The Graduate School staff was entertained at a tea given by Dean and Mrs. Theodore C. Blegen at their home.

Staff members who deal with Room Scheduling shortly before the holidays were notified officially that they were scheduled to be in Room 307 Northrop on December 23. Upon arrival, they discovered their appointment was with coffee and Christmas cookies.

The Division of Soils on the St. Paul Campus had its annual holiday luncheon at the office. All staff members present exchanged small gifts.

Many other departments and schools not listed here had parties as well; still smaller groups of individuals who have worked together for the past year—secretaries, engineers, professors—also gathered for

lunch or coffee to celebrate the Christmas season.

Taxes, Taxes, Taxes

CONTINUED

ber, 1946, are included in your 1947 earnings, and your earnings for the last half of December, 1947, will be included in the University statement of your 1948 earnings as the University is required to report on a cash basis.

If you do not use Treasury Form W-2 for your income tax return, you must use Treasury Form 1040. Individuals who use this form fall into two groups: those who use the long form and those who use the short form. If your adjusted gross income is \$5,000 or more, you *must* use the long form. Individuals with an adjusted gross income of less than \$5,000 *may* use either the long or the short form.

Adjusted gross income is determined, as the form will indicate, by deducting from your gross income certain expenses, including business, travel, rent and royalty income expenses, losses on the sale of property, and so on. The short form ultimately allows you, in place of specified and active personal deductions and credits, 10 per cent of your adjusted gross income. Those who must use the long form will probably wish to take advantage of all contributions and deductions possible, but may, if they wish, take a blanket deduction of \$500 instead.

THERE are many deductions which University staff members can take, not all of which can be listed in this article, but they include such things as dues and assessments paid professional societies and trade unions, cost of attending meetings and conventions of professional groups, the cost of professional books if they have a short life (if they have a long life an annual depreciation deduction may be taken), repairs to tools, instruments, and equipment needed by you in your work and not provided by your employer; and if you fill out the long form of Form 1040, the cost and maintenance of uniforms in some instances is deducted.

Finally, staff members are encouraged to get out lots of nice, white sheets of paper, several well-sharpened pencils, a few aspirin tablets, and all of the receipts which you have collected for church and charitable contributions, state and other deductible taxes, statements of royalties, personal expenses incurred in the writing and publishing of articles, and on and on. Compute your tax in as many ways as are open to you and use the method which gives you the greatest number of advantages.

Art Department

CONTINUED

classrooms and in temporary buildings.

"All members of the staff," says Mr. Arnason, "are full of ideas and plans to make the most of this new single-department setup. We think that the reorganization will, more than ever, enable us to fill a need in both the curriculum and the cultural life of the University community."

Staff members of the Department of Art include Mrs. Ruth E. Lawrence, director of the University Gallery; William Saltzman, her assistant; Betty Maurstad, Gallery librarian; and Elvie M. Berggren, secretary.

Carl H. Hawkinson and Robert Reynolds are Gallery mechanics.

Ivan Doseff, associate professor, has been with the department since 1926. Elmer E. Young, however, is senior member of the department and



A painting by Kyle Morris, center, draws the attention of Josephine Rollins, Samuel Sabean, LeRoy Turner, Helen Haley and Peter Lupori—all of the Art Department.

has been a staff member since 1922. He is an assistant professor.

John Rood, assistant professor, is

known nationally both for his painting and sculpture; Walter Quirt and Kyle Morris, assistant professors new to the department this fall, have also won national recognition for their paintings.

Josephine Rollins, assistant professor, is founder of the Stillwater Art Colony; Hilma Berglund, instructor, is wellknown for her work in the weaving field.

OTHER instructors in the Department of Art, each of them highly trained along artistic lines, are Catherine Billings, Ellsworth Bishop, Helen Haley, Bettye Johnson and Peter Lupori.

Carlos Nestler, Samuel Sabean, Hazel Stoick, Marguerite Torbert, LeRoy Turner, Frank W. Verrall, Forbes J. Whiteside, John M. Socha and Richard Wiggin are also instructors.

Sally Wruck is secretary for the department, which has its headquarters at 101 Jones Hall.



Sally Wruck, Elvie Berggren and Betty Maurstad looking over one of the Gallery prints which are rented to students for their rooms. Still other paintings are loaned to offices on Campus.



Civil Service pay rate plan

Staff members naturally are interested in how the University computes earnings of Civil Service people on a monthly rate who work less than the full payroll period.

Academic staff members want this information for the benefit of Civil Service staff members who work with them. Civil Service staff members, of course, are interested in the situation on their own behalf.

For some time, there has been criticism because the present method of computation is cumbersome and complicated.

Now, after much discussion and work, a new plan to revise this policy has been proposed—a plan which makes it easier not only to compute earnings but also to understand how the amount of your pay is figured when you have been absent from your work for one reason or another.

present setup

But first, here is an explanation of the present plan to calculate earnings for a pay period containing an absence. The monthly rate is divided by the number of calendar days in the month (usually 30 or 31) to determine the daily rate. A deduction is then made for the total number of work days and non-work days an employee is absent. That is to say, an absence from Friday through Mon-

ORCHIDS TO

Staff members in the Mechanical Engineering Department, Experimental Engineering Department and the Oak Street Laboratory.

The Minnesotan Tells Why

day would result in a deduction of four days.

This procedure also must take into consideration the amount paid or to be paid in the other half-month pay period in the case of 31 day months, which makes it very complicated.

proposed method is simpler

The new method of determining earnings using working days in a pay period as a base, is very much simpler to understand in addition to being more widely used in industry today.

Each semi-monthly pay period is considered a unit in itself for computing earnings without considering earnings paid or to be paid in the other half of the month.

The daily rate is figured by dividing the semi-monthly rate by the number of working days in the pay period—10, 11, or 12 days, depend-

ing on the pay period. Holidays occurring on days which are normally worked are considered working days in this case.

Finally, earnings of the staff members would be determined by multiplying the daily rate by the number of days worked. However, as in the current plan, payment will not be made for holidays which happen to occur within a leave of absence without pay.

The advantage to the Civil Service staff members is obvious. No longer are deductions made for non-work days such as Saturdays or Sundays or other days taken off in their place. People on a 40-hour, 5-day week absent from Thursday night to Tuesday morning would have, then, a deduction for only two days. However, under this new plan the deduction for a single day will be greater because only work days are considered in figuring the daily rate.

your suggestions are welcome

All staff members are urged to study carefully this proposed plan.

Give any suggestions or questions you have regarding it to Hedwin C. Anderson, director of Civil Service personnel, 16 Administration Building, so that your ideas may be considered before this new plan is put into effect. According to Mr. Anderson, this probably will be as soon as February 16, 1948.

The Minnesotan

Going Someplace?

CONTINUED

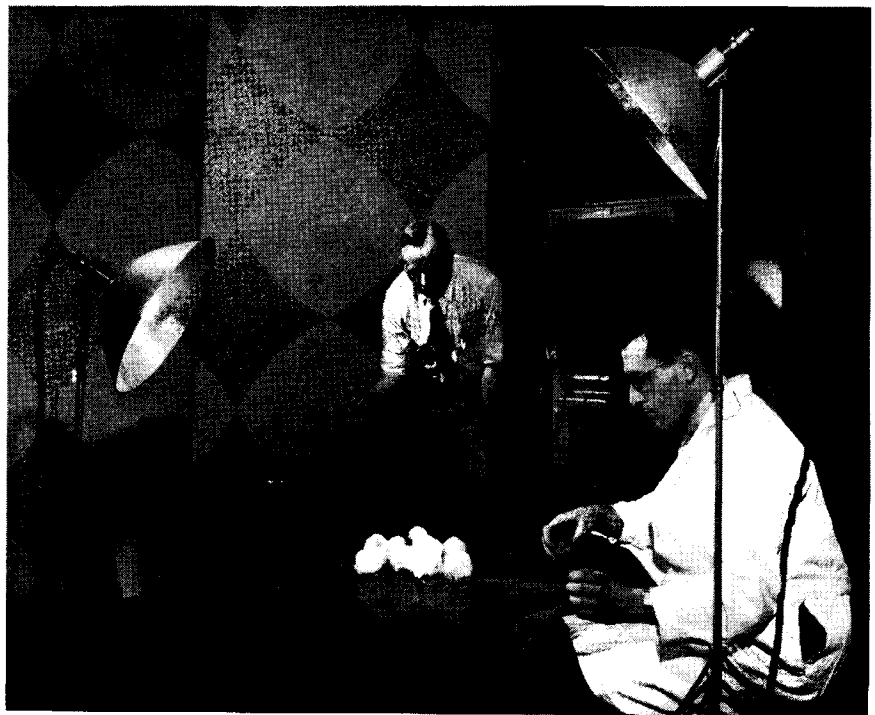
At the University, Strobolight is used to stop rapid motion in situations ranging from athletic contests to scientific experiments involving extremely high speeds.

The Photographic Laboratory had enough demand for pictures of this range and type that it first purchased this highspeed flash equipment for studio use, and then as demands increased, added the less cumbersome portable machine. The portable is somewhat slower—it only takes pictures at speeds up to 1/5,000 of a second.

Valuable though the Strobolight equipment is in freezing action for photographs taken indoors, it is not practical, according to Mr. Hollis, to use Strobolight for outdoor shots because of the difficulty with lighting in such cases.

According to Mr. Hollis, there is another Strobolight unit on campus. It's owned by Experimental Engineering, which finds the equipment invaluable in time and motion studies which are being carried on in the department.

It is through the use of Strobolight equipment, as well as the other spe-



Venning P. Hollis and Warner F. Clapp are shown as they use Strobolight equipment to catch the action of baby chicks in the Photographic Laboratory studio.

cial apparatus which the Photographic Laboratory has been able to secure, which makes that University department so valuable to the staff members who find it necessary to call upon the Photographic Laboratory in order to fill their varied needs.

are permitted to make these engagements for Health Service attention by telephone.

Glen Taylor, business manager of the Health Service, has a tip for staff members enrolled in the plan which is worth noting. Mr. Taylor says the best time to make an appointment for examination by a specialist is during the first few days of any quarter. Appointments are always restricted to the current quarter, so all of them expire at the end of the quarter, leaving a blank slate on which to start anew.

The physical examinations required of all new appointees, specified by the Board of Regents, are made by the Health Service, but are paid for by the administration. New staff members, may, however, have this examination made by their personal physicians not on the Health Service staff, if they pay the cost themselves.

Health Service CONTINUED

staff members are entitled to Health Service privileges. Members of their families are ineligible to join.

“Eligibility requirements for participation in the Health Service plan are as follows:

“(a) Faculty and employees on the regular payroll become eligible for membership upon appointment to a position which calls for six months' full-time continuous service, or its equivalent during a fiscal year.

“(b) Faculty and employees on the miscellaneous payroll become eligible for membership upon completion of six months' full-time continuous service, or upon the completion of the equivalent during the 12 months immediately preceding application.”

Because of the time that would otherwise be lost in obtaining appointments in the specialty field, members on the University payroll

State to Note First *UNIVERSITY OF MINNESOTA WEEK*

SPEECHES, exhibits, open houses, radio programs — these and many other special events of all kinds are being planned for "University of Minnesota Week," February 15-21.

This first annual celebration is sponsored by the Minnesota Junior Chamber of Commerce with the cooperation of the University. In a dozen towns throughout the state, University alumni will work with the local Junior Chambers in arranging meetings and programs describing the benefits offered the State of Minnesota by its University.

On the campuses of the University, staff members also are busy working toward the big week. Open houses in many departments, schools and colleges are being planned. Still other divisions of the University are

offering exhibits to be shown either on the University campuses or in windows of Twin Cities stores.

The School of Nursing, for instance, plans a live exhibit showing care of a patient demonstrated by several student nurses. The Museum of Natural History is preparing a natural habitat series for display.

Speeches about their work are being readied for a variety of interested audiences by some staff members, who represent many of the phases of study and research being carried on at the University.

State newspapers are featuring for this week stories about the services of the University to the state.

Special broadcasts by many radio stations will include dramatic episodes in the University's history, in-

terviews of University staff and information about celebrations of "University of Minnesota Week."

In addition to such particular programs, KUOM will transcribe five 15-minute dramatizations telling about the University. These will be distributed to stations in every part of the state.

On the Minneapolis campus, a special Charter Day convocation will be held on February 19, commemorating the anniversary of the University's founding.

A featured event of the week will be a dinner in the Main ballroom of Coffman Union honoring The Hon. Fred B. Snyder, chairman of the Board of Regents, for his long years of leadership and service to the University.



Staff members who are helping to plan University of Minnesota Week include Venning P. Hollis, Harold Swanson, William T. Harris, Jr., Helen MacDonald, Burton Paulu, William L. Nunn, Peyton M. Stallings and Thomas E. Steward in the front row. Otis Dypwick, Joan Keaveny, Stanley J. Wenberg and William S. Gibson are busy looking over their shoulders.

The President's Page

BY DESIGNATION of Governor Luther W. Youngdahl, the week of February 15-21 will be observed throughout the State as "University of Minnesota Week."

The sponsorship of "University of Minnesota Week" as an annual affair has been undertaken by the Minnesota Junior Chamber of Commerce. The initiative of the officers and members of the Junior Chamber of Commerce in undertaking this project is most heartening, and on behalf of the University, I wish to express warm and sincere appreciation. This venture is a splendid example of the generous cooperation that public spirited organizations can give the University, and which, over the years, can do much to advance the understanding and public esteem of our institution throughout the State.

I am especially happy that the Junior Chamber of Commerce has taken cognizance, likewise, of all the splendid colleges and universities in the State, and that in towns and cities in which these are located, the spotlight of public appreciation will be shared by the University and our sister institutions.

The General Alumni Association of the University will take advantage of this annual week to stimulate the interest of the graduates of our University in the continuous upgrading and advancement of the University.

It is especially significant, I believe, that this annual event has been timed to coincide with the annual celebration of Charter Day, the birthday of



the University. In February, 1851, nearly 100 years ago, the Territorial Legislature created the University and its basic charter. The centennial of the University will be celebrated during the academic year 1950-51, and "University of Minnesota Week," for the next three years, will undoubtedly serve to stimulate interest throughout the State in our coming centennial.

All of us at the University look forward to the development of "University of Minnesota Week," from this year's initial effort to an annual program widely endorsed and supported by all groups interested in the University, under the energetic leadership of the Junior Chamber of Commerce.

We, for our part here on the campus, will desire to do all we can to assist and support this significant project.

f. L. Merrill





THE MINNESOTAN

Published for Staff Members of the University of Minnesota



VOLUME I

February 1948

NUMBER 5

FEBRUARY 15 TO MARCH 15

The University of Minnesota Calendar of Events

CONCERTS: MINNEAPOLIS SYMPHONY

ORCHESTRA (Northrop Auditorium)

- Feb. 27—Mischa Elman, Violinist; Yves Chardon, Cond. 8:30 P. M.
Feb. 29—Twilight Concert—Freda Trepel, Pianist. 4:30 P. M.
Mar. 5—Beethoven "Ninth" Symphony with the University Chorus.
8:30 P. M.
Mar. 6—Beethoven "Ninth" Symphony with the University Chorus.
Special Concert. 8:30 P. M.
Mar. 12—Tosny Spivakovsky, Violinist. 8:30 P. M.

CONCERTS: MASTER PIANO SERIES

(Northrop Auditorium)

- Feb. 25—Bartlett and Robertson. 8:30 P. M.

CONCERTS: UNIVERSITY ARTISTS COURSE

(Northrop Auditorium)

- Mar. 10—Vladimir Horowitz. 8:30 P. M.

EXHIBITIONS

(University Gallery, Northrop Auditorium)

- Feb. 15-24—Norwegian Pottery.
Feb. 15-25—Institute of Design Exhibit.
Mar. 8-April 16—New Directions Show.
Mar. 9-Apr. 1—Printed Peruvian Linens with Designs by Reeves and Dietrich.

SIGNIFICANT UNIVERSITY BROADCASTS

- KUOM. Feb. 17—12:00-12:15 P. M., New Developments in Mining.
Feb. 18—12:00-12:15 P. M., A New Dairy Industry.
Feb. 19—12:00-12:15 P. M., Rosemount Research Center.
Feb. 20—12:00-12:15 P. M., Faster Than Sound.
Feb. 19—7:45-9:15 P. M., Broadcast of Charter Day dinner honoring Fred B. Snyder.
WLOL. Feb. 16—9:00-9:30 A. M., Polly and Perry Martin.
KSTP. Feb. 15—3:45-4:00 P. M., University of Minnesota.
Feb. 17—12:45-1:00 P. M., Gary Wiegand's Farm Wagon.
Feb. 18—11:30 A. M., Florence Murphy's Magazine.
WTCN. Feb. 15—6:30-7:00 P. M., Extension Division Services of University.
Feb. 17—11:35 A. M., Around the Town with Arlie Haeblerle.
Feb. 19—8:30-9:00 P. M., Broadcast of dinner honoring Fred B. Snyder.
WCCO. Feb. 18—8:00-8:30 P. M., For the Welfare of the State.
WMIN. Feb. 17—6:30-6:45 P. M., A New Dairy Industry.
Feb. 19—6:30-6:45 P. M., Rosemount Research Center.
Feb. 21—6:30-6:45 P. M., Faster Than Sound Aeronautics.

LECTURES

(Museum of Natural History Auditorium)

- Feb. 15—Dr. W. J. Breckenridge, Director of the Museum. "Managing Wild Life." 3:00 P. M.
Feb. 22—Milton D. Thompson, Director of Minneapolis Science Museum. "Decorative Flowers of the Southland." 3:00 P. M.
Feb. 29—Dr. W. J. Breckenridge, Director of the Museum. "Birds, Beasts and the Rainbow." 3:00 P. M.
Mar. 7—Dr. Dwain W. Warner, Curator of Birds, Minnesota Museum of Natural History. "Recording Bird Songs." 3:00 P. M.
Mar. 14—Dr. W. J. Breckenridge, Director of the Museum. "Birds Can Be Spectacular." 3:00 P. M.

UNIVERSITY PRESS PUBLICATION DATES

- Feb. 15—"A Critical Review of Research in Land Economics," Leonard A. Slater, Jr.
Feb. 25—"Adapting Instruction in Reading to Individual Differences," by Guy Bond and Bertha Handlan.
(This publication is number 5 in the series "Individualization of Instruction.")
Feb. 25—"Using Community Resources, Illustrative Experience for Grades I to VI," by the Faculty of Tuttle School in Minneapolis.
(This publication is number 6 in the series "Individualization of Instruction.")

CONVOCATIONS

(Northrop Auditorium, 11:00 a. m.)

- *Feb. 19—Paul G. Hoffman, Industrialist. "A Critique of American Capitalism."
*Feb. 26—Dr. Henry N. MacCracken, Educator. "Brotherhood in Action."
*Mar. 4—Jane and Joan Rosenfeld, Duo-Piano Recital.

UNIVERSITY THEATRE

(Scott Hall Auditorium)

- Mar. 1-6—"Macbeth," William Shakespeare. 8:30 P. M.
Mar. 7—"Macbeth," William Shakespeare. 4:00 P. M.

ATHLETIC EVENTS

(Basketball Games at Home)

- Feb. 21—Michigan. Field House. 8:00 P. M.
Mar. 1—Wisconsin. Field House. 8:00 P. M.

(Hockey Games at Home)

- Feb. 27-28—Michigan Tech. Minneapolis Arena. 8:15 P. M.

FOREIGN FILM SERIES

(Northrop Auditorium)

4:00 and 8:00 p. m. (Admission by membership card, purchased from Visual Education Service.)

- Feb. 18—"Zero de Conduite," French film with English subtitles and "School for Danger," British documentary film.

SPECIAL EVENTS

- Feb. 17—Thomas Frederick Peart, M. P. "British Coal and the World Crisis." 2:00 P. M. Murphy Auditorium.
Feb. 19—Charter Day Dinner. Main Ballroom, Coffman Memorial Union. 6:30 P. M.
Feb. 20—Dr. Owen H. Wangensteen, Sigma Xi lecture. "The Cancer Problem Today." Northrop Auditorium. 8:15 P. M.
Feb. 20—Vocal recital by Warren Ost. Scott Hall Auditorium. 8:30 P. M.
Feb. 2, 27-Mar. 5, 12—Observatory (on roof of the Physics Building) open to the public. 7:00-9:00 P. M.
Mar. 3—Dr. Harold B. Allen. Delta Sigma Rho lecture. "Can There be Correct Pronunciation?" 4:00 P. M.
Mar. 4—Annual Winter Concert. University Concert Band. Northrop Auditorium. 8:15 P. M.

*Also broadcast over KUOM.

The Minnesotan is published during the academic year by the Department of University Relations, University of Minnesota. Copies are mailed free of charge to University staff members. Subscription rates for those not on the staff are \$2.00 a year, 25c an individual copy.

COPIES ARE ON SALE AT THE UNION BOOK STORE

Photographs throughout this issue of The Minnesotan were taken by the University Photographic Laboratory.

STATE OF MINNESOTA

EXECUTIVE DEPARTMENT

A Proclamation of University of Minnesota Week

WHEREAS, the higher education of large numbers of our people is vital to the future welfare of the State of Minnesota; and

WHEREAS, the people of Minnesota are in the forefront in their understanding of the importance of higher education and have shown, by word and deed, unusual willingness to support it and the purposes for which it stands; and

WHEREAS, the State of Minnesota is fortunate in the possession of a state university known for its excellence throughout the state, nation and the world; and

WHEREAS, through its education of youth, its preparation of thousands for the professions and specialized services in graduate branches, its researches which develop new knowledge, new technical procedures and new means for utilizing the resources of this Commonwealth, the University is contributing greatly to the prosperity and good life of all citizens;

NOW THEREFORE, I, LUTHER W. YOUNGDAHL, Governor of the State of Minnesota, do hereby proclaim February 15 to 21, 1948, as

“UNIVERSITY OF MINNESOTA WEEK”

and I call upon all citizens to devote some portion of the week to a consideration of the University of Minnesota, of the great benefits it presently bestows upon us, and of the still greater advantages we shall reap from a continued program of strong support for the University.



IN WITNESS WHEREOF, I have hereunto set my hand and caused the Great Seal of the State of Minnesota to be affixed at the State Capitol in St. Paul this first day of December in the year of our Lord one thousand nine hundred and forty-seven and of the state the ninetieth.

Governor Luther W. Youngdahl signs the proclamation announcing University of Minnesota Week while President James L. Morrill and Peter R. Edmonds, Junior Chamber of Commerce chairman of the week, look on.

February 1948

STAFF LOAN FUND

University financial aid offered in family emergencies

ARE you faced with an emergency bill of one kind or another?

Staff members can get help when they have this type problem by applying for a loan from the University Staff Fund set up for just such purposes.

Any person who is working regularly for the University, even though not full time, is eligible.

If there is any doubt about the emergency character of the loan, final decision is made by Laurence R. Lunden, comptroller. According to the rules which have been set up by the Regents, money from the fund may not be obtained for routine payment of debts.

To obtain the loan, staff members should get applications from the Office of the Comptroller, 303 Administration Building. No security is required, but staff members are requested to execute two powers of attorney which gives the University the privilege of holding salary checks due borrowers if there is an unpaid balance when they leave the University's employment. In addition, of course, they execute a promissory note in the full amount of the loan.

The loans are limited to \$200 or the equivalent of one month's salary, whichever is lesser. Interest is charged at the rate of 5 per cent payable at the expiration of the note. The loan is granted upon recommendation of the department head, dean or administrative officer, and the comptroller.

The loan must be repaid within one year, but if through some unavoidable cause, such as illness, the principal of the loan cannot be paid

at maturity, an application for an extension must be made to the comptroller at least 10 days before the note matures.

Staff members may arrange payments as they wish—either so that the money is returned to the fund in one sum or by a partial payment system. The Comptroller's Office will be glad to assist staff members in deciding which method is best for them.

The original money for the University loan fund was obtained during the depression years of 1932-33.

It is part of the dollars given when over 99 per cent of the staff joined in a payless vacation plan and voluntarily waived 2 weeks salary.

An interesting sidelight on the loan fund, according to Mr. Lunden, is that the number of loans made during the course of any one year may be related directly to economic conditions. In 1942-43, for instance, 63 loans were made. Only 28 loans were initiated during 1945-46. During the 1946-47 span, 26 loans were made to staff members.

THESE TWO EASY TO TALK WITH



TYPICAL of the best in telephone courtesy at the University are Viola C. Stallman and Renee Groth—two ambassadors of good will for their departments. Miss Stallman is senior secretary in the Agricultural Extension Office. Miss Groth is clerk-typist and receptionist for the University Press.

Both answer phones all day long, and to staff members and students alike, as well as the non-University public, they are uniformly polite and helpful.

To them, and to all the other staff members who build good will for the University over the telephone, The Minnesotan says, "Congratulations!"

The Minnesotan

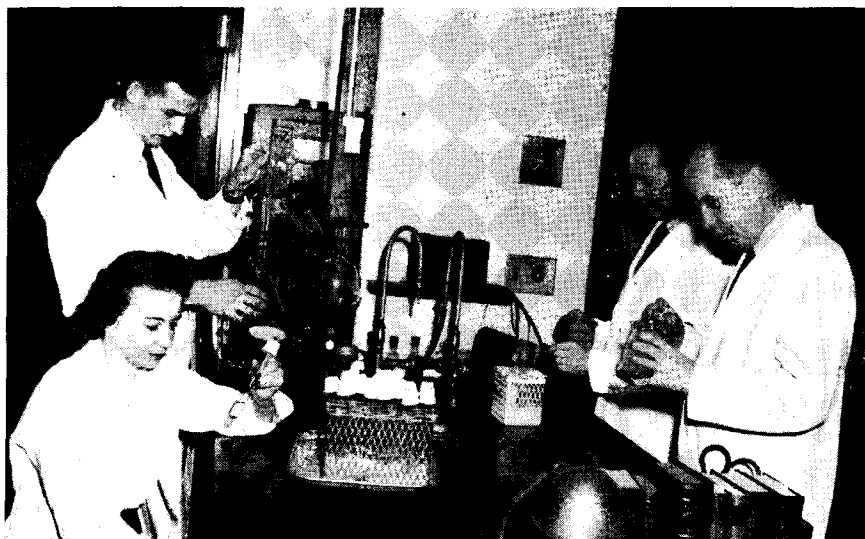
Program THREEFOLD

***Pediatrics Staff is
one of nation's
foremost***

WORKING for the benefit of other people's children occupies a large portion of the waking hours of staff members in the Department of Pediatrics. And little wonder, for in addition to being responsible for the general care of all the small patients in the Pediatric wards at Minneapolis General, Rosemount and University Hospitals, the staff also spends a great deal of time both on the research and teaching programs of the department.

Even the emotional and mental disturbances of children are studied and treated by members of the staff, under the direction of Dr. Reynold A. Jensen. The preventative, as well as the diagnostic and curative aspects of this important branch of the pediatric field is emphasized.

Another phase of the staff's work is to let others know of research results. Lives of children all over the country may be saved through publication of such newly acquired knowledge. Dr. Irvine McQuarrie, head of the department, is probably one of the most active in this work, for as editor of Brenemann's "Practice of Pediatrics", he compiles contributions of over 150 authors and publishes them in this four-volume, loose-leaf system. Dr. McQuarrie also is associate editor of six other monthly medical journals. As staff members



Members of the Department of Pediatrics at work in a research laboratory. Left to right are Drusilla Deis, medical technologist, Dr. Roger Lienke, Robert J. Salmon and Dr. Charles D. May.

make significant discoveries they report the information for the use of other doctors both in Minnesota and the entire United States.

Most of the research engaged in by

the Pediatrics staff is on a cooperative basis. Working in teams, most staff members are very active in a wide range of disease studies.

Several staff members, including

In consultation around a small patient are Drs. Albert Miller, Forrest Adams, William Frey; Beulah Gautefald, assistant pediatrics supervisor; head nurse Margaret N. Lutts; Drs. Vernon Mark, Merrill Chesler, Irvine McQuarrie; Harriet B. Klock, pediatrics supervisor; and Dr. John M. Adams.



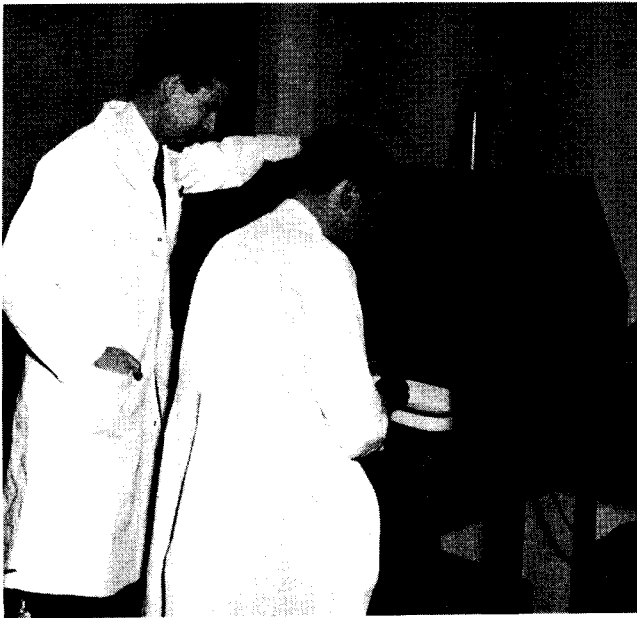
Dr. Mildred R. Ziegler, Dr. James F. Bosma and Dr. McQuarrie, are studying convulsive disorders, such as epilepsy. They have learned that certain endocrine substances affect the brain and the minute electrical discharges given off by the brain. The results of such ailments make these discharges irregular. A very complicated apparatus—called an electroencephalograph—measures these brain waves

growth. Already the doctors have found a substitute for milk which gives children the same food values—minced meat with added calcium.

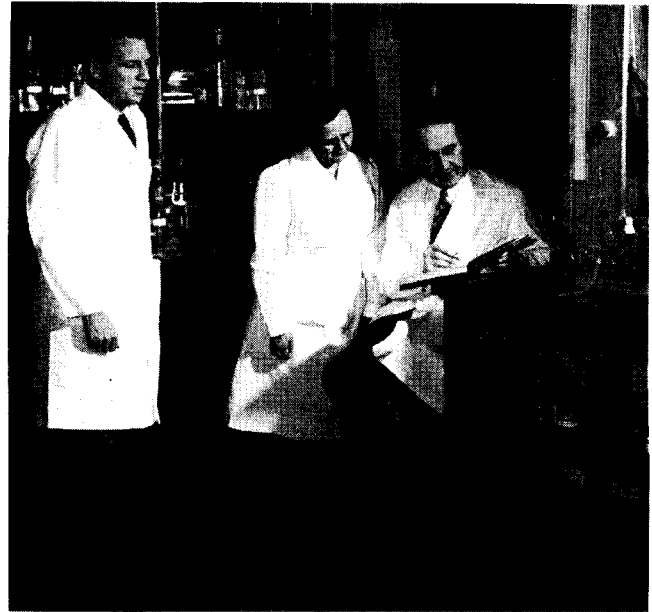
Nephrosis and the study of serum proteins in blood in relation to the occurrence of the disease is another research project which is getting a good deal of attention by members of the Pediatric Department staff. This serious ailment may some day

engaged in investigations of chronic indigestion in children.

Influenza, whooping cough and other diseases of the respiratory tract which children are so very susceptible to are included in research being done by Dr. John M. Adams and his team. They hope to find ways to prevent the illnesses in the first place, as well as know the best methods of treating patients who already have



Dr. John M. Adams watches Dr. William Frey innoculate an egg embryo with a disease virus. Dr. Frey is working under an ultra-violet light which keeps air sterile.



Dr. Forrest Adams visits Dr. Mildred R. Ziegler and Dr. Irvine McQuarrie who are working together on a research project in one of the Pediatric Department laboratories.

and records them on a tape, later "read" by the scientists.

Apparently certain secretions of the adrenal gland have some effect in preventing convulsions in children, and these are being carefully studied.

Dr. Ziegler and Dr. McQuarrie also are working on nutritional research, investigating what Dr. McQuarrie calls a "synthetic diet" for children who are allergic to milk and other protein foods essential to their

be a thing of the past because of the work now being done here at the University.

Dr. Charles D. May, Dr. Robert A. Aldrich, Dr. Edward N. Nelson and Robert J. Salmon are doing metabolic and nutritional research. They are studying the cause of a severe form of anemia which occurs in babies and also attempting to produce the disease in experimental animals. In addition, Dr. May is busily

these common forms of childhood diseases.

The bulbar form of poliomyelitis, that dread crippler of children, is not being neglected in the department's research. Dr. Bosma, in collaboration with other members of the staff, is doing a great deal of work on this project, studying both the aftereffects of the disease and how it influences the growth of children.

Continued on page 14

Rural Women Aided by Staff Members

IN Minnesota 56 home demonstration agents are bringing up-to-date information on homemaking to rural women, working toward the goal of improved farm homes for better family living.

Whatever the problem of the farm women—whether she needs advice on remodeling her kitchen, making over a dress, slip covering a chair or feeding the baby—she knows she can always consult her home demonstration agent.

Members of the University of Minnesota staff, home agents are employed cooperatively by the county, the University and the United States Department of Agriculture. The home agent at all times works closely with the county agricultural agent and the 4-H agent, the three comprising the county staff of the Minnesota Agricultural extension Service.



New officers, elected at the annual Extension Conference, are home demonstration agents Edith Nelson, treasurer, from Anoka County; Ada Todnem, Pipestone County, president; Margaret Lerud, secretary, Wadena County; and Eleanor Stoltenow, vice-president, from Clay County.

Since the work of the home agent touches every phase of family living, she must be well trained for her job.

To qualify, she must be a college graduate with a major in home economics. She must also have a genuine liking for people and possess personality traits that will fit her to work well in rural communities.



Working with this rural youth group is part of Elizabeth Schneiter's job in McLeod County. Here, in the center, she is demonstrating a step in a folk dance.

HOME demonstration agents have their own state association and through this organization become members of the National Home Economics Association. Officers of the Minnesota Home Demonstration Agents' Association for 1948 are Ada Todnem, Pipestone county, president; Eleanor Stoltenow, Clay county, vice president; Margaret Lerud, Wadena county, secretary; and Edith Nelson, Anoka county, treasurer.

In-service training keeps home agents up-to-the-minute on homemaking information. Such training is provided by subject matter specialists and supervisors of the Minnesota Agricultural Extension Service. Last

Continued on page 11

Staff Member of the Month . . .

Regent honored for 65 years of service

FRED B. Snyder, chosen honorary staff member of the month in recognition of over 65 years of unparalleled service to the University, first came into contact with his University in 1875.

It was only four years after the founding of the new institution of higher learning that Mr. Snyder, then a lad of 16, enrolled in the preparatory department. After two years, he began his college training and in 1881, one of 28 members of the graduating class, he stepped forward to receive his degree.

A year later he was admitted to the bar, and with that began a long career of public service.

For six eventful years Mr. Snyder served in the state legislature—two years in the house, and then four years in the senate—always working for the interests of the University. It was during this time that he fought for and won an increased standing tax levy which gave the University over four million dollars.

For the next ten years, from 1902 on, he went back to his practice of law, but often as not you'd see him lobbying on the floor of the House of Representatives, helping the University get needed appropriations, or just making friends for the school. And then began another great chapter in his career, a chapter that continues to the present day.

Adolph O. Eberhart, governor of the state, in 1912 appointed Mr. Snyder to the Board of Regents. So, for over 35 years, appointed by four gov-



Fred B. Snyder, chairman of the Board of Regents and longtime friend and supporter of the University.

ernors, and since 1929 renamed regularly by the legislature, Fred B. Snyder has served his school as regent.

His work in campaigning for the bill to remove the railroad tracks of

the Northern Pacific Railroad Company, then laid and operated through the campus, meant a great deal to the future of the University.

The Chase Decision, guaranteeing the independence and integrity of the University, an unanimous decision of the Supreme Court of the State of Minnesota, is a monumental tribute to his untiring efforts on behalf of the University.

With recent years have come great honors from his colleagues. The General Alumni Association, on the fiftieth anniversary of Mr. Snyder's graduation from the University, honored him as first among alumni in service to his alma mater.

In 1940, he received one of the highest tributes that a University can bestow—the degree of Doctor of Laws Honoris Causa.

This month, on the anniversary of Charter Day, Fred B. Snyder again will be honored for great service to his University when he will be awarded the first "Builder of the Name" Medal.

New Medal Authorized

FRED. B. SNYDER WILL BE FIRST HONORED

THE Hon. Fred B. Snyder, chairman of the Board of Regents, will be the first person presented with a "Builder of the Name" Medal, an award recently authorized by the Board of Regents. Mr. Snyder will receive his citation at a dinner given in his honor on February 19.

The Medal will be presented to individuals who have assisted materially in the building and development of the University.

The distinctive gold disc will bear on its face the University seal and the inscription, "Builder of the Name", and on the reverse side the name of the recipient and award date.

This is the first time in University of Minnesota history that any such



medal has been authorized. It may be awarded at any time.

The Minnesotan

The University Benefits from

GIFTS AND BEQUESTS, GRANTS-IN-AID (1947-48)

Gifts and Bequests

Previously Reported \$87,913.58

This Report \$13,007.00

To Apply on Purchase of the Nor-tondale Tract in Duluth, \$4,000: Duluth Citizens Committee, \$3,000; Minnesota Power and Light Company, \$1,000.

Class of 1916: CLASS OF 1916—BERNIE BIERMAN FUND, \$2,500.

Ben S. Richards, Ely, Minnesota: SALLY RICHARDS MEMORIAL FUND, \$2,000.

Cowles Broadcasting Company: WNAX AGRICULTURAL SCHOLARSHIP FUND, \$1,125.

Cowin and Company, Inc.: JAMES COWIN SCHOLARSHIP FUND, \$1,000.

An anonymous donor: "B" SCHOLARSHIP AND LOAN FUND, \$975 (25 shares Barnsdall Oil Company stock).

F. H. Peavy and Company: F. H. PEAVEY AND COMPANY-VAN DUSEN HARRINGTON COMPANY UNDERGRADUATE SCHOLARSHIP FUND, \$300.

Junior F. Hayden: RESEARCH, \$200 (together with an additional 152 35 mm. natural color kodachrome slides).

Rite-Way Products Company: RITE-WAY MILKER SCHOLARSHIP FUND, \$200.

J. R. Watkins, Co.: 4-H CLUB FUND, \$200.

MISCELLANEOUS GIFTS FUND, \$187: Minnesota Society for Crippled Children and Adults, Inc., \$150; Ten donors (through Mr. and Mrs. Earl Rundle), \$37.

University Hospital Auxiliary of the Faculty Women's Club: HOSPITAL BUDGET 2400-6433, \$125.

NORWEGIAN AMERICAN GRADUATE FELLOWSHIP FUND, \$65: Harry W. Mattison, \$25; John L. Akslen, \$25; A. I. Raugland, \$10; Marion C. Bjornson, \$5.

WILLIAM A. O'BRIEN SCHOLARSHIP FUND, \$40: Alpha Delta Theta, \$20; L. Jane Weber, \$20.

Harry Gerrish: MISCELLANEOUS GIFTS FUND, \$40.

Carl W. Jones: NORWEGIAN AMERICAN GRADUATE FELLOWSHIP, \$25.

University Householders: HOUSEHOLDERS LOAN FUND, \$25.

To Department of Aeronautical Engineering: Allison Division of General Motors Corporation, Indianapolis 6, Indiana: A variety of tools to be used for the maintenance of the Allison engine powering the low speed wind tunnel in Oak Street Laboratories.

To University Gallery: Emily McMillan, Minneapolis: Two oil paintings (a portrait of Prof. John Corrin, Hutchinson, former Greek professor, and a portrait of Dean John F. Downey).

To Division of Agricultural Engineering: H. S. Strouse, Vice President & Treasurer of the Harnischfeger Corporation, Milwaukee, Wisconsin: One single phase, 180 amp. farm-type welder to be used for instruction purposes.

Grants-in-Aid

Previously Reported \$662,051.96

This Report \$145,677.36

United States Public Health Service, \$87,208.36: RESEARCH ON FLUORESCIN DYES, \$26,946; CANCER TEACHING AND CLINICAL CANCER RESEARCH FUND, \$25,000; RE-

SEARCH ON GASTRIC CANCER, \$16,734.84; SYNTHESIS OF ANTI-MALARIAL DRUGS CONTAINING "TRACER ELEMENTS", \$12,000; HISTOCHEMICAL STUDIES ON THE STOMACH, \$5,987.52; RESEARCH ON EFFECT OF BLOOD GLUCOSE LEVEL IN RATS, \$540.

FRANK E. BURCH RESEARCH FUND IN OPHTHALMOLOGY, \$30,236.08: An anonymous donor, \$25,000; Estate of F. R. Bigelow, \$3,636.08; Dr. Erling W. Hansen, \$500; Dr. Arthur F. Williams, \$500; Henry L. Mason, Jr., \$200; Frederick Brewster, \$100; Dr. Hendrie W. Grant, \$100; Dr. Charles Hymes, \$100; Dr. Jay Conger Davis, \$100.

Minneapolis-Honeywell Regulator Company: RESEARCH FELLOWSHIP FUND, \$10,000.

St. Barnabas Hospital, \$4,140: FELLOWSHIP—PEDIATRICS, \$1,380; FELLOWSHIP—SURGERY, \$1,380; FELLOWSHIP—MEDICINE, \$1,380.

John and Mary R. Markle Foundation: BRAIN RESEARCH, \$4,000.

Minneapolis Star and Tribune: NEWSPAPER STUDIES FUND, \$3,192.92.

Northwestern Hospital, \$2,070: FELLOWSHIP—MEDICINE, \$690; FELLOWSHIP—PEDIATRICS, \$690; FELLOWSHIP—SURGERY, \$690.

A. L. Searle: FUND FOR SURGICAL RESEARCH, \$2,000.

Webb Publishing Company: ST. PAUL CHILDREN'S HOSPITAL FELLOWSHIP IN PEDIATRICS AND RESEARCH, \$1,470.

An anonymous donor: JOHN F. BRIGGS FELLOWSHIP IN PATHOLOGY, \$1,380.

LESSONS IN WELFARE

School Trains Social Workers to Fill New Needs

PROGRESSIVE is the word for the University's School of Social Work, located in Nicholson Hall.

One of the largest areas in the Graduate School, this division of the College of Science, Literature and the Arts is among the 49 accredited schools in the United States turning out highly trained professional social workers. And, according to John C. Kidneigh, associate director of the school, the University is one of the first colleges in the country to begin this training.

As early as 1917, the first course in social work was offered. In 1919, when

the American Association of Schools of Social Work was organized, the University of Minnesota became a charter member. It was only until about 9 years ago, however, that the school was separated from the Department of Sociology and organized as a graduate school directly under the College of Science, Literature and the Arts. F. Stuart Chapin, chairman of the Sociology Department, still maintains the close connections between the two by serving also as director of the School of Social Work.

Social work itself is a relatively new



The office staff of the school includes Thelma Korosec, Jean Hartley and

professional field, in its infancy when compared with medicine, for instance.

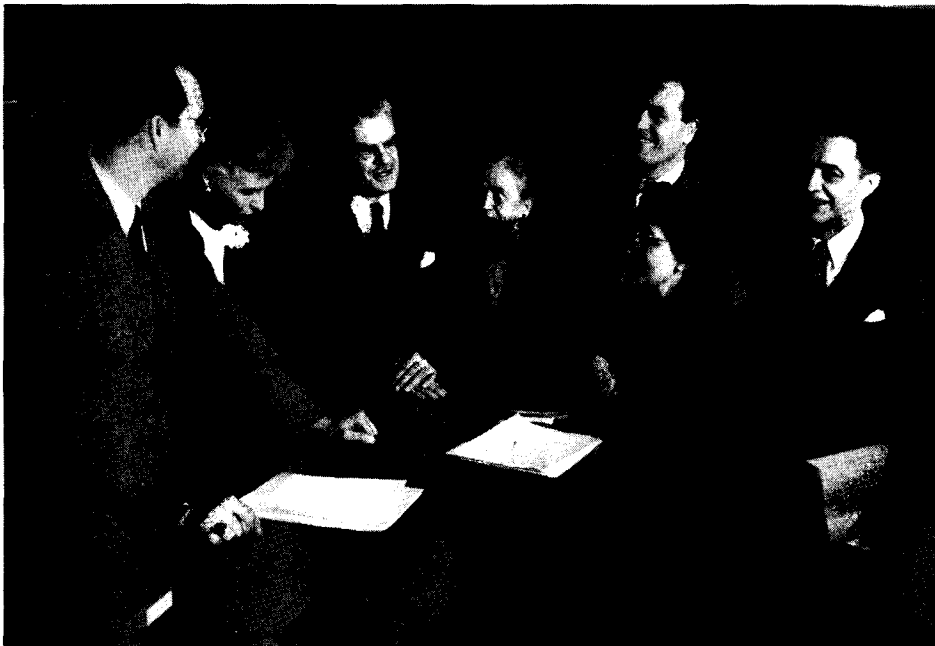
"Social work as we know it today," says Mr. Kidneigh, "grew up during the depression. During the recent war and now in the postwar period, too, there has been an intensified need for special services to individuals, groups and communities.

"Children need protection, guidance or placement, families are in trouble, people need medical or psychiatric help. Even communities have suffered from abnormal conditions and have become more conscious of the importance of social welfare organization."

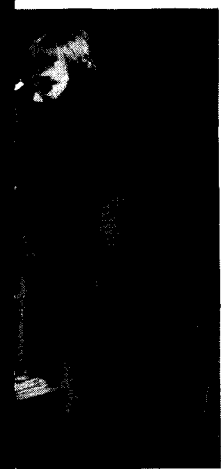
THE staff of the School of Social Work, explains Mr. Kidneigh, has a teaching responsibility which extends far beyond the borders of our state. There is a regional obligation in training highly qualified social workers for service in both public and private agencies, for our University draws graduate students in social work from this entire area.

Over 80 per cent of the students are still from Minnesota, however, and records show that the great bulk of these go back and work in the social agencies scattered throughout the state.

What these students learn and the



Talking in the office after a staff meeting are John C. Kidneigh, Edith Nagel, F. Stuart Chapin, Monica K. Doyle, Richard G. Guilford and Elio D. Monachesi. Gisela Konopka is in the center.



Thelma Guffan, Stephanie Korosec and Winifred Manz.



Discussing problems in case work are Lyndell Scott, Vervall Mueller, Marvin Sukov and Alice Leahy Shea.

THE full time, instructional staff of the School of Social Work includes F. Stuart Chapin, director; John C. Kidneigh, associate director; Monica K. Doyle, associate professor; Anne F. Fenlason, professor; Richard G. Guilford, assistant professor; Gisela Konopka, assistant professor; Verval Mueller, associate professor; Edith Nagel, instructor; Lyndell Scott, assistant professor; Alice Leahy Shea, associate professor.

Harriet Hammond Berg, counselor in pre-social work education; and Katharine H. Ranck, lecturer.

Members of the field work staff are Helen Jaeck, J. Lucille Poor, Dorothy Whitmore and Anne Winslow—all instructors.

Thelma Guffan and Stephanie Korosec are secretaries for the school, and Jean Hartley and Winifred Manz are clerk-stenographers.

manner in which they are trained, is, of course, the major responsibility of the School of Social Work staff. In order to give these social workers-to-be the broad understanding, sound judgment and thorough professional education they need to face such wide and varied responsibilities, education for social work here at the University is offered on several levels.

Undergraduate study in preparation for entrance into the School of Social Work includes a broad range of social sciences. The first year of graduate study includes basic technical social work theory courses and field work practice. The second year of graduate study is devoted to specialization in a particular area of social work, advanced field work practice and research. Together, these two years lead to a Master of Arts degree in social work. A Doctor of Philosophy degree in social work is also offered from this school.

In addition to their class schedules and frequent consultations with each of the 96 full time and 39 part time students, staff members are engaged in research. Research in the School of Social Work is of the applied sort, and of necessity is often based on empirical knowledge.

As these projects are completed, the

information gathered will be added to the wide professional knowledge and experience constantly being accumulated in the rapidly expanding field of social work.



The field work staff enjoys a chat in the corridor of Nicholson Hall. Anne Winslow, Katharine H. Ranck, Dorothy Whitmore, Helen Jaeck and J. Lucille Poor are shown during one of the few times they are all together on the campus.

The University at Duluth . . .

Campus Expands And Improvements Made

THE University of Minnesota, Duluth Branch, has been a busy place during the past few months. Many new facilities have been added and improvements of all sorts made.

The addition causing most comment is the gift of approximately 160 acres for a new campus site from Regent Richard L. Griggs and a group of Duluth citizens and business organizations. Beautifully situated in the heights of East Duluth, the future campus site is three blocks northeast of the present six-acre campus of the Duluth Branch.

One new feature everyone is proud of is the cafeteria, open this quarter in the basement of Torrance Hall, site of the old dining room. With 32 staff members to prepare food and keep the cafeteria running smoothly, approximately 1,000 can be served during the lunch period, according to Mrs. Marian Kirkhus, manager and dietician.

On a full time weekday and Sunday schedule, the University operated Duluth cafeteria is fully equipped to serve students economically, on the same basis as Food Service on the Twin Cities campuses.

New also to the Duluth Branch is a bookstore, with the school post of-



fice as part of the center. About 6,500 books are in stock, and school supplies are also sold.

Betty Arnold is in charge of the store, which is run by student help entirely. Bruce Warren, Joan Nelson, Joseph Aubin, Robert Tollefson, James Corson, Larry Ellingson, and Edward Hakkarainen are store staff members.

Tweed Hall, the old mansion used for art appreciation classes, has been the scene of much recent activity. The big basement of the building now is used for sculpture classes. Art appreciation classes have moved to third floor. The rooms at Tweed Hall have been converted so that economics and history classes may meet there as well.

When the fixtures are removed, one of the huge, luxurious bathrooms on third floor will be used as a lounge.

In the Laboratory School, an office for academic dean John E. King is located opposite the Provost's office.

In Main, three second floor classrooms have been combined to make office space for the student personnel services, including private rooms for counseling and testing. A former storage room on the first floor of the

The new bookstore at the Duluth Branch and part of its staff of seven. Left to right are Edward Hakkarainen, Betty L. Arnold, Larry Ellingson, Bruce Warren and Joan Nelson.

same building has been refurbished and is now the location of the news office.

All through the campus, there is a bustle of activity—of staff moving into repainted and redecorated offices—of enlarged classes meeting in rooms often new to this use.

Through such improvements, the University of Minnesota, Duluth Branch, is rapidly overcoming what Provost Raymond C. Gibson has said is its greatest weakness—the shortage of physical facilities. This applies to the shortage of dormitories, physical education and recreational buildings.

The greatest asset of the Duluth Branch, according to Provost Gibson, is the outstanding faculty of 80 people who are devoted to the task of teaching and who have an abiding faith in the future of the University.

Rural Women Aided CONTINUED



Mixing cake batter by the quick method is Margaret Lerud, home demonstration agent in Wadena County. She explains its advantages as part of her teaching program.

year a four-day nutrition workshop was given, and training conferences were held for home agents on electric lighting, equipment and appliances, the 4-H clothing program and use of radio.

FARM and suburban homes, school houses, town halls and church basements are the home demonstration agent's workshop and classroom. She does her teaching at meetings, through newspaper columns, radio programs, telephone calls, home visits and even a chance meeting on the street when a homemaker stops to ask her advice on canning with a pressure cooker or refinishing a piece of furniture.

This past year 70,000 rural women in Minnesota received help on some phase of homemaking through their home demonstration agents. These rural women, organized in community and neighborhood groups, select-

ed programs of study on such subjects as farmhouse improvement, home beautification, family recrea-



A home demonstration agent must keep up with the latest in equipment so she can pass on the information to women in her county. Here Eliza Thompson, Goodhue County, inspects pressure cookers.

tion, labor-saving equipment and methods, home furnishings, freezing food, meal planning, clothing conservation and selection. In addition, these groups took an active part in improving health conditions and educational facilities in the community. The women also shared in discussions on agricultural policies and world economic situations affecting home life.

ENROLLED in the organized programs, which are planned and developed by the home and community committee and the home agent, are from 300 women in some counties to as many as 1,000 in others. It is possible to reach so large a group because the agent or a subject matter specialist from the state staff first trains volunteer leaders from each local group, who in turn teach the material to their neighborhood groups. Last year, for example, 1,847 local leaders were trained by their home agents at special meetings on home furnishings. The leaders presented the material to 934 local

groups representing several thousand homemakers.

Though the home demonstration agent's work is largely with rural folks, Beth Burr, Hennepin county home agent, is making home demonstration work known in the city as well, through her cooperative program with the Minneapolis Consumer Interest Center and other agencies and the Consumer Center class which she conducts each Tuesday afternoon.

Besides bringing sound homemaking information to rural women, the home agent also works closely with 4-H and Rural Youth members on home economics projects and on a recreational program for these many organized groups of young people.

The common interest of all Extension workers is the welfare of the family. Because the home demonstration agent is concerned with the type of home and family life that will yield maximum satisfaction for the entire family, she realizes the importance of correlating agricultural, home demonstration, young adult and 4-H programs to achieve that end.

Through both home demonstration agents and county agents, staff members who teach without classrooms, the University is able to benefit and serve citizens in farms and homes in all corners of the state.

ORCHIDS TO

Viola C. Stallman, senior secretary in Agricultural Extension, and Renee Groth, clerk-typist and receptionist for the University Press.

The Minnesotan Tells Why On Page 5



Elizabeth Burr, Hennepin County, conducts a leader-training meeting in a rural home. The leaders then work with local clubs, passing on information and planning activities.

You're Asked to Help

Campus Red Cross Drives Start

STARTING on February 23, staff members on both campuses will be hearing and reading a great deal about the American Red Cross. On that date, a coordinated, annual campus drive will begin, under the chairmanship of Albert M. Field, head of Agricultural Education, and G. Ray Higgins, director of Minnesota Unions.

Last year, over \$7,700 was raised by the University for this humanitarian service organization, and staff members hope to exceed even that sum in this winter's campaign.

Money gathered will be used to help relieve the distress of those who are victims of disasters such as the Texas City calamity which left hundreds of people homeless.

The Red Cross also must plan an increase of services to Veterans' Hospitals. Some of the funds will be used for Red Cross training classes.

On the St. Paul campus, Mr. Field

will send out personal solicitation letters to all staff members, asking for their contributions and membership in the Red Cross.

G. Ray Higgins, on the Minneapolis campus, is recruiting over 100 staff members to make personal calls on people in their departments. Every department will have one Red Cross solicitor whose job it will be to get 100 per cent membership from among his co-workers.

MR. HIGGINS is assisted by an advisory committee including Hedwin C. Anderson, director of Civil Service Personnel; Tracy F. Tyler, associate professor of education; Willis E. Dugan, associate professor of education, Wallace V. Blomquist, assistant supervising engineer; Richard M. Kozelka, dean of the School of Business Administration; and William L. Nunn, director of University Relations.



employment practices

THE University maintains the policy that Civil Service vacancies shall be filled first through considering staff members within the department for promotion or transfer; second, by considering employees from elsewhere in the Civil Service; third, considering former employees who are requesting reinstatement; and fourth, by recruiting new candidates from outside the service.

It's only natural that a department supervisor would be reluctant to see a very able person leave for a position elsewhere on campus. Yet, in the interests both of the entire University and the individual staff members it is unfair to keep employees in positions which do not challenge their capabilities. From a departmental point of view, more competent new help can be obtained when applicants know they will be considered for promotion on a University-wide basis.

vacancies are posted

ALL vacancies are noted on a Civil Service Personnel Requisition Form (Bus. Adm. Form 465), which gives information about the duties of the position, and the applicant qualifications desired.

Vacant positions are posted for a period of one work week on the

official bulletin board in the main corridor—ground floor of the Administration Building. A list of vacancies is also published periodically in the Official Bulletin of the Minnesota Daily.

If you are making a name for yourself, even though you do not make formal application for promotion, you will not be overlooked. Both department heads and staff members are constantly being contacted for their suggestions of staff members to fill promotional vacancies.

However, if you are interested in a certain type of job or possess abilities which are not being used in your present job, discuss it with your immediate superior, then come in to the Employment Bureau, Room 17, Administration. The staff will be glad to talk over with you the current vacancies, your qualifications and interest in positions.

Promotional and transfer lists are maintained. These lists are based on information obtained through the interview with the staff member, the questionnaire received, the employee rating submitted by your present superior and through observation and information offered to the personnel staff during visits to the department. A transfer is considered to be a change from one department to another or within the same department, usually on the same level position or a comparable classification and pay range. A staff member retains the same salary if the transfer is made

at the request of the University. If the request is made by the staff member and the job is in another class, the salary would be dependent upon the similarity between the old and new jobs.

A promotion is a move to a new position with greater responsibilities and with a higher pay range either within the same or to another department. The staff member starts at the beginning salary step of that pay range unless his present salary is the same or greater than the beginning step. In that event, he is appointed at the next highest pay rate step in the new pay range which is immediately above his present salary.

probationary period

IN all cases of promotion, transfer or new appointees, there is a six months probationary period. A staff member who transfers or is promoted after acquiring full Civil Service rights in a position, may, after the first six months request reinstatement to his former position if he finds the new job or department unsatisfactory.

Likewise, the department may terminate the services of the staff member if they are not satisfactory. In such cases, the staff member if he wishes, may be reinstated in his former position or accept employment elsewhere in the University.

Program Threefold CONTINUED



Measuring minute brain waves of a patient by means of electrodes on his head are Helen Adamniak and Eline Keller, laboratory technicians; nurse Jeanne Rogers; Dr. James F. Bosma and Dr. David Daly.

Other research being done with poliomyelitis is that of investigating mineral metabolism and also the electrophoretic pattern of the serum proteins in polio. That electrophoretic business sounds pretty impressive, and the apparatus that does the work certainly is. This machine, developed during the war, enables scientists to take photographs as samples of blood are fractionated. The pattern photographed may tell the trained researcher how much immun-

ity the patient has against a disease. Sometimes it tells of the presence and identity of an illness, as well.

A discussion of a child's finger painting led by Dr. Reynold A. Jensen. In the back row are speech pathologist Ellsworth Stenswick; Dorothy E. Jones, play supervisor; Beatrice Blakely, teacher; Mary B. Cordingly, social worker; and Mary Lou Biggam, secretary. In front are Dr. Frank Friden, Dr. Hunter H. Comly, clinical psychologist Audrey Arkola and Dr. Frank Kiesler.



DR. Paul Dwan, Dr. Thomas Hall and Dr. Georgia Perkins are making exhaustive studies of congenital heart disease and rheumatic heart disease. These two leading child killers are getting the combined attentions of the pediatric, medical, surgical and other staffs at the Hospitals.

This particular research project is not the only contact that the Pediatric Department maintains with the other divisions of University Hospitals and the Medical School. At all times there is the closest of collaboration between everyone who has responsibility for care of the sick in the Hospitals.

With one of the largest medical schools in the country at the University, it's not surprising that the teaching program of the Pediatric Department is an extensive one.

The teaching schedule for practical purposes has been divided into two sections. The undergraduate division includes both juniors and seniors in the Medical School. Each class spends nine to ten weeks working in the department, in addition, of course, to



Assembled for their regular luncheon and seminar meeting in a Pediatrics Department playroom—ordinarily used by the children who are able to be up and about—are members of the staff.

all the class time spent studying pediatrics.

Juniors spend their clinical clerkship in the Inpatient Division observing hospitalized children and even helping make physical examinations under direct supervision of regular staff members.

The senior students spend their clerkship weeks doing Outpatient Division work. They also are assigned to make ward rounds with staff members and attend special seminars in pediatrics.

The graduate teaching program in the department now includes seven interns, appointed for a year's time, and 20 pediatric fellows, there for at least two years preparing to become specialists in the field.

INCIDENTALLY, when a doctor is a certified pediatrician, you can be sure that he really is a specialist. After a year's internship and receiving his Doctor of Medicine degree, he must work in a hospital as

a pediatric fellow for at least two years, then practice for a minimum of two additional years in association with or under the supervision of a specialist.

After all this training, he finally must pass both an extensive oral and written examination before he is certified and allowed to practice medicine as a fullfledged pediatrician, a specialist in the medical care of children.

THE full time staff of the Department of Pediatrics includes Dr. Irvine McQuarrie, professor and head of the department; Dr. John M. Adams and Dr. Charles D. May, associate professors; and Dr. Reynold A. Jensen, associate professor and Chief of Child Psychiatry.

Dr. Mildred R. Ziegler is an assistant professor and Dr. Hunter H. Comly, Dr. James F. Bosma and Dr. T. C. Papermaster are instructors.

Clinical psychologist and instructor in the department is Audrey Ar-

kola. Ellsworth Stenswick, speech pathologist, is a clinical assistant.

Dr. Robert A. Aldrich is head resident. Medical and research fellows working in the Pediatrics Department are Dr. Hua K'ang Chow, Dr. Mary P. Christiansen, Dr. Lawrence Erickson, Dr. William Frey, Dr. Frank Friden and Dr. Jack Galigan.

Dr. Carl Goebel, Dr. Thomas Hall, Dr. Roger Lienke, Dr. Georgia Perkins, Dr. Neil Litman, Dr. Theodore Smith, Dr. Forrest Adams, Dr. Wallace Lueck, Dr. Warren Anderson, Dr. A. J. Schroeder and Dr. S. C. Seigel are other full time medical and research fellows.

INTERNS are Dr. A. J. Ellinger, Dr. L. S. Nelson, Dr. R. S. Ely, Dr. Albert Miller, Dr. Robert Good, Dr. Edward Bauer and Dr. Robert Johnson.

Mary Lou Biggam and Shirley M. Pierce are secretaries for the Pediatric Department.

Greater University Fund *NOW IN OPERATION*

AFTER much time and planning, an all-purpose channel for giving to the University was set up recently. The Greater University Fund, as it is named, will allow alumni and friends of the University to make contributions to finance those advancements in its educational program which cannot be provided for through funds normally available.

Organized under a resolution of the General Alumni Association of the University, with approval of the Board of Regents, the Greater University Fund actually has a dual purpose—first, to share in the furtherance of the total educational program of the University, and second, to supplement the University's income through annual giving as well as through bequests and devises.

Under the new organization, gifts

will be welcome at any time, but a special campaign will be conducted every year for the Greater University Fund.

Booklets and newsletters encouraging contributions will be sent to friends and alumni of the University, and regular reports will be printed giving the names of all contributors.

ACCORDING to Stanley J. Wenberg, director of the fund, there is great need for spreading the idea of the Greater University Fund through individual personal contacts, telephone conversations, correspondence and through meetings. Staff members can share in this interest-creating campaign all of the year around.

Examples of what the money will be used for include:

(1) Helping students by providing more University scholarships, fellowships and student aids.

(2) Building a stronger faculty by retaining faculty strength already achieved and by encouraging the recruitment of additional scholars and scientists of outstanding promise.

(3) Advancing vital research by expanding the University's research program to add to fundamental knowledge and to serve the social and economic interests of the state and the nation.

(4) Increasing present facilities by acquiring new and vitally needed equipment, materials and research resources.

(5) Expanding services by strengthening all departments of the University in their teaching, research and other services to the people of the state and the nation.

Disbursements of the fund will be made under the direction of the Board of Trustees.

THE governing body of the fund is a Board of Trustees of nine members. Five trustees, elected by the Board of Directors of the General Alumni Association, are, Arthur R. Hustad, Elmer E. Engelbert, Ben W. Palmer, Parker D. Sanders and Mrs. Arnulf Ueland.

Fred B. Snyder is the one trustee elected by the Board of Regents from its members. Ex officio members of the board include President James L. Morrill; Malcolm M. Willey, vice-president for Academic Administration; and William T. Middlebrook, vice-president for Business Administration.

E. B. Pierce, director of alumni relations at the University, is secretary of the Board of Trustees.



Members of the Greater University Fund Board of Trustees. Left to right are Arthur R. Hustad, Fred B. Snyder, Elmer E. Engelbert, Ben W. Palmer, Stanley J. Wenberg, President James L. Morrill, Malcolm M. Willey, Parker D. Sanders and E. B. Pierce. Seated are Mrs. Arnulf Ueland and William T. Middlebrook.

The President's Page

NOTHING that is great can long stand still and remain great. In a little less than 100 years the University of Minnesota has attained an enviable position of national educational leadership. It is in this leadership itself that we find our irresistible mandate to press forward. But, to do this, the University must have human resources in the form of scholars, scientists, students, community participation and alumni loyalty, as well as money and materials. To mobilize these is an immense undertaking in which we all must share.

We, on the campus, feel a sense of heartening encouragement from the fact that the people of Minnesota, acting through their Governor and State Legislature, have given their University a new vote of confidence. In the recent session, the very foundations of our greatness were literally rescued from financial crisis.

Simultaneously, we must all realize that no university can ever quite command all the means that its conscience and commitment to the public weal require. But we must *go* forward as far as we can *see*. Let our *forwardlooking* set the benchmarks of our *forwardgoing*. Such vision, shared and supported, is the key to the attainment of greatness. Significantly, it is a university's noble opportunity, almost alone among social institutions, to search out the method, at least, for attain-



ing the goals which vision only can conceive. To the extent that a university plans greatly, it can hope for greatness.

The generous friends and alumni of the University have long shared specially in this rising role of this institution. They can well be proud of their part in its achievements. But, new needs continue to challenge us. I share the confidence of the General Alumni Association that through the Greater University Fund our friends, old and new, as well as our growing alumni body, will find our challenge theirs, as well; and will join us as living witnesses to the forwardlooking and forwardgoing of the University of Minnesota.

f. L. Morrill *





THE MINNESOTAN

Published for Staff Members of the University of Minnesota



VOLUME I

March 1948

NUMBER 6

MARCH 15 TO APRIL 20

The University of Minnesota Calendar of Events

CONCERTS: MINNEAPOLIS SYMPHONY ORCHESTRA (Northrop Auditorium)

Mar. 19—Percy Grainger, Composer-Pianist. 8:30 P. M.
Mar. 21—Twilight Concert—St. Olaf Choir. 4:30 P. M.
Mar. 26—Closing Concert. 8:30 P. M.

CONCERTS: MASTER PIANO SERIES (Northrop Auditorium)

Mar. 29—Robert Casadesu. All-French Program. 8:30 P. M.

CONCERTS: UNIVERSITY ARTISTS COURSE (Northrop Auditorium)

Mar. 31—John Charles Thomas. 8:30 P. M.

UNIVERSITY THEATRE (Scott Hall Auditorium)

April 9-10—"Heidi," adaptation by Lucille Miller. 8:30 P. M.

FOREIGN FILM SERIES (Northrop Auditorium) 4:00 and 8:00 p. m.

April 7—"The Miracle of Dr. Petrov," Russian dialogue with English subtitles.
April 14—"Two Anonymous Letters," Italian dialogue with English subtitles.

EXHIBITIONS

(University Gallery, Northrop Auditorium)

Mar. 3-Apr. 16—New Directions, an exhibition of contemporary painting.
Mar. 4-Apr. 1—Printed Peruvian linens, designs by Reeves and Dietrich.

CONVOICATIONS

(Northrop Auditorium, 11:00 a. m.)

*April 1—Dr. Franz Polgar. "Miracles of the Mind." Exhibition of mind reading.
*April 8—University Band.
*April 15—Charles Perry Weimer—"Cavalcade of the Caribbean."

LECTURES

(Museum of Natural History Auditorium)

Mar. 21—Dr. S. R. B. Cooke, Professor of Metallurgy. "Rocky Mountain Flowers". 3:00 P. M.
Mar. 28—Dr. Dwain W. Warner, Curator of Birds. "Some Glimpses of Local Bird Life." 3:00 P. M.
April 4—Dr. W. J. Breckenridge, Director of the Museum. "Realm of the Wild." 3:00 P. M.
April 11—Dr. W. J. Breckenridge, Director of the Museum. "Select an Outdoor Hobby." 3:00 P. M.

SPECIAL EVENTS

Mar. 18—Senior dinner, Main ballroom of Union. 5:30 P. M.
Mar. 18—Winter quarter Commencement. Ernest C. Colwell, President, University of Chicago. "Education is not Enough." Northrop Auditorium. 8:00 P. M.
April 9—Norway University Chorus, on tour from Oslo, Norway. Agnes Brevig, Director. Northrop Auditorium. 8:30 P. M.
April 11—Oliver Mogck and Gerald Feese. Vocal and violin recital. Scott Hall Auditorium. 3:30 to 5:30 P. M.
Mar. 19-April 2, 9, 16—Observatory (on roof of the Physics Building) open to the public. 7:00-9:00 P. M.

SIGNIFICANT UNIVERSITY BROADCASTS

KUOM. 10:45-11:00 A. M., Homemaker's Quarter Hour. Monday through Friday.
12:15-12:30 P. M., 2:00-2:15 P. M., 3:15-3:30 P. M. Newscasts. Monday through Friday.
4:00-4:15 P. M., American Folklore. Every Friday.
KSTP. 11:30-11:45 A. M., Consumer Clinic. Every Saturday.
WCCO. 3:30-4:00 P. M., Darragh Aldrich. University guest. Every Thursday.
10:15-10:25 P. M., E. W. Ziebarth. News. Monday, Wednesday, and Friday.

* Programs also broadcast over KUOM.

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COPIES ARE ON SALE AT THE UNION BOOK STORE

Photographs throughout this issue of The Minnesotan were taken by the University Photographic Laboratory.

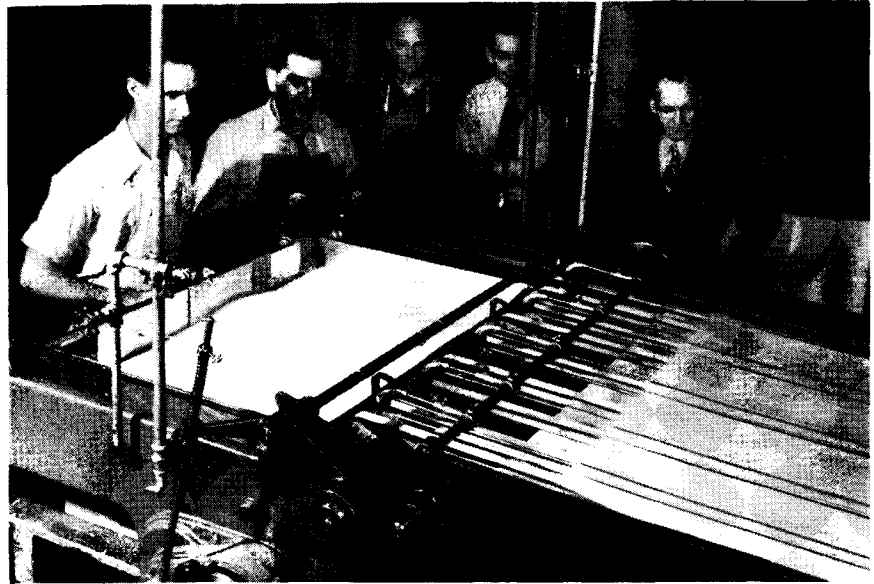
RACKET SHOWS RESULTS

PRINTING DEPARTMENT turns out many, varied jobs

A PRINTING shop is as attractive and full of fascination as a child's electric train for most adults, and the University's Printing Department is no exception.

The department and its related activities take up the entire second floor of the Storehouse and Shops Building on the Minneapolis campus. To one side of the huge room, which is almost always vibrating with the thump of one or more presses, are five big linotype machines. These operate in much the same way as a typewriter and fashion lead slugs or lines of type later placed together in proper order, inked and run off as pages of a book, a poster or even a Business Office form—in triplicate, of course.

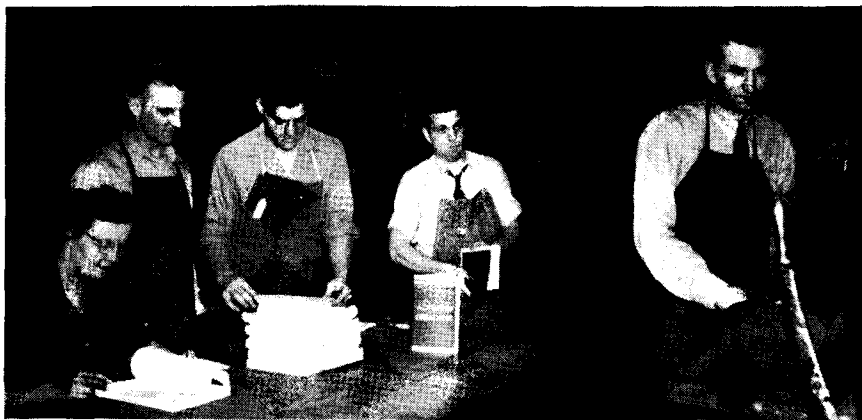
Other equipment in the Printing Department includes several kinds of



Watching newly printed sheets come off the press are Donald Congdon, Kenneth McDonald, Chester Suanson, Raymond Mathews and Emmet J. Quigley.

presses—job presses, which print slowly, but do a good and economical job on posters and small orders; automatic cylinder presses, faster

and better able to handle greater amounts of larger sized material; and finally, the three big cylinder presses which are capable of handling work up to 25 by 38 inches in size and can run off 16 pages of a booklet all at once.



Dorothy V. Frederick, Paul Podobinski, Gene Mancuso and James McMorran are shown folding and assembling a pamphlet in the Printing Department. Clarence Swedberg, far right, is working at the big paper cutter.

IN one section of the room stands a series of machines which cut and trim paper to the right size, fold and stitch pamphlets and books, even do perforating and punching of all kinds.

Near the door is the Addressograph Department, walled in by files full of thousands of metal plates, each plate with the name and address of a staff member, student, alumnus or someone to whom University mail regularly is sent.

In an adjoining room is the Mimeograph Department, whose activity has crowded two machines out and into one corner of the main shop. Both the Mimeograph and Addressograph Departments have their counterparts on the St. Paul campus.

Of course, all of these machines don't run by themselves, nor does a sheaf of typewritten papers move without help from step to step along the department's production lines and come out as a handbook, stationery, a University budget or any of the hundreds of other jobs taken on by the Printing Department. All of these things take much careful planning and lots of work by University staff members.

Take, for instance, a general information pamphlet. It comes into the printing shop through the office. Usually Emmet J. Quigley, manager, or Waldemar A. Magnusson, his assistant, see the original manuscript first. Often they help the staff member or department decide on the most effective way of presenting the booklet.

When this is settled, Raymond



Posed in the proof room are Ruth Lindahl, Jean Shearn and Florence Wellnitz, seated; Florence Hauger, Barbara B. MacDonald, Belinda Paulson, Betty P. Hanson and Teresa Nelson standing, in front; and Emmet J. Quigley and Waldemar A. Magnusson standing, in back.

Mathews, printing foreman, takes over and the copy goes out to the shop. One of the linotype machine operators—Louis Day, Carl V. Halling, Ernest W. Jacobson, Charles J. Williams or Sigurd Vikse—sets the material in type.

Compositors, under the direction

of Otto A. C. Bauman, set headlines and put the pages together. Next, proofs of our sample pamphlet are checked for errors by Florence K. Wellnitz, editorial proofreader, and Jean Shearn and Ruth Lindahl, proofreaders.

WHEN corrections have been made and the proofs also OK'd by the person who sent them over, the actual printing begins.

Pressmen Reuben Haugen, Kenneth McDonald, Donald Scherbert, and their assistants Raymond Jandel, Chester Swanson, Ralph E. Wallin and Donald Congdon are responsible for this phase of the operation.

The next steps in the process of preparing the pamphlet include folding and assembling all the pages in order, stitching the parts together, trimming the edges of the pamphlet and finally wrapping the finished copies of our example booklet and delivering them to the department which requested the pamphlets—one

Continued on page 13



Around a job press are Howard Christen, Raymond Jandel, Donald Scherbert, Reuben Haugen and Ralph Wallin.

The University Benefits from

GIFTS AND BEQUESTS, GRANTS-IN-AID (1947-48)

Gifts and Bequests

Previously Reported \$100,920.58

This Report \$ 5,775.25

An anonymous donor: FRANK H. JACOBSON SCHOLARSHIP FUND, \$2,000.

Campus Chest: SCHOLARSHIP FUND, \$1,466.91.

Georgiana Slade Peet: GEORGE T. SLADE SCHOLARSHIP FUND, \$1,000.

Radio Corporation of America: RCA SCHOLARSHIP FUND, \$400.

Magney, Tusler & Setter: MAGNEY, TUSLER & SETTER PRIZE, \$200 annually.

ALL-UNIVERSITY SCHOLARSHIP FUND, \$268.34: Improved Benevolent and Protective Order of Elks of the World, \$83.34; Women's Association of Westminster Church, \$75; P. W. Skogmo Charitable Trust, \$55; B. C. Gamble Charitable Trust, \$55.

Malcolm R. McBride: THEATRE BUILDING FUND, \$200.

Minnesota Society for Crippled Children and Adults, Inc.: HOSPITAL BUDGET, \$100.

WILLIAM A. O'BRIEN SCHOLARSHIP FUND, \$80: Helen A. Hauser, \$5; Alpha Delta Theta Medical Technology Alumnae, \$75.

Eight donors, through Miss Anna Marie Gissel: FREDERICK J. WULFING TRUST FUND, \$60.

To Agricultural Research Center at Rosemount and elsewhere: Minnesota and Ontario Paper Company: A number of portable farm buildings developed under its own research project.

To Department of Botany Herbarium: Dr. J. B. Moyle, Minnesota Department of Conservation: 356 plants of Arkansas, Minnesota, and the Mohave Desert: Dr. V. Conway, Department of Botany, The University of Sheffield, England: 18 mosses of Minnesota; Mildred Ericson, National Park Service, Yellowstone Park, Wyoming: 1 Wyoming plant; Dr. H. E. Stork, Department of Botany, Carleton College, Northfield, Minnesota: 3 Magdalen Island plants; Dr. A. O. Dahl, Department of Botany, University of Minnesota: 191 plants of Cook County, Minnesota; John De Q. Briggs, 667 Goodrich Avenue, St. Paul, Minnesota: 130 plants of Cook County, Minnesota; Dr. Olga Lakela, Department of Botany, University of Minnesota Duluth Branch: 437 specimens of Minnesota plants.

To Department of Aeronautical Engineering: Marvin A. Northrop Aeroplane Company, Inc., Minneapolis: A German Jumo 004 JET engine.

To Department of Electrical Engineering: Harnischfeger Corporation, Milwaukee, Wisconsin: One P+H TI-200 portable welder.

To University of Minnesota Hospitals: National Guard (over signature of Colonel R. A. Rossberg, NGB, Acting USP & DO, Minnesota), Camp Ripley, Little Falls, Minnesota: One 418-10 Oven Blodgett; One 824-1 Dessicator Dehydrate Blood; One 824-2 Dessicator Dehydrate Blood.

Grants-in-Aid

Previously Reported \$807,729.32

This Report \$108,976.98

Minnesota Cancer Society, Inc.: CANCER RESEARCH FUND, \$75,000.

American Dairy Association through the National Dairy Council: RESEARCH ON CHOLESTERAL METABOLISM, \$10,000.

Charles T. Miller Hospital, \$6,210: FELLOWSHIP IN MEDICINE, \$1,380; FELLOWSHIP IN OBSTETRICS AND GYNECOLOGY, \$1,380; DISPENSARY FELLOWSHIP (RADIOLOGY), \$1,380; FELLOWSHIP IN PATHOLOGY, \$690; FELLOWSHIP IN SURGERY, \$690; FELLOWSHIP IN OPHTHALMOLOGY, \$690.

Allied Chemical & Dye Corporation, \$2,400 and tuition: FELLOWSHIP—CHEMISTRY, \$1,200 and tuition; FELLOWSHIP—CHEMICAL ENGINEERING, \$1,200 and tuition.

United States Rubber Company: POSTGRADUATE FELLOWSHIP IN CHEMISTRY, \$2,200.

International Nickel Company, Inc.: FELLOWSHIP IN METALLURGY, \$1,500 and tuition, annually for 2 years.

Shell Fellowship Committee: FELLOWSHIP IN CHEMISTRY, \$1,500 and tuition.

Quain and Ramstad Clinic: FELLOWSHIP FUND—RADIOLOGY, \$1,380.

Parents Magazine Fund: PARENTS' INSTITUTE CHILD WELFARE RESEARCH, \$1,000.

Minnesota Medical Foundation: RESEARCH ON DIURETIC EFFECTS OF ORGANIC ACIDS, \$221.98.

Continued on page 10

Teacher PLACEMENT

Education bureau finds jobs for graduates

A LETTER of inquiry from Alaska or a visiting dean from New Jersey—both are examples of the type things which often happen on any one day at the College of Education's Bureau of Recommendations.

And spring is the time when the greatest activity takes place in the bureau, for now Clifford P. Archer, director, and the staff are not only adding the complete records of over 400 June graduates of the College of Education to the files, but also are busy with placement of these new teachers in schools located as far away as Hawaii and as near as Minneapolis and St. Paul. Requests have come in from 45 states and the District of Columbia, from all United States' territories and from seven foreign countries.

FINDING jobs for new graduates is only part of the bureau's job, however; in 1947, many of the over 8,500 inquiries which came into the office asked for experienced teachers and administrators to fill vacancies on a school, college or university staff.

Included in its files of over 25,000 names, the bureau has college presidents, deans, professors and instructors in elementary and high schools, and has been instrumental in getting



A conference with Burton Kreitlow and Ralph R. Reeder is held by Clifford P. Archer, right, in his office. They are studying the credentials and recommendations of a teacher, preparatory to recommending him for a promotion.

positions for all of these types of educators.

Up to this year, registration with the Bureau of Recommendations was a voluntary thing for graduates and alumni of the College of Education. This year, registration was made compulsory for 1948 graduates, even if they already had a teaching position. Frequently, graduates need help several years after leaving school, when it is much more difficult to get recommendations and scholastic records than right at graduation time. The bureau now will have these complete files.

IN his personal file, each candidate has a complete history of scholastic preparation, undergraduate and graduate course work and personality characteristics. A list is made also of extracurricular interests and participation, recommendations of faculty and former employers and information relative to suc-

cess in student teaching. Anything which might be a help in securing a job is included in the file, and it is the responsibility of the bureau staff to see that every one of the files is kept up-to-date.

GRADUATES of the University from other colleges and departments who are interested in securing positions through the Bureau of Recommendations are welcome to register also at the bureau, even if only because they want a complete, confidential file of their qualifications which may be sent to prospective employers at any time.

When inquiries are made, either in person or by letter, from schools and colleges interested in hiring our graduates, files of people qualified for the position are studied and several files which fit most closely the specifications of the job are sent. The school, then, ordinarily asks the most likely candidate or candidates

to appear for a personal interview. When deans or officials of these schools or colleges come personally to the Bureau of Recommendations, they interview candidates in the special little rooms for that purpose off the main offices of the bureau, which, incidentally, are located in 210 Burton Hall.

AN elaborate system of cross references is used to sort out prospects for a job, and teachers often may be recommended for a promotion even though not specifically requesting one. There is no charge for placement by the bureau, and only a small fee for registration, as this is considered a University service project for its graduates.

An important middle-man part in bringing teacher and job together is played by the Bureau of Recommendations. Today, with the shortage of teachers, you may think that part isn't too important, for our qualified University graduates should be able to find a position without trouble. That, according to Mr. Archer, isn't



At one of the many files which hold personnel records is Mae Faulds, Betty Jane Reed and Jo Zinmar.

quite the case. Some fields are adequately staffed, or even have a supply of candidates greater than the demands. "We are," says Mr. Archer, "placed in the position of hunting for jobs for our people, yet we

cannot supply all the teaching openings.

"There are some fields, such as social studies, men's physical education, industrial arts and high school principalships which are almost crowded. On the other hand, the greatest shortage areas are elementary education, women's physical education, high school music and all fields of teaching where a doctor's degree is required."

In order to get the best possible teaching and administrative positions for graduates registered in the Bureau of Recommendations, every university and college in the United States and every high school in the northwest is circularized regularly. In addition, Mr. Archer, who personally works to fill college and administrative positions, and often Ralph R. Reeder, who handles high school and elementary school placements, take trips to cities and to educational conventions in order to do further personal contact work. Over

Continued on Page 15



Part of the office staff gathers to have a picture taken. Seated are Pearl Baker, Pauline Pritchard and Anne Marie Berggren. Kathryn McNamara, Robert Teal, Colleen Durhan and Irene Skovran are standing.

RED CROSS DRIVE CAMPUS REPORT

Staff goes over quota set

STAFF members have done it again! Just finished is the American Red Cross drive on the Minneapolis campus, with a grand total of \$9,010 collected, or 117 per cent of the quota assigned.

On the St. Paul campus, where staff members were solicited by letter rather than by personal contact, the drive is not yet completed. So far, however, the folks on that campus have collected \$999 out of a \$1,200 goal—and the drive is still going strong.

Those on the St. Paul campus who have not as yet contributed to the growing total may do so by sending, or taking, their donations to the office of Albert M. Field, head of Agricultural Education, 205 Horticulture Building. A receipt and a Red Cross lapel button will be sent you by return campus mail.

THE completed Minneapolis campus drive showed that this part of the University, classed as a "Special Group" for purposes of the drive, along with the courthouse, the post office and private and public schools, outranked all other divisions in the group.

Some 200 solicitors on the Minneapolis campus received money from 3,000 contributors to make up the \$9,010 total. So far, 236 St. Paul campus staff members have contributed.

Solicitors leading the Minneapolis campus drive with the greatest number of individual contributions to their credit were Harry O. Bye, as-

sistant purchasing agent, with 96 contributions totaling \$156; Carol M. Palmer, assistant administrative nursing supervisor, who solicited 90 people for a total of \$145; and Jerome Tower, principal clerk, with 72 contributions and a total of \$89.

The groups contributing the largest sums of money were the Minneapolis Symphony Orchestra, the Law

School and the Medical School. Solicitors for these groups were Glenn R. Cooke, Symphony personnel manager; William E. Mussman, assistant professor of law; and Lillian Hunter, administrative secretary, Medical School.

G. Ray Higgins, director of Minnesota Unions, was chairman of the Minneapolis campus drive.

It Won't Happen Here!

JUST for a laugh, here's a parody of the type article often seen in many staff publications. It's taken from the Post Scripts page of a Saturday Evening Post.

(From *Clean Sweep*, employees, magazine, Go-Dust Vacuum Cleaner Co.)

"During a recent home-cleaner demonstration, Terrence P. (Teepee) Granshaw, Jr. (Sales, door-to-door), suffered a sprained thumb while using our Odd-Corner Attachment. Get well quick, Teepee!

"Don't Forget Our Annual Bowling Banquet Friday Nite.

"A very smooth vocal recording of Winter Wonderland was made on Vice-President Mumford's dictating machine by three girls from our Typing Department during Tuesday's lunch hour. The artists, who call themselves the Typist Trio, are Grace Janoski, Bimmy Merrill, and Vic Switzer. They recorded the whole song without any musical accompaniment, except for bell sound effects as played by Pelly Pelham (Accounting) who snapped a typewriter bell at just the right places.

"Let's Get Behind the Bowling Banquet! Not Like Last Year!

"Mrs. Bertha Maddigan, the cleaning lady who comes at night, has asked that all office personnel please be a little more careful about crumbs in their desk drawers, on account of micc.

"Office Bowlers: Have You Paid Your Buck?

"The Three o'Clock Cola Club has temporarily folded while Homer (Bunkie) Collet (Time Study) is laid up at home with a head cold. Homer, who is the club's Chairman in Charge of Running After Things, is much missed by one and all. Several volunteers tried to take his place fetching ice cream, sodas and so on, but they either got our orders mixed up or else ran into confusion on bottle deposits.

"No Platters on Credit at the Bowling Banquet! Pay Now!

"Eddie (Haircut) Wingert (Purchasing Dept., Rotating Brushes Division) would like to know who made three out-of-town calls to Sumneytown (toll costs, 18 cents) and charged them to his timecard number. Looks like someone lacks that old Office Spirit! One of you isn't Playing the Game! For a lousy eighteen cents, let's not stick Eddie!

"See You at the Bowling Banquet."

The Minnesotan

Short Courses Serve State . . .

USEFUL TIPS GIVEN

ON ROSES, SWINE AND TAXES

THE veterinarian who wants to catch up with recent trends in diseases of newborn calves, the horticulturist interested in the future of Minnesota's berry industry, the farmer concerned about the problems of swine feeding and the farm woman who is interested in better homes, health and recreation—all can depend on a short course at the St. Paul campus to answer their questions and give them a chance to air their problems with scientists, research workers and other experts.

Last year, more than 8,000 farmers, 4-H'ers and persons in related fields came to University Farm to attend one of the 34 short courses.

Not all of these people were "freshmen." One course that is acquiring a class of students who return year after year is the farm income tax short course. These students report practical results of their training. The 400 bankers, lawyers and special workers in attendance at that short course last year made out federal income tax returns for one-third of the farmers in Minnesota.

CITY horticulturists as well as rural, are welcome to attend the horticulture and rose growers' short courses held annually at the St. Paul campus. Cooperating with the University Division of Horticulture in sponsoring the rose growers' short



course is the Minnesota Rose Society and the Minnesota Horticultural Society.

More than 100 rural Minnesota ministers, representing practically every major faith, participated in the Rural Church Institute held last may.

Biggest event of the year, however, is Farm and Home Week when normally up to 3,000 farmers and their wives have gathered annually for refresher courses in farming and homemaking. Last year's Farm and Home Week involved every division of the Department of Agriculture, represented by nearly 150 University staff members, assisted by 31 guest instructors.

MORE than 200 members of the College of Agriculture, Forestry and Home Economics, the School of Agriculture and the Division of Agricultural Extension help instruct students each year in new techniques and theories. More than 100 guest instructors from colleges and industries all over the nation last year participated. Among these were state and national executives, educators, scientists, legislators and other leaders in civic affairs.

The long-range effect of education by agricultural short course, according to J. O. Christianson, director of the series, is to "awaken an interest and respect for better methods and

From all over the state came interested people for the annual Swine Feeders' Day held in the Livestock Pavilion on the St. Paul campus.

dependable information"—interest and respect stimulated perhaps by the fact that these short courses grow directly out of and are designed specifically to meet the needs of farmers and businessmen and their families in the state.

"The interesting thing about short courses," commented Mr. Christianson, "is that they are so adjustable. A new course can be added quickly if there is demand or need for it, and an old, unwanted course can be dropped."

The Rural Church Institute, for instance, was developed as a result of requests from Minnesota clergymen seeking a deeper understanding of rural life problems, spiritual, technical, social and economic. In the same way, a Town and Country Institute is now being discussed for the fall of 1948.

THE farm income tax short course was given for the first time in the fall of 1943 when, as

Continued on page 11

Seeing the Invisible

MICROSCOPE ENLARGES 25,000 TIMES

WHAT is it that generates 50,000 volts of electricity, is kept in a special dustproof room and enables staff members to examine material which is less than a millionth of a meter in thickness?

Many people on the University staff would have no difficulty connecting the above description with one of their most valued pieces of equipment, the big electron microscope located on the ground floor of Millard Hall.

One of only 100 in the country, the electron microscope was purchased as a service to those doing research in graduate school, as well as staff members who are engaged in studies which can be helped by such a complicated device.

A SUPERVISING committee, with Dr. Maurice B. Visscher, head of the Physiology Department, as chairman, determines general policies governing the microscope. Other members of the committee are K. Wilhelm Stenstrom, Otto H. Schmitt, David R. Briggs, A. Glenn Richards, J. W. Buchta, I. M. Kolthoff, Ralph L. Dowdell, Dr. Alan Hemingway, and Richard T. Arnold.

Through the electron microscope staff members can examine minute objects and find information which is not intelligible to even the most powerful of the ordinary light microscopes. The range of subjects which may be viewed and photographed with this amazing machine is of course, extreme. Details of bacteria, although seen in an optical

microscope, can be examined with much more care with the electron microscope. Still other objects, which do not even show up in other microscopes, loom huge in the viewer of this super-machine.

By carefully twisting the dials on the control panel of the microscope, the

operator can secure magnification of the specimen being examined up to 25,000 times its normal size. The photographic equipment, cleverly attached to the control board, enables pictures to be snapped of the subject, just as it is seen in the viewer. Additional magnification—up to 200,000 times—can be



Dr. Robert A. Huseby adjusts the dials of the electron microscope with the assistance of A. Glenn Richards, one of the scientists who first tested the microscope in this country.

had by use of the photographic enlarging equipment, if this is needed for the research findings.

And what goes on behind that steel cover when a specimen is inserted in the microscope and all 50,000 volts are switched on? Briefly, electrons pass through the condenser lens, then through the specimen being examined, the objective lens and then through the projector lens, which corresponds to the eyepiece in a regular microscope. In the final viewing screen, then, you see an enlarged shadow picture of the actual specimen.

THE lenses are electromagnetic coils which refract the electron beams in the same way that glass lenses in other type microscopes refract light rays.

In spite of the tremendous voltage involved when the electron microscope is operating, the big machine is just as safe, if not safer, than an ordinary, small-voltage electric motor. Virginia M. Kletzin, medical photographer who operates the microscope, and James F. Marvin, instructor in Biophysics who supervises its use and care, constantly are protected from electric shocks



Virginia M. Kletzin looks over James F. Marvin's shoulder as he does a repair job on one part of the electron microscope. Other tiny parts are carefully placed on the table in front of him.

which might be more than enough to kill a human being. Every time either of them opens the side of the machine

in order to examine or work with the complicated equipment which is responsible for its operation, the electricity is automatically shut off, and grounding forks fall across every part of the machine which might carry dangerous current.



A fraction of one scale off the wing of a mosquito, magnified 15,500 times and then photographed just as it appears to the scientist under the viewing screen of the electron microscope

ALL the year around according to Miss Kletzin, there is a steady stream of people coming in to make use of the electron microscope in their studies. The only slack times are during final examination periods when everyone seems to be occupied elsewhere.

And for all the people who find their way down to Room 14-B Millard Hall, the electron microscope is a time-saving and often invaluable help in their research, many times an aid which can be reckoned in terms of important, life-saving discoveries in varied fields of research.

Staff Member of the Month . . .

Dean heads first college veterans survey group

RESULTS of a nationwide survey of college veterans has been in the educational spotlight for several weeks now. The information gathered through the survey was used and considered important in passing the veterans' increased subsistence bill through Congress. It is now being used as a basis for similar studies by individual colleges and universities of their own problems along this line.

What most of us don't know is that this survey, scientifically conducted and based on interviews with a specially selected sample of veterans attending all types of colleges in every region in the country, originated right from the University of Minnesota.

Largely responsible for instigating the study, made possible by a grant of funds from the Disabled American Veterans, was Edmund G. Williamson, dean of students.

DEAN Williamson, who, in addition to managing the activities of the 11 departments under his direction, has been an active member of the American Council on Education for over 10 years, is chairman of the committee supervising the survey. Also working from here has been Ralph Strom, director of the project, who conducted the survey.

This type of valuable systematic national study has never been made of college students before, partly be-



Dean Edmund G. Williamson, member of the American Council on Education, and chairman of the committee making the first national survey of veterans in college.

cause funds have never been available. So when Martin Goldsworthy, head of the Minneapolis chapter of the Disabled American Veterans, wanted to know of some way to help disabled veterans while they were in college, Dean Williamson helped him work out this scheme to make colleges conscious of the special problems of the disabled.

The questionnaires, only partially broken down, already show a whole range of problems, problems most advisors don't even know are there. Even while these surveys are being analyzed, Dean Williamson is starting to work at sending out the first results. He wants everyone, not just educators, to know what the college veterans are thinking, doing and

wanting. A series of bulletins is being prepared, which will be sent to every college in the nation, as well as to organizations such as the Chamber of Commerce and veterans' service agencies. These, in addition to two series of news stories about the survey already sent out to every part of the country by the University News Service, will make future employers and all those who deal with disabled veterans conscious of their problems.

The survey won't be useful only while veterans are in school, either; disabled non-veteran students have precisely the same problems, and the survey applies to them as well—another reason why it is so valuable.

One of Dean Williamson's great hopes about the study is that the extremely favorable results showing the veterans as exceptionally good students will raise enthusiasm for a national scholarship fund. As an educator, he is most anxious to "convince both politicians and people in general that it is worthwhile to subsidize brains."

Gifts and Bequests

CONTINUED

Northwest Feed Manufacturers Association: ASSOCIATION RESEARCH, \$2,000.

An anonymous donor: B. F. NELSON RESEARCH FUND, \$2,000.

MALIGNANT DISEASE RESEARCH FUND, \$1,500: E. W. Wylie, \$1,000; Charles J. Upin, \$500.

American Philosophical Society: RESEARCH IN ASTRONOMY, \$1,000.

Dr. L. R. Boies: OPHTHALMOLOGY AND OTOLARYNGOLOGY—SPECIAL RESEARCH FUND, \$1,000.

Dr. Arnold G. Schwyzer: OWEN H. WANGENSTEEN FUND FOR SURGICAL RESEARCH, \$50.

Miss Eleanor Schultz: VARIETY HEART HOSPITAL FUND, \$15.

Short Courses

CONTINUED

more farmers came into the tax brackets, their demand for help became insistent.

This year's schedule so far includes four courses being held for the first time: the 2,4-D course, the machinery service men's day, the canners' and fieldmen's course and the soybean conference.

Mr. Christianson is largely responsible for the animation with which courses are developed and presented. He spares no effort to present all information available to these students, and also provides for their comfort and entertainment.

If enough people in rural communities write or come to the St. Paul campus seeking information on a certain subject, Mr. Christianson calls together a committee to study the feasibility of a short course. The group is usually composed of members of the division under which the short course is to be taught, together with representatives from related divisions. These staff members survey the need, analyze possible subject matter, and study the significance of such a course. Details of arrangement, time and length of course, fees, facilities, housing, food service and other accommodations are set up in cooperation with the departments concerned.

IN addition to this service to the state of Minnesota and its citizens, the office of short courses serves as the liaison with the General Extension Division of the University in arranging for correspondence courses and evening classes in agriculture, home economics and forestry.

The short courses are not to be confused with the School of Agricul-



Giving directions about a coming short course to Margaret M. Roddy and Helyn M. Butler is J. O. Christianson, in charge of the series.

ture, which offers vocational training in agriculture, homemaking and practical nursing for older rural youth on essentially a junior college level, points out Mr. Christianson, who is also superintendent of the school on University Farm.

In the short course office, Administration Building, University Farm, are Margaret Roddy and Helyn

Butler. They handle office details of housing, registration, typing and assembling of abstract material covering speeches and discussions at short courses, publicity, program printing and mailing and many other details which arise in handling short courses, conferences and special days each month throughout the year.

Job Opportunities at the University

do YOU know any friends or acquaintances who would like to work at the University? If they can qualify for any of the jobs listed below, ask them to come to the Civil Service Employment Office any hour during the day. The number of vacancies for each classification is listed on the right:

Jobs usually filled by women

Clerk 5
Clerk-typist 17

Clerk-stenographer 7
Senior clerk-typist 1
Secretary 2
Comptometer operator 2

Jobs usually filled by men

Tractor operator 1
Utility man 1
Key punch operator 1
Storehouse stock clerk 1
Senior custodial worker 1
Director Pioneer Hall 1

RETIREMENT PLAN

Faculty benefits from changes in group insurance program

AFTER nearly two years of study by the University Advisory Committee on Insurance and Retirement, the Board of Regents has approved some significant changes in the Faculty Insurance and Retirement Plan. These changes are an important advancement for members of the academic staff.

In question and answer form, then, here are the approved modifications in the faculty plan.

Is the existing retirement age for faculty members changed in any way as a result of the new rules?

Yes, it is. Faculty members who have rendered 25 or more years of continuous full-time service with the University may retire with full retirement allowance, if they wish, on any June 30 after they reach the age of 65. The rule about compulsory retirement on the June 30 following attainment of age 68 is unchanged.

What happens to faculty members who have worked less than the 25 years of continuous full-time service?

They may retire voluntarily on any June 30 following their 65th birthday, also. The full retirement allowance, however, is reduced by 4 per cent for each year earlier than the compulsory retirement date.

Staff members of the Duluth Branch, and after June 30, 1948, other members eligible for the retirement plan who enter University service and receive the \$10,000 Group Death and Disability Insurance after their 48th birthday, receive special allowance upon retirement. They receive the retirement annuity provided by the retirement contracts jointly

purchased in addition to the University supplement (provided funds may permit) which would have been paid them if they had received the group insurance before their 48th birthday, reduced, however, by one-twentieth for each year later than age 48 they received the Group Insurance.

How will these changes in the plan affect new staff members?

Beginning July 1, 1948, all retirement contracts offered by the University have a maturity date of age 65. For each new member of the staff the amount of group insurance will be reduced \$1,000 per year from \$10,000 beginning with age 60, to a minimum of \$5,000.

Will these changes in the retirement plan make any difference in the University's share of the annual premium?

The University's share will be increased from its present \$400 yearly limitation to \$500 per year for professors and \$450 a year for associate professors. There will be no increase for assistant professors and instructors.

Subject to these limitations, therefore, 20 \$1,000 units instead of the former 17 will be mandatory.

Does the new setup provide in any way for increased benefits to instructors and research fellows?

Yes, the maximum total retirement allowance for instructors and research fellows is increased from \$1,000 to \$1,200 per year, but is not to exceed 50 per cent of the average salary for full-time service during the five years preceding retirement.

STAFF members whose individual retirement programs will be affected this year will be contacted very shortly by Ray F. Archer, director of the Department of Insurance and Retirement, who will help you solve your problems regarding the immediate significance of these changes for you.

In any case, a new descriptive booklet incorporating the changes will be sent to every academic staff member very soon.

Members of the Advisory Committee on Insurance and Retirement which worked out the changes are Richard L. Kozelka, dean of the School of Business Administration; Ray M. Amberg, superintendent of University Hospitals; Wallace V. Blomquist, assistant supervising engineer; Raymond W. Brink, professor of mathematics; Austin A. Dowell, professor of agricultural economics; Marcia Edwards, assistant dean, College of Education; Elmer M. Johnson, assistant professor, School of Agriculture; and Malcolm M. Willey, vice-president for Academic Administration.

ORCHIDS TO

All the University staff members who, through their work and planning, made the Charter Day dinner possible.

**The Minnesotan
Tells Why On Page 16**

Racket Shows Results CONTINUED



In the mimeograph room are Shirley Fees, Lorraine Hanegan, Alyce Ko, Sylvia Young (at the mimeograph machine), Helen Strukel, Marjorie Reeves, Harriet Johnson and Elva Lavers.

more of the many printing jobs completed quickly and successfully by this Service Enterprises Department.

THE Printing Department has been working right along with the University for many years. Back in 1915, it was located in a frame house on Union Street, with three job presses and a linotype the only equipment. In 1924, when the present Storehouse and Shops Building on 15th Avenue was finished, the department moved right over, and has been expanding its space there regularly ever since.

Today, the printing shop has more staff members than ever before, and the steady press of work keeps them all busy.

Robert A. Amon and Richmond Busdicker are printing apprentices in the shop. Alfred H. Thorberg and John A. Ulasich are compositors, and Edwin Hanson is stone man.

Working in the binding and finishing processes are John Justen,

stockcutter; James McMorran and Clarence G. Swedberg, foldermen. Dorothy V. Frederick and Minnie Swanson are assistant bookbinders; printing assistants are Florence Hau-

ger, Howard Christen, Gene Mancuso and George S. Smith; Paul Poldobinski is clerk.

Belinda Paulson is in charge of the Addressograph Department. She and Helen Nelson and Betty P. Hanson, clerk-typists, keep all the mailing lists—including that of The Minnesotan—up to date, and make an addressograph plate for every name on their lists.

Hundreds of mimeograph stencils are made and run off every month by staff members working with that division of the Printing Department. Probably the biggest demands are for examination questions and study guides, and Elva Lavers, office supervisor, with the help of her staff, keeps a steady stream of these going through the mimeograph machines.

Barbara B. MacDonald is senior clerk in the Printing Department, and clerks are Alyce Ko, Helen Strukel, Sylvia Young, Marjorie Reeves, Shirley Fees, Lorraine Hanegan and Charles Quinn.

Harriet Johnson is clerk-typist and Oscar Anderson is assistant trucker.



Gathered around a composing table are Robert H. Amon, John Ulasich, Carl Halling and Otto Bauman, in the front row. In back are Richmond Busdicker, Lewis Day, Ernest Jacobson, Charles J. Williams and Alfred H. Thorberg.



BEING part of the University staff has many advantages, including unusual opportunities for cultural and recreational activities now that spring is on the way. Staff members in the Twin Cities and Duluth may take advantage of many of the same entertainment facilities which are offered to students.

Information about exact times and places for most of these events can be found in the Minnesota Daily, the UMD Statesman, The Minnesotan and on the numerous bulletin boards in and near campus buildings.

foreign films

THE best foreign films are shown in Northrop Auditorium regularly and staff members may get season or individual tickets for a very small sum.

the unions

MANY facilities of Coffman Memorial Union and the Union on the St. Paul campus are available to University staff members, including lounges and food service utilities.

Also in Coffman Union is a record lending library, Room 315, which maintains an extensive stock of classical phonograph records available free of charge to staff who wish to borrow them.

If you would like to make articles from wood or leather, dabble in

ceramics, or if you've always wanted to try your hand at water color or oil painting, we suggest the art craft workshop, Room 50, Coffman Union. You can get expert instruction and materials for cost. It's open every day and also on Friday nights.

On the St. Paul campus, the Union has a photographic darkroom for use of both staff and students.

Every noon, staff members may do a little relaxing during the music listening hours in Coffman Union's terrace room. You can settle down in an easy chair and hear this classical music during your lunch hours.

Coffman Union has movies during the week, too, and at hours many staff members find convenient—Monday from 11 a.m. to 1 p.m., and Wednesday, when newsreels are shown from 11 a.m. until 2 p.m. These programs are held in the main ballroom, on the ground floor.

Both Unions also hold special programs and activities to which staff are invited. Coffee hours for individual departments, bridge instruction and tournaments, style shows and dances are included.

drama and music

DURING spring quarter and the summer sessions, the University Theatre will present a number of plays of all types, including "Beggar on Horseback," by Kaufman and Connelly. Staff members may get special, reduced rate season tick-

ets for both summer plays and next year's productions.

In addition to the free concerts offered regularly by the Music Department, University Symphony Orchestra, University Concert Band, University Chorus and the Department of Concerts and Lectures, staff members may purchase season tickets for the Minneapolis Symphony concert series at a reduced rate. For the Master Piano series and the Artists Course, staff are given preference in seats.

about sports

NEXT fall, staff may, as usual, purchase season athletic tickets at the same price reduction allowed students. These provide admission to football, basketball, hockey and baseball games, wrestling matches and track meets.

If you're interested in actually participating in team sports yourself—such as baseball—you may, with the University's full approval, organize teams and set up a tentative playing schedule. Make arrangements with the director of either the men's or women's Athletic Departments for use of their equipment.

This fall, try organizing your own bowling team. If you wish, you can play with the regular intramural league on your campus.

Individual recreational activities—swimming, bowling, billiards and tennis—also are available to staff members.

Teacher Placement CONTINUED

69 per cent of University graduates are placed in Minnesota schools.

As Mr. Archer is careful to explain, the job of his office is not merely to find jobs for graduates and alumni, but to be looking for promotional opportunities for them at the same time. He sums it up, "Our job is to keep our people working and encouraged. In order to do that, we need to give them hope of advancement.

"It is a social waste if graduates are not placed in jobs where they can make the most use of their knowledge."

SHARING the offices of the Bureau of Recommendations, but not directly connected with it (except that Mr. Archer is chairman of the all-university committee), is the University Placement Inquiries Clearance Office. Burton W. Kreitlow is in charge, and takes care of inquiries about candidates for jobs which do not specify any particular school or college of the University. He acts as a guide to employers seeking job candidates, in other words, and refers them promptly to the department which can best fill their requests. His job is that of coordination only.

There is quite a list of staff members who do the one hundred and one things which are necessary to keep the Bureau of Recommendations functioning smoothly. Maxine Kamm is senior secretary and in charge of the office; Betty Jane Reed, senior clerk-typist, registers all candidates.

Other office staff members are Jo Zimmar, senior clerk-typist; Mae Faulds, senior clerk-typist; Phyllis Black, clerk-typist; Pearl Baker, clerk-typist; Pauline Pritchard, clerk-typist; Robert Teal, clerk-typ-



Dean J. Murray Lee, from the College of Education, Washington State College, at Pullman, Washington, interviews a candidate for a teaching position, with the help of Clifford P. Archer.

ist; Nana Goodwin, clerk-typist; Colleen Durhan, clerk-typist; and Anne Marie Berggren, clerk-typist; Irene Skovran, senior clerk.

Retired Staff Read *The Minnesotan* For News of Those on Active Duty

HAPPY to keep in touch with their friends at the University through *The Minnesotan* are many retired staff members—people to whom the magazine is sent regularly every month, just as it is to you.

Several letters sent from retired staff members are particularly interesting.

Dr. W. F. Lasby, dean emeritus of the School of Dentistry, wrote, "After being intimately connected with the University since I entered as a student in 1900, and subsequently a teacher, and Dean of Dentistry until my retirement on July 1, 1945, I have a continuing interest in the University and *The Minnesotan* has brought me many items of

news which I am pleased to know. I shall look forward to receiving further issues."

From Marbury B. Ogle, emeritus professor of Classics, who now lives at Capistrano Beach, California, came another fine letter. He wrote, "Many thanks for *The Minnesotan* which arrived the other day. You who are still in active service with the University cannot realize what these excellent surveys of its activities mean to one at least of those who are now deprived of taking any real part in them. I am looking forward eagerly to the succeeding issues.

"Congratulating you on your helpful and interesting publication."

University Birthday Party *HELD FOR REGENT*

STAFF members from both Twin Cities campuses last month joined together in a project to honor Fred B. Snyder, chairman of the Board of Regents. They helped him celebrate his 89th birthday at a party held in connection with the commemoration of Charter Day.

Over 230 staff members attended the banquet, held in the main ballroom of Coffman Memorial Union. Non-University folks were there, too—450 of them, including some of the state's leading citizens—Governor Luther W. Youngdahl; State Supreme Court chief justice Charles Loring; the Right Reverend Benjamin T. Kemerer, retired Suffragan Bishop, Episcopal Diocese of Minnesota, and acting rector of the Cathedral Church of St. Mark; Harry H. Bullis, president of General

Mills, Inc.; Ben W. Palmer, prominent Minneapolis lawyer and University alumnus; and many others.

The event was truly an all-University tribute to Mr. Snyder—a thank-you from the staff itself for the years of service he has devoted to his University.

Many departments and individuals had a part in making the evening a success. All contributed their time and effort.

Planning and serving the dinner was the contribution of the University Food Service, while ushers at the banquet were from the University Theatre.

THE Printing Department, under the management of Emmet J. Quigley, printed the programs for the evening, programs which gave

not only the order of events, but described the “Builder of the Name” Medal and Mr. Snyder’s achievements in earning it, as well. Other information in the program was a history of Charter Day and a mention of staff members who helped plan University of Minnesota Week.

The program’s cover design was created by Jane McCarthy of the University Press and line drawings used were by Ivan Doseff, of the Art Department.

THE entire dinner program was broadcast over the University’s own radio station, KUOM, including a specially-written half-hour dramatization of Mr. Snyder’s life.

Background dinner music was provided by members of the University Symphony Orchestra and Chorus through the help of the Music Department. Dr. Paul M. Oberg, chairman of the department, directed the orchestra and James Aliferis, associate professor of music, the chorus.

During the speeches telling of Mr. Snyder’s contributions to the many circles in which he moved, the audience’s attention was turned to each speaker in order by the big spotlights operated from the ballroom balcony. In charge of this special lighting effect, as well as the loudspeaker setup for the evening was Peyton M. Stallings and other staff members from the Audio-Visual Education Service.

THE evening of testimony to Mr. Snyder was made a success by these and many other staff members who banded together for this celebration both of Charter Day and Mr. Snyder’s birthday.



President James L. Morrill presents the first “Builder of the Name” Medal to Fred B. Snyder, chairman of the Board of Regents and long-time friend and supporter of the University.

The President's Page



IN SEPARATE appropriation acts the 1947 Legislature provided for salary increases for both state employees and for University of Minnesota civil service staff members. These went into effect on July 1, last summer.

In addition, the 1947 Legislature provided that for every increase of nine points in the Bureau of Labor Statistics' cost-of-living index prior to January 1, 1948, state employees would receive one increment increase in salary, beginning July 1, 1948. As everyone knows, the cost of living continued to rise. By January 1 of this year, state employees were entitled to two increment increases effective on July 1.

Governor Luther W. Youngdahl announced that, under the cost-of-living formula as ordered by the Legislature, wages of some 10,000 state employees would be increased by two increments, starting on July 1.

The 1947 Legislature, in making its appropriation for the University, did not use directly this cost-of-living formula, but did provide specifically that all non-academic employees at the University "shall be paid a salary comparable to the salaries paid to the employees in the classified state civil service."

Inasmuch as future cost-of-living changes could not be anticipated, the 1947 Legislature did not provide funds to the University for any such increments. Fortunately, however, the intention of the legislature was clear.

The Regents, aware of this problem, authorized

exploratory consultations with the Governor and certain legislative leaders. After these meetings, the Regents decided to go ahead and put these cost-of-living adjustments into effect on July 1 of this year. This action is taken on the assumption that the Legislature will provide the necessary funds to carry out its implied mandate in the 1947 University Appropriations Act.

This means that the civil service employees at the University will receive a cost-of-living increase of two increments in salary, beginning July 1 of this year. The employees who have not as yet reached the maximum of their salary range will be eligible for the usual merit increase in addition to these cost-of-living adjustments.

This deserved assistance to the civil service staff members of the University is heartening indeed, and I am happy officially to announce it.

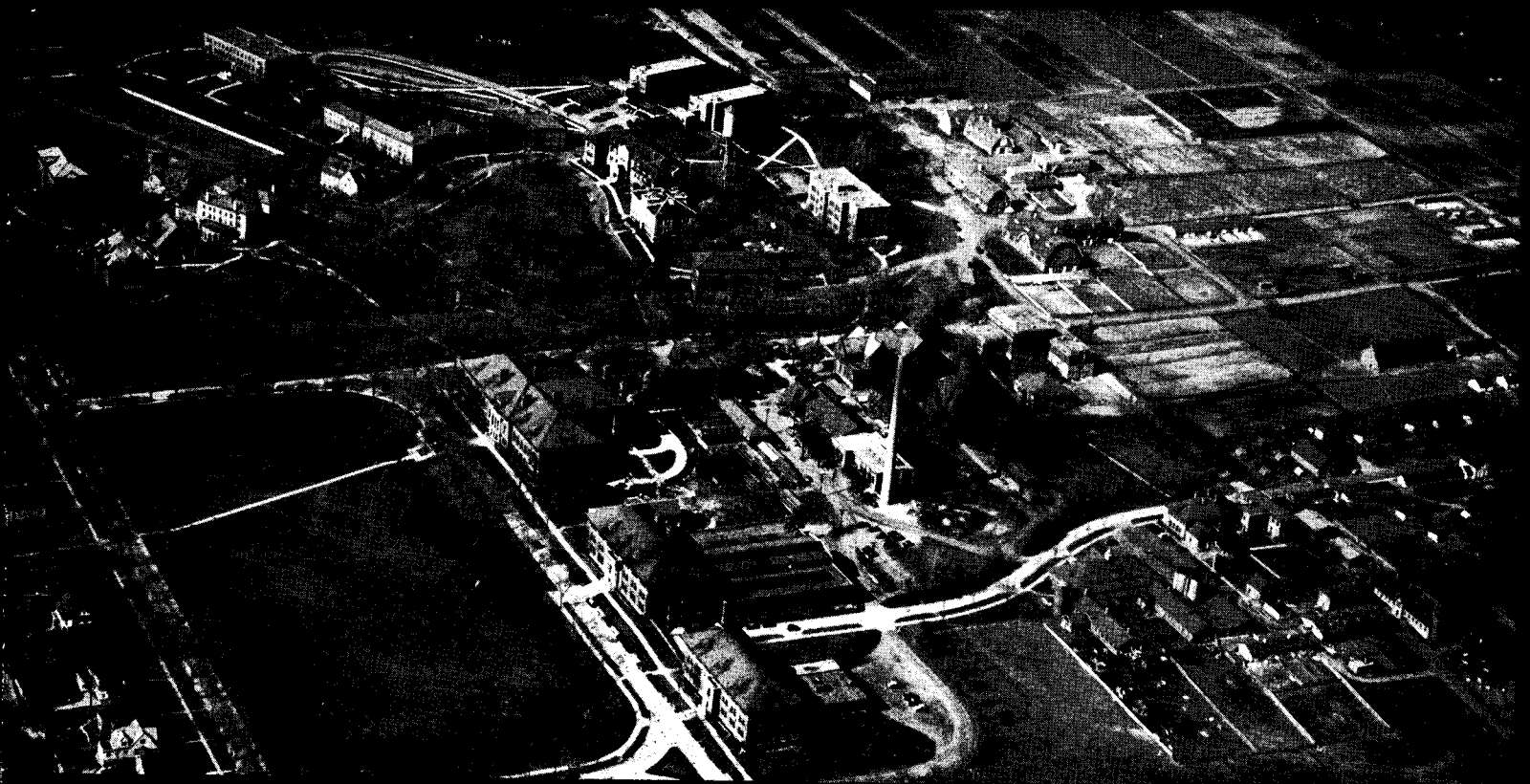
*f. l. Merrill**





THE MINNESOTAN

Published for Staff Members of the University of Minnesota



VOLUME I

April 1948

NUMBER 7

APRIL 20 TO MAY 27

The University of Minnesota Calendar of Events

UNIVERSITY THEATRE (Scott Hall Auditorium)

April 26-May 1—8:30 p. m. "Beggar on Horseback," George S. Kaufman and Marc Connelly.

SIGNIFICANT UNIVERSITY BROADCASTS

KUOM April 23—Neva Stevens Journal. 4:45 p. m.
May 1—Broadcast of Twin Cities Institute program. 7:00-7:30 p. m.
May 4—The World We Want. 1:00-1:30 p. m.
May 3, 4, 5, 6—Metropolitan Opera previews. 6:00-7:00 p. m.

MUSICAL EVENTS OF THE MONTH

April 16—Organ Recital. Mabel Zehner. Northrop Auditorium. 8:30 p. m.
April 22—Varsity Band Concert. Coffman Memorial Union. 12:00 noon.
April 23—Warren Berryman Organ Recital. Northrop Auditorium. 8:30 p. m.
April 29—University Concert Band. Northrop Auditorium. 8:15 p. m.
April 30-May 1—Music contest finals of Minneapolis Public School League. Northrop Auditorium.
May 2—University Chorus and string orchestra—Henry Purcell's "Dido and Aeneas" (in concert version). James Aliferis, conducting. Northrop Auditorium. 4:30 p. m.
May 6—"Der Rosenkavalier." Northrop Auditorium. 8 p. m.
May 7—"Don Giovanni." Northrop Auditorium. 8:00 p. m.
May 8-11—"Il Trovatore." 1:30 p. m. matinee. "Tosca." 8:00 p. m. Northrop Auditorium.
May 18-21—Bach Festival.
May 18—Bach Society Chorus. Kyrie and Gloria from the "Mass in B-Minor." Northrop Auditorium. 8:30 p. m.
May 19—Mrs. Thelma E. Hunter and Eva Knardahl—"Bach Double Piano Concerto." Northrop Auditorium. Prof. Arthur Jennings—Bach Organ Recital. 8:30 p. m.
May 21—Balance of "B-Minor Mass." Northrop Auditorium 8:30 p. m.

FOREIGN FILM SERIES (Northrop Auditorium) 4:00 and 8:00 p. m.

April 26—"The Well-Digger's Daughter." French dialogue with English subtitles.
May 5—"Brothers Karamazov." German dialogue with English subtitles.
May 12—"The Great Glinka." Russian dialogue with English subtitles.

The Minnesotan is published during the academic year by the Department of University Relations, University of Minnesota. Copies are mailed free of charge to University staff members. Subscription rates for those not on the staff are \$2.00 a year, 25c an individual copy.

COPIES ARE ON SALE AT THE UNION BOOK STORE

Photographs throughout this issue of The Minnesotan were taken by the University Photographic Laboratory.

EXHIBITIONS

(University Gallery, Northrop Auditorium)

April 1-25—Water Colors by Cleveland Artists.
April 22-May 13—Rouault, the Great Print Maker.
May 3-May 22—Printed Fabrics Competition.
April 29-May 26—14th Annual Student Show.
May 17-June 7—Integrated Building.

UNIVERSITY PRESS PUBLICATION DATES

May 15—"The Agrarian Revolt in Western Canada." Paul F. Sharp.

CONVOCATIONS

(Northrop Auditorium, 11:00 a. m.)

April 2—Martin Hall, educator, lecturer and author. "Europe's Youth Rebuilds the Continent."
April 29—Charles Phelps Taft, lawyer and statesman. Education Week Convocation. "Religion and Education."
May 6—Herbert Graf, Staff director, Metropolitan Grand Opera. "Opera in Production."
Special Notice: This convocation will be held in

SCOTT HALL AUDITORIUM.

May 13—Cap and Gown Day. Address by Dean Everett Fraser.

ATHLETIC EVENTS

(Baseball Games at Home)

April 16-17—Luther College of Decorah.
April 30-May 1—University of Wisconsin.
May 11-12—Iowa State Teachers' College.
May 14-15—Northwestern University.

SPECIAL EVENTS

April 29—Education Day.
May 8—Mothers' Day.
April 20—Observatory (on the roof of the Physics Building) open to the public. 8:00 p. m.
May 14, 28—Observatory (on the roof of the Physics Building) open to the public. 8:30 p. m.
May 8—3:30 p. m., May 10-11—8:30 p. m.—"Henri III et sa Cour". Alexandre Dumas pere. Scott Hall Auditorium.

SPECIAL LECTURES

May 14—"Changing Growth and Distribution of Population" Dr. Lowry Nelson. The first lecture of the Annual Social Science Series.)
May 21—"Population Pressures and Food: Will the World Starve?" Dr. O. B. Jesness. (The second lecture of the Annual Social Science Series.)
May 27—"Population Pressures and Politics" Dr. Herbert Heaton (The last lecture of the annual Social Science Series.)

CONVERTED TO RESEARCH

STABLE BECOMES *Branch of Graduate School*

IMAGINE working at a place where you can look out of the windows and see wooded acres, rolling hills, a bridle path and even a trout stream. University staff members at the Hormel Institute, located just on the outskirts of Austin, Minnesota do that every day. And still they get things done!

The Hormel Institute, in case you aren't sure, is a research branch of the University's Graduate School. It was established in 1942, with the support of the Hormel Foundation, to conduct biological and chemical research. The laboratories and equipment and much of the costs are furnished by the Hormel fund.

The Hormel Institute laboratories are located right on the huge Hormel estate, in the building used formerly as a stables. As you might imagine, this is no ordinary stables, but a



Doing some of the continual checking and measuring so necessary to research are Arlene Larson, Clarence L. Silbernack and Norman R. Underdahl.

one-story, rambling building far bigger than most of our homes.

Until last summer only one wing, approximately a third, of the building was used for laboratories and research work. The Hormel horses still lived in the rest. Horses eat hay, however, and hay attracts micro-organisms. These tiny bits of matter ruined many an experiment before the horses were moved out.



Examining a day old pig for evidence of diseases are Lawrence E. Carpenter and George A. Young.

THE unused portion of the building is now being remodeled, and when it is finished, the staff will have more laboratory space, a new library and a new general office.

The new laboratory facilities will be used largely for research projects in the fields of animal nutrition and veterinary medicine. In addition to general laboratory bench space, there will be new units for the hous-

ing of animals used in nutrition studies, for the isolation of animals used in disease studies and for animal autopsy.

ALL of the projects underway at the Hormel Institute are under the general supervision of director H. O. Halverson, professor of Bacteriology, and Walter O. Lundberg, resident director and professor of physiological chemistry.

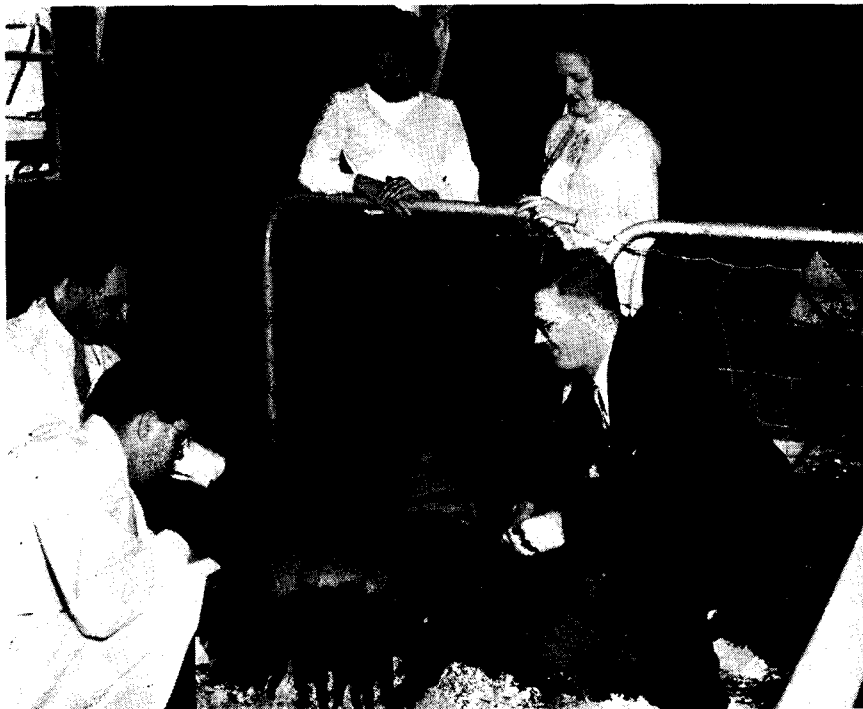
The Institute is governed by a board of directors, with Theodore C. Blegen, dean of the Graduate School, as chairman. Other members of the board are C. H. Bailey, dean and director of the College of Agriculture; F. C. Mann, professor of experimental medicine, Mayo Foundation; Walter M. Lauer, professor of organic chemistry; and James Hunting of the board of trustees of the Hormel foundation.



Workers in the fats research laboratory are J. R. Chipault, John M. Hawkins, Merrill J. Hendrickson, Ira MacDonald, Dagmar Devik and Christense Nickell.

Research at the Hormel Institute usually falls into one of four major groupings — veterinary medicine,

chemistry, bacteriology or nutrition. Most of the studies now being made are concerned with the development and utilization of agricultural resources and products.



Gathered around a sow and her litter are Lawrence E. Carpenter, George A. Young, Deloris Olson, Juanita Neuman and Walter O. Lundberg.

THE veterinary medicine research is very important, both to farmers and those who like pork. Painstaking studies are being made of "baby pig disease," an ailment which may kill as many as 15 to 20 per cent of litters within several days after birth. The high death rate causes a large financial loss for farmers and less bacon for the rest of us. Now, after a great deal of work, George A. Young, Jr. professor of veterinary medicine, and Norman R. Underdahl, research assistant, think they almost have the disease cornered. They believe they are on the verge of identifying the killer, a necessary step before they can prevent the causes and cure the deadly sickness.

Most of the work in chemistry has been done with fats. Rancidity, a

Continued on page 15

The Minnesotan

New Varieties for the Old

NAMES PLAY A BIG PART IN FRUIT POPULARITY



HORTICULTURISTS on the St. Paul campus are convinced that there's a lot in a name.

In 1943, they christened an apple and released it to the vagaries of public taste. Today, the Fireside apple is being adopted by fruit growers faster than any other Minnesota apple variety, although horticulturists still are not sure if it is necessarily better.

"The name unquestionably helped," commented W. H. Alderman, chief of the Division of Horticulture and superintendent of the University Fruit Breeding Experiment Station at Excelsior. "Sitting around a fireplace munching apples is a nice idea."

And that's how the Fireside apple was named—a late winter apple of fine eating quality, its dull fiery red color over yellow reminded horticulturists of fireplace flames.

The theory behind this exercise of imagination is that it is easier for a new variety to be accepted if it has a suitable name. The new fruit is always given a name which is appropriate to its appearance and taste.

New varieties also are named to capitalize on the reputations of well-known oldtimers—the Redwell and

the Prairie Spy, for instance. The Redwell apple, introduced in 1946, looks like a highly colored red Wealthy apple. Hence its name, "red" and then "well" from Wealthy. The Prairie Spy is very similar in taste and other respects to the Northern Spy.

"Because of this similarity," said Mr. Alderman, "we wanted to capitalize on the reputation of the Northern Spy."

As you might imagine, too, the easiest part of fruit breeding is naming the varieties. This also is the quickest part.

IT takes about 30 years from the time the first cross is made to introduce a new variety of apple. In the case of the strawberry only 12 years are needed. During those years, a great many different processes are gone through by the men who are perfecting these new fruits for the benefit of Minnesota growers, as well as those of us who are merely eaters.

Most of the work is done at the Excelsior Fruit Breeding Experiment Station, largest of its kind in America. This 230 acre station is crowded with dozens of orchards and small

Looking over a fruit tree on the St. Paul campus are Wilfrid G. Brierley, William H. Alderman, K. W. Hanson, Theodore S. Weir and Arthur N. Wilcox.

fruit plantings containing new varieties of fruit in various stages of testing and development.

Fruit trees in large tubs form a portable breeding orchard of more than 300 varieties, from which cross-bred seeds are produced by hand pollination. These seeds are planted and produce many thousands of seedling trees, no two of which are alike.

WHEN they are grown to fruiting age, these trees are planted in seedling orchards and undergo a severe culling to select out a few of the best for further testing.

Testing the fruits against a high standard of quality is a simple matter of tasting them. But tasting several hundred plums once a week, for instance, becomes quite tiresome, even if you like plums. The fruit breeder goes through this ordeal

Continued on page 11



VACATION time is almost here again, and no matter how much we like our jobs and the work we do, University staff members look forward to an annual period of relaxation—fishing, traveling or just resting.

At least once each year, and most conveniently in the spring, Civil Service supervisors and department heads are asked to confer with every person in the department, informing everyone just how much vacation he has coming. At this time the staff member's preference for time can also be determined.

The actual time of each vacation is settled so as to best please everyone. It's necessary, however, for the department head to schedule vacations so that the work of the department will not be disrupted. If there is a conflict between times preferred, seniority within the department will help determine who gets first choice.

Specific procedures for applying for vacation leave are worked out by each department. In departments where a number of staff members are involved, it's a good idea to post everyone's vacation schedule in a conspicuous place.

figuring your vacation

FULL TIME Civil Service employees, skilled trades at prevailing rates excepted, are eligible for vacation leave after they complete six months of

full time service. While you do accumulate vacation during these first six months, you may not take paid vacation leave until the end of this period.

There are three ways of figuring this vacation time: (1) One work day of vacation is allowed for each month of service by staff members who regularly work on a five day, 40 hour week basis. (2) Provision is made for one and one-quarter work days of vacation a working month for employees who regularly work on a five and one-half day week basis. (3) Certain supervisory and professional classes, designated by the Civil Service Committee, are allowed one and one-half work days for each month of service. In other words, they receive an additional one-half day vacation leave instead of overtime.

vacation time not taken

Unused vacation leave earned after July 1, 1947 may be accumulated up to a total of 24 days when earned at the rate of one work day a month, 30 days when earned at the rate of one and one-quarter work days a month and 36 days at the rate of one and one-half work days a month. Any unused vacation leave earned between July 1, 1946, and July 1, 1947, must be taken before this coming July 1.

When staff members are transferred from one University department to another, they keep their unused vacation time unless they do not work for a period between one job and the other.

termination leave

WHEN employees leave the University, they are entitled to pay for all the unused vacation time they have coming, except when they leave before completing their probationary period.

In cases where staff members receive board as part of their pay, they are entitled to the cash equivalent of this board during authorized vacations which are at least one week long.

Vacation time is figured at the rate of one day for each working day absent. Vacations of five or more working days are charged at the rate of five working days a calendar week.

Holidays celebrated by the University, if they occur on what would ordinarily be working days, are not counted against vacation time if they occur during vacation. For instance, someone with five vacation days coming who took time off the week of July 4 would have one day off the next week to complete his five vacation days.



Twenty-one Staff Members Get Spring Regents' Scholarships

SPRING quarter is here again, and with it 21 Regents' Scholarships winners. That many scholarships have been awarded to University Civil Service staff members who wished to take as many as six University credits in fields of study related to their jobs.

These scholarships are given at the beginning of each quarter to a total of 60 staff members a year under a plan set up by the Board of Regents in 1939.

All you must do to apply is fill in a sheet which may be picked up at the Civil Service Personnel Office, 17 Administration Building, Minneapolis campus. Winners are not required to pay tuition fees or make up time away from work.

Spring quarter's winners are: Phyllis Fresonke, clerk-typist, Dean of Students' Office; Vera Makiverta, senior librarian, Library; Christine A. Mathis, senior clerk-typist, Library.

Mary L. Trettel, secretary, Bureau of Veterans' Affairs; Angeline Lekas, secretary, Student Activities Bureau; John D. Parrish, assistant scientist, Mines Experiment Station; Rita J. Archambault, secretary, Coffman Union; Cherry Tanaka, secretary, Student Housing; Arlette Soderberg, librarian, Law; Sally B. Slice, secretary, English.

Lois R. Philippy, laboratory technologist, Pharmacology; Peggy T. Murphy, clerk, Correspondence Study; Lorraine Kessler, secretary,

Spring quarter winners include John D. Parrish, Eleanor Semanko, Sally B. Slice, Peggy T. Murphy, Lucile M. Engberg, Rita Archambault and Lorraine E. Evenson, seated. Standing are Arlette Soderberg, Martha J. Kragness, Vera Makiverta, Anna L. Atkison, Jean W. Foster, Lois R. Philippy, Lorraine Kessler and Donald E. Swenson.

Psychiatry and Neurology; Jean W. Foster, clerk, Admissions and Records; Lorraine E. Evenson, laboratory technologist, Psychiatry; Lucile M. Engberg, clerk-stenographer, Audio-Visual Education.

Athena Callas, clerk-stenographer, Bacteriology; Donald E. Swenson, equipment operator, Audio-Visual Education; Anna L. Atkison, clerk, Bureau of Veterans' Affairs; Martha J. Kragness, principal clerk, Admissions and Records; Eleanore Semanko, clerk-typist, Student Counseling Bureau.

ACCIDENTS AND YOU

University Prepared to Take Care of Emergencies on Campus

ACCIDENTS may happen to anyone, can happen anywhere. So for your own sake, as well as for those who work with you, learn these few important things to do in case of an injury on campus.

If a staff member sprains a wrist, for example, he should be taken to West 212 University Hospitals on the Minneapolis campus. On the St. Paul campus, the staff member first may be sent to the Health Service there and then to West 212, if necessary. This can be done only from September 15 to April 1, during the period when that Health Service is open.

Suppose that a physician is needed on the scene of an accident. You may call a local physician or the Health Service. University switchboard operators know how to handle your call and will refer you to a doctor on duty.

An accident even may be bad enough so that you need an ambulance. In that case, call Minneapolis General Hospital or St. Paul Ancker Hospital.

HERE is a list of things to do in all cases where a staff member is sent to University Hospitals. Keep this information and necessary telephone numbers handy in your office, in case of an emergency.

(1) Notify the hospital that the injured staff member is coming. (2) Telephone the hospital if ambulance service is used. (3) Send or mail a memorandum to the hospital giving the staff member's name, department, date of injury and mention if the injury was sustained during the course of employment. (4) It is important

to jot down all the factors contributing to the accident and get names of witnesses. (5) Submit an accident report to the Comptroller's Office.

Telephone numbers to call are:

*University Hospitals MAin 8551
Health Service (Minneapolis campus) MAin 8551*

Health Service (St. Paul campus) NEstor 4616

Minneapolis General Hospital Atlantic 1178

St. Paul Ancker Hospital CEDar 7341

Office of the Comptroller MAin 8177, Ext. 846

The University has a definite responsibility to report at once every accident under rules of the Workmen's Compensation Act and the Industrial Commission, the agency which administers the act. Every staff member is entitled to benefits under the law, but also must report any injury, regardless of how minor it may be.

THE Industrial Commission forms which must be filled out in case of accident can be secured from the Comptroller's Office.

Form C-2, Report of Accident to State Employee, is the first sheet which must be filled out in quadruplicate. Form C-16, Physician's Report, and a Verified Claim of Expense, Form C-58, must also be completed. It is a responsibility of each department head to see that they are filled out properly.

The pay roll procedure during the time a staff member is away from

work should be reported to the Comptroller's Office.

People on any payroll other than regular who are not eligible for vacation or sick leave do not need to have a leave of absence form filed for them. Their names on the pay roll will be notification of their reinstatement.

FOR those on the regular payroll and those who, by length of service, have become eligible for vacation and sick leave, absences as the result of accidents become a little more complicated.

To begin with, the first seven days of absence caused by an accident are not compensated for by the Industrial Commission unless that absence is longer than a month. In that case, retroactive payment is made for those seven days if the injured person has not used sick leave or vacation time to stay on the pay roll for those first seven days.

IF the staff member has enough sick and vacation leave coming he may elect to stay on the payroll for the entire period of his absence, or as long as his time holds out, instead of getting compensation from the Industrial Commission. If this happens, the injured person still can ask for payment by the Commission of all other expenses incurred in connection with treatment of the injury.

Department heads should remember, however, that when it does become necessary to remove anyone from the regular pay roll after his leaves are used up, a leave of absence form should be filed at once.

Staff Members of the Month . . .

Guggenheim fellowships honor research and creative work of four



Pleased about their fellowships are Richard T. Arnold, Eric R. Bentley, Saul Bellow and David H. Willson.

IN April, The Minnesotan honors not one, but four staff members. Recently awarded Guggenheim Foundation fellowships were Saul Bellow, assistant professor of English; Eric R. Bentley, associate professor of English; David H. Willson, professor of history; and Richard T. Arnold, professor of organic chemistry.

The fellowships are given annually to assist research in any field of knowledge and creative work in any of the fine arts. They are awarded to men and women who have demonstrated unusual capacity for productive scholarship or unusual creative ability.

The four winners' plans are

varied, of course. Mr. Bellow, author of two well-known books, "The Dangling Man" and "The Victim," will write another novel under the fellowship.

This is the second Guggenheim fellowship awarded Mr. Willson for his studies of King James. He is also the author of "The Parliamentary Diary of Robert Bowyer, 1606-1607" and "The Privy Councillors in the House of Commons, 1604-1629."

The preparation of a book on the nature of dramatic art will be Mr. Bentley's project. He has already written "A Century of Hero-Worship," "The Playwright as Thinker," "Bernard Shaw" and articles in both

foreign and United States publications.

Mr. Arnold's award is for research in stereochemistry. He expects to spend some time working in Switzerland, and then plans to do research on radioactive carbon at Berkeley, California.

The University is proud indeed of these staff members and the recognition they have gained for their work through winning the fellowships.

Staff May Suggest

MEDAL WINNERS

A CHANCE to name candidates for two special honors recently authorized by the Board of Regents is being given staff members.

Now you may help choose the people who most deserve "The Builder of the Name" and the "Outstanding Achievement" Medals. By sending in the name and a description of why you think that person should receive either award, your recommendation will be considered by the Committee on University Medals.

The "Builder of the Name" Medal is the one awarded Regent Fred B. Snyder at the Charter Day dinner honoring his services to the University. From time to time, this medal will be awarded to others who have assisted materially in the building of the University.

The second medal is for "Outstanding Achievement." It will be awarded to former students of the University who have achieved signal success in their chosen fields.

Malcolm M. Willey, vice-president for Academic Administration, is chairman of the Committee on University Medals. Nominations for awards should be sent to his office through your department head.

Lost in a Library?

DIVISION TRAINS PROFESSIONAL WORKERS

LIBRARIANS are pretty clever people, you'll agree. They can ferret out the book you're looking for with no more information than "It has a green cover and the author's name is Lewis something."

Questions about where to find the number of people living in Duluth, the names of Minnesota legislators and even the history of national holidays—are all answered without noticeable shock by our librarians, who gets hundreds of such queries hurled at them during the course of a week.

Without even taking into consideration these "extra" tasks, the librarian's job is a difficult and complicated one. He or she must be able to catalog books, compile references, guide readers to suitable books for their age and interest group and even set up a complete library administration system.

IT was to prepare students for these many, often extremely technical jobs which a librarian must do expertly that the Division of Library Instruction was set up just 20 years ago. Since that time, the curriculum has expanded considerably in order to qualify students to manage our increasingly complex modern libraries.

The division now performs a statewide service similar to that of the College of Education in training teachers. About 40 students a year are graduated, and most of them find jobs in Minnesota.

"We could fill three times as many

positions as we have graduates to recommend," says Errett W. McDiar-mid, University librarian and director of the Division of Library Instruction.

Actually, students take their pick of the jobs offered, as requests for graduates come in from all over the country. The division has no formal employment bureau, but inquiries from prospective employers are posted in the Main Library building headquarters of the division.

Class room, study rooms, faculty and administrative offices of the Division of Library Instruction are all on the ground floor of the Library. Over 6,000 books in the fields covered by the division's instructional program are kept in a special library for use of the students. In addition, of course, they have access to the University Library, which now contains more than 1,000,000 volumes.

Library methods and practices



Phyllis Bearman looks on while Ethel McIntyre chats with several students gathered around her desk.

may be observed not only at the University Library, but also in the public libraries, school and special libraries of Minneapolis and St. Paul.

THE University Division of Library Instruction originally came into being as an outgrowth of a great need for training people to be competent library workers. Probably the earliest step in this direction was taken by President William Watts Folwell, who was also University librarian. He began a series of lectures on the use of the library. This expanded into a course called "Use of Books and Libraries" in 1922. It wasn't until 1928, though, that the present Division of Library Instruction was established.

Today, the division attempts to prepare students for four types of library work—college, school, hospital and public libraries. Some courses also are offered for those who wish to train themselves as special librarians.

STUDENTS have a choice of degrees from the division, too. They may choose a program leading to the degree of bachelor of science in library science—a five year course of study. A four year program gives students a degree of bachelor of science with a major in library science. Some students wish to combine duties with teaching in either elementary or secondary schools. These may take a program giving a degree of bachelor of science with a minor in library science.

Students studying library science are registered in the College of Science, Literature and the Arts, Education or University College, because the division itself is considered as an instructional unit. Students are admitted and receive degrees from their particular college, not the division.

April 1948



Someone must have told a joke. Morris Hoffman, C. Irene Hayner and Donald E. Strout are shown in the division's own library.

During the past several years, some major changes have been made in the curriculum of the division. Courses have been arranged into three major groups: the library as a social institution—its history, organization and management; library materials—their description and evaluation; library users—their needs and interests. From basic courses in each of these areas, explains Mr. McDiarmid, the student moves on to advanced courses in his specialty.

UNDER its new curriculum, the division draws heavily on other departments of the University. Among courses now accepted for credit in library science are municipal administration, adult education, visual aids and rural social institutions.

Probably the most famous se-

quence in the Division of Library Instruction is the hospital librarianship course. There is no other similar training offered at any college or university which is as complete as this University of Minnesota specialty. The program, incidentally, was first offered on this campus with staff members pioneers in working out most useful courses.

In order to complete specialization in this field, student librarians must take a six weeks internship at the end of the sequence. They do actual library work in approved hospitals.

STAFF members of the division include Donald E. Strout, associate professor; C. Irene Hayner, associate professor; Morris Hoffman, teaching assistant; Ethel McIntyre, junior librarian; Phyllis Bearman, teaching assistant.

Cancer Detection *CLINIC FIRST IN NORTHWEST*



Still smiling after a long day's work are Drs. David V. Sharp, Eugene Rinkey, David State, Lyle A. Tongen, Allan Dixon and David L. Fingerman.

CANCER, the nation's number two killer, has received another uppercot by University of Minnesota medical scientists, in their continuing war against this dreaded disease.

Open after months of preparation is the first Cancer Detection Center in the Northwest, located in a temporary building west of University Hospitals, and operated as a project of our Medical School.

The new Center is a place to which symptomless men and women of Minnesota in the age bracket in which cancer most frequently occurs, 45 and over, may go for a thorough physical examination by specialists.

Chief purpose of the examination, according to Dr. David State, director of the Center, is the detection of early cancer, of forerunners of cancer or of conditions of chronic irritation which might develop into cancer if not treated immediately.

Should examination reveal any indication of cancer or a pre-cancerous

condition, the person examined is informed at once, and a report sent to his personal physician. He will be

advised to seek immediate treatment. Dr. State emphasized that no treatment will be given at the Center.

Payable upon admission to the Center, a \$5 registration fee will be charged. No one, however, will be turned away for lack of funds.

University Civil Service or faculty members, 45 or over, who wish to be examined should write the Cancer Detection Center for an appointment. Be sure to indicate that you work for the University, because you then may be called to fill in broken appointments and perhaps save weeks on the waiting list.



Ilah Doan, Pearl Cohen, Vivian Chinander, Jean Ryan, Lydia Linsley, Carol Raymond, Esther Hanke and Katherine Altman are the women who help keep the Cancer Detection Center operating.

New Varieties

CONTINUED

during August and early September, working his way up and down the rows, record book in hand, tasting fruit after fruit, whether good or bad.

INDIVIDUALS showing promise are propagated by grafting, budding or cutting and planted in small lots in normal orchards or plantations. Four of each variety are planted, and when the horticulturists are convinced that the new type is no improvement over others already developed, it is taken out of the orchard. Discards run as high as 75 to 80 per cent.

Varieties kept on are finally sent to other parts of the state or other experiment stations where their growth behavior can be checked under various conditions. Only when



Looking over apples being stored and tested for their keeping qualities are J. E. Sweeney and Walter Dummer.

these final tests are successful is the fruit released to the public.

On the experiment station is a nursery cellar, a large square build-

ing with an earth floor. The temperature is kept fairly constant and quite low. Growers are sent cuts from here of proven varieties and plants for propagation and increase purposes.

IN the cellar, as everywhere else on the station, each piece, every root, is carefully labeled so that mistakes in the variety simply cannot be made. Guessing games just aren't popular at the Excelsior station. When a grower writes in for cuts of the Prairie Spy apple, for instance, he must get Prairie Spy.

In connection with this almost endless job of tagging, maps are kept of the station showing exactly in which of the 70 plots each variety is planted, so that it can be located at once. Everyone is very aware that



Theodore S. Weir examines the ripe fruit of a cherry tree in the experiment station's greenhouse. If you look closely, you'll see the dark cherries between the leaves.

years of work can be destroyed if the wrong cross is made or if a complete record of each tree or plant is not kept.

Five new varieties tested in this exhaustive, scientific manner will be introduced this summer—an apple, a pear, a plum and two Chinese bush cherries. It is possible that the apple will be nearly as old or perhaps older than some of the men participating in its christening.

Mr. Alderman expects that none of the apples that may come out of new breeding experiments now under way at Excelsior will be named and introduced in his lifetime because of "the slow development that should accompany fruit breeding."

Once accepted and introduced, however, new varieties face still another severe test—that of public reaction. It is this hurdle that brings to bear the creative imaginations of St. Paul campus horticulturists on the naming of a variety.

IN its 41 years, the station has introduced 50 to 60 varieties of apples, pears, plums, grapes, gooseberries and other fruits. Some of the well-known varieties include the Latham raspberry and the Haralson apples, the Red Lake currant, Evermore strawberry, and several plums, including Underwood and Superior.

Staff members of the Division of Horticulture, in addition to Mr. Alderman, who spend a good deal of time on fruit breeding experiments include Theodore S. Weir, associate professor of Horticulture and assistant superintendent of the Excelsior station; Wilfrid G. Brierley, professor of Horticulture; and Arthur N. Wilcox, associate professor of Horticulture.

At the Excelsior Fruit Breeding Experiment Station work Roy Sauter, plot supervisor; Walter Kroen-



A seedling block of apricot trees just beginning to bud gets the attention of Joseph Van Sloun.

ing, foreman; Walter Dummer, experimental plot supervisor; J. E. Sweeney, assistant gardener; Joseph Van Sloun, truck driver; Erwin Schmidt, Alonzo Spoerner and Joseph Kaufhold, farm laborers.



Pollinating the No. 29 Cherry are Roy Sauter and Walter Kroening. The work requires a great deal of skill and care.

Income Taxes Reduced Under New Law

UNIVERSITY staff members "take home" pay will be higher after May 1, in accordance with the Revenue Act of 1948 passed by Congress. The law provides for reduced income tax withholding deductions on salary payments made on or after May 1, 1948. The withholding reduction is due to increased exemptions and decreased rates under the new law.

BECAUSE the Revenue Act is retroactive to January 1, 1948, every wage earner subject to the withholding tax is "overpaid" on Federal Income Tax for the first four months of the year. According to the new law, there is no way for this overdeduction to be refunded until the end of year, when the staff member files his final return.

It is not the period worked that determines when the new withholding rates go into effect, but the date when the wages are paid, so University staff members on the regular payroll will receive their higher paychecks for the first time on May 15 (for the pay period May 1 through the 15). Those on the Mechanics and Miscellaneous payrolls will receive their first larger checks for the pay period April 16 through the 30.

An individual will receive an exemption of \$600 for every per capita exemption to which he is entitled, instead of \$500 as under the old law. This applies to the taxpayer, his wife and each dependent.

Moreover, in Minnesota, a common-law state, a husband and wife may now split their income just as a husband and wife in community-

property states. This will result in a smaller combined tax in some cases.

The important thing to remember is that the whole basis for having withholding tax is to make it easier for individuals by deducting taxes during the year. The amount withheld is not necessarily the amount finally paid because of adjustments made at the time final returns are filed, so there is no need to worry about getting the full amount due you because of the tax reduction.

THE new law provides additional exemptions for staff members where the employee or his wife (or husband) attain the age of 65 by the end of 1948. Under the old law, anyone 65 or over could claim one exemption for himself and one for his wife. Starting with the first payment of wages on or after May 1, the same staff member may claim four exemptions—two for himself and two for his wife, if they are both 65 years of age or over.

If it happens that this man's wife also is blind, he could claim five exemptions because the new law also provides an additional exemption

for the benefit of those who are blind.

All staff members affected by the new exemption for individuals over 65 or for those who are blind must file new Withholding Exemption Certificates with the Payroll Department, 301 Administration Building. The new law doesn't permit the University to increase these special exemptions unless you claim them.

ON April 16, letters were sent to staff members 65 or over, advising them of the new exemption and requesting that the revised Withholding Certificate be filled in and returned to the Payroll office by May 1. If you are affected by the 65 year age exemption and did not receive a letter, you may obtain a certificate at the Payroll Department. Don't forget that to be eligible for this special exemption, your 65th birthday may be any time this year. You may also file if your husband or wife is 65, even if you have not reached that age.

Staff members on the Miscellaneous and Mechanics payrolls who are affected by the age 65 additional exemption in addition should advise their department payroll clerk so that your payroll may be submitted correctly.

It is not necessary for staff people not affected by these special exemptions to file new Withholding Certificates.

So that all staff members may figure their tax reduction correctly, the Payroll Department will send with the first checks issued under the new system a schedule of withholding tax rates.

ORCHIDS TO

The Payroll Department staff for their work in figuring the new withholding tax deductions for everyone at the University.

IT WAS A BIG JOB WELL DONE.

The University Benefits from

GIFTS AND BEQUESTS, GRANTS-IN-AID (1947-48)

Gifts and Bequests

Previously Reported \$106,695.83
This Report \$ 7,050.00

Minnesota Mining & Manufacturing Company: FELLOWSHIP, \$3,000.

The Borden Company Foundation, Inc.: HOME ECONOMICS SCHOLARSHIP FUND, \$1,500.

Hennepin Avenue Methodist Church: COORDINATOR OF RELIGIOUS ACTIVITIES FUND, \$1,500.

Class of 1902: CLASS OF 1902 STUDENT FUND, \$500.

4-H CLUB FUND, \$250: Twin City Seed Company, \$150; Pioneer Hi-Bred Corn Company, \$100.

Radio Corporation of America: SCHOLARSHIP FUND, \$200.

Mr. C. M. Goethe: DIGHT INSTITUTE FUND, \$100.

To the University Theatre: Mrs. L. B. Hessler, 151 Malcolm S.E., Minneapolis: Costumes and other materials; Mrs. David Swenson, 1011-14th Ave. S.E., Minneapolis: Materials.

To the University Library: Honorable Enrico de Nicola, President of the Republic of Italy, Rome, Italy: Autographed copy of new constitution of the Republic of Italy; Honorable Carl O. Wegner, 2334 Central Avenue N.E., Min-

neapolis: 12 copies of 1947 Minnesota Legislative Manual; Mr. Johnston B. Campbell, 1031 W. 13th Ave., Spokane 9, Washington: 6 volumes which contain his decisions and dissents while a member of the Interstate Commerce Commission. Mr. Campbell is a graduate of the Law School; Mr. James L. Hetland, 1427 First National Soo Line Building, Minneapolis: 59 volumes of session laws and statutes; The City Council of the City of Minneapolis, through Mr. Charles Swanson: Volume 71 of the Council Proceedings of the City of Minneapolis.

To the University Archives: Judge Hugo O. Hanft, through Regent Fred B. Snyder: a personally signed copy of his decision in the Second Judicial District on "State of Minnesota on Relation of the University of Minnesota and the Board of Regents of the University of Minnesota versus Ray P. Chase, State Auditor."

Grants-in-Aid

Previously Reported \$916,706.30
This Report

American Cancer Society, Inc., \$40,777: RESEARCH ON THERAPY OF BREAST CANCER, \$11,602; RESEARCH ON MILK AGENT IN MAMMARY CANCER IN MICE, \$10,000; RESEARCH ON MAMMARY TUMOR MILK AGENT IN MICE, \$7,000; RESEARCH ON GENETICS OF HUMAN

BREAST CANCER, \$6,925; RESEARCH ON MAMMARY CANCER IN MICE, \$5,250.

MALIGNANT DISEASE RESEARCH FUND, \$1,035: Mrs. Benjamin Katz, \$1,000; Country Club of Bristol, South Dakota, \$20; Daughters of Union Veterans of the Civil War, Minnesota Department, \$15.

The Tennessee Corporation: TENNESSEE CORPORATION FUNGICIDE FUND, \$500.

VARIETY HEART HOSPITAL FUND, \$38.50: Rainbow Division of the Veterans Auxiliary, \$25; Range Conference of Social Workers, \$13.50.

Austen S. Cargill: FUND FOR SURGICAL RESEARCH, \$1,000.

The Dietene Company: EXPERIMENTAL RESEARCH FUND, \$1,000.

Dr. Bernice Moriarty: FUND FOR SURGICAL RESEARCH, \$1,000.

Mrs. F. B. Atwood (in memory of her daughter, Doris Eileen Atwood): CANCER DETECTION CLINIC, \$500.

Harold S. Kolstad: OWEN H. WAGENSTEEN FUND FOR SURGICAL RESEARCH, \$200.

Barbara Knight, \$20: MALIGNANT DISEASE RESEARCH FUND, \$10; VARIETY HEART HOSPITAL FUND, \$10.

Converted to Research CONTINUED

consideration of every housewife, is being studied.

In cooperation with the Mayo Clinic, studies are being made at Austin to show the relationship between pure fat and diseases in man. In connection with this, it was necessary to discover how the human body uses fats present in food. John M. Hawkins, a senior laboratory

worker in the paint's case, though, the research workers want the reaction to happen more quickly, a distinct advantage to users.

The bacteriological studies being conducted at the Hormel Institute are concerned mainly with the keeping qualities of frozen foods and canned bacon.

In the nutrition division of the

division who are responsible for the work of the Hormel Institute include J. R. Chipault and John Ulrich, research fellows; Ole Devik, Lloyd E. Anderson and Merrill J. Hendrickson, research assistants; Arlene Larson, Clarence L. Silbernack and Mildred F. Stewart, laboratory technologists.

Christense Nickell is a senior lab-



Mildred Stewart prepares media for experiments while Lloyd E. Anderson uses a bacteriological colony counter.



Injecting a guinea pig for use in their study of antibiotics are John Ulrich, Ole Devik and Robert Omata.

technologist, volunteered as guinea pig for this experiment and for several weeks had all of his meals from test tubes. Now the scientists will be able to go ahead on another phase of their research.

The troubles of those who like to paint—whether it's a house, a chair or the walls—are not forgotten, either. Almost the same chemical reaction occurs when paint dries as when rancidity occurs in food. In

Austin studies, the main project now underway is research on swine nutrition. Lawrence E. Carpenter, assistant professor of biochemistry, is finding that traces of copper in the diet of pigs affects the rate of growth and the number of pigs in a litter. When the final results are made public, this information will be another money-saving tip for Minnesota's farmers.

Staff members not previously men-

tioned, Alice Guild is laboratory technical assistant, and Ira MacDonald, junior scientist. Donald O. Shaw is laboratory attendant, LaVerne Mattson, custodial worker. Robert Omata is a fellow of the National Institute of Health and Dagmar Devik an American-Swedish Foundation exchange student.

Karen Heyerdahl is senior clerk-typist and Deloris Olson, clerk-typist.

UNIVERSITY GETS FINAL ROSEMOUNT TITLE

Government turns over 3,325 acres

IN a short ceremony recently, the University acquired final title to 3,325 acres at the Rosemount Research Center. This makes a total of 8,019 acres belonging to the center, which will be devoted to research in a tremendous number of fields—ranging from soil conservation to aeronautics.

Now, in order that staff members may be familiar with the activities going on at the Rosemount Center as well as possibilities for further research projects, a brochure describing the center has been sent to many of you.

In all, over 5,000 booklets have been distributed to staff, government agencies, businessmen and every editor in the state.

It is very important that all staff members be familiar with the Research Center so that the facilities may be utilized to the fullest extent. Also, it is important that research scientists at other universities, government officials, foundation directors, corporation executives and citizens hear about the University's Rosemount Research Center and its potentialities. You can help in this project by sending copies of the brochure to those you think will be interested. If you like, the University Relations Department will mail them, if you supply names and addresses of those to whom copies might be sent.

Frank L. Fuller, superintendent of the center, whose office is at Rosemount, is the person to contact about possibilities for your own utilization of the Center's facilities.



Watching William T. Middlebrook put the official seal of the University to the Rosemount papers are Laurence R. Lunden, Harvey J. Hill and Arthur W. Carlson of the War Assets Administration, President J. L. Morrill, and John Lawless of War Assets.

Library Open to Staff

CARDS YOURS FOR THE ASKING

IF staff members would like to make a stab at reading all the books in the library, the privilege is yours.

In order to take advantage of the University Library, you need do only one of two things. If your name is in the staff address book, merely stop at the circulation desk and ask for a card. The librarian will check your name and department in the address book and issue you one immediately. Then you're free to draw out books under the usual library rules.

If you've joined the staff since the address book was published, get your department head to sign a note saying that you are a University employee and present that letter at the circulation desk. It serves as your passport to library privileges.

Perhaps, after getting the library card, you're not sure how to find a book or to use the card catalogue. Librarians will be glad to tell you this, and even suggest magazines or newspapers you might enjoy reading right in the library.

The President's Page

THE University now has legal title to 8,019 acres of the old Gopher Ordnance Works at Rosemount. There the Rosemount Research Center of the University of Minnesota is taking shape.

Documents for the final transfer of the last half of this property were delivered recently to the Regents of the University by officials of the War Assets Administration. Because of the 100 per cent public benefit allowance which the University received, several conditions were attached to the transfer. One is that, for twenty-five years, the University must use the property as promised in its application. Another condition provides that the Federal Government may repossess the property in case of a national emergency.

The recent transaction brings the area of the Rosemount Research Center to a total of 8,019 acres. This land and the more than 300 buildings have a current market value of over four million dollars. The gift is a magnificent one.

But it is more than this; it is a challenge to the scientists of the University of Minnesota to utilize as fully as possible the land and buildings and personal property (50 typewritten, single-spaced pages of legal sized paper are required to list without description these property items) in existing as well as in boldly conceived new areas of research and teaching.

A brochure describing the Rosemount Research Center of the University is just off the press and has been sent to many staff members. This brochure presents the opportunities available at the



Center to each staff member. Elsewhere in this issue of *The Minnesotan* the brochure is described, and staff members are requested to aid in its distribution to interested outside agencies.

In accepting this remarkable gift on behalf of the Board of Regents, the University expressed its appreciation to the officials of the War Assets Administration and of the Farm Credit Administration who worked with Mr. William T. Middlebrook, Mr. Frank L. Fuller, Professor John D. Akerman, Dean Clyde H. Bailey, Mr. Laurence R. Lunden, Mr. Thomas L. O'Hearn, and other University staff members in effecting the transfer.

May I take this opportunity to express thanks officially to these staff members for their assiduous zeal in successfully completing the long hours of negotiation and planning which were involved.

f. L. Merrill x





THE MINNESOTAN

Published for Staff Members of the University of Minnesota



VOLUME I

May 1948

NUMBER 8

JUNE 15 TO AUGUST 20

The University of Minnesota Calendar of Events

UNIVERSITY THEATRE (Scott Hall Auditorium)

June 16-19—8:30 p. m., June 18—3:00 p. m., "Macbeth," Shakespeare.
June 23-26—8:30 p. m., June 25—3:00 p. m., "Beggar on Horseback," Kaufman and Connelly.
July 14-17—8:30 p. m., July 16—3:00 p. m., "What Every Woman Knows," J. M. Barrie.
August 19-21—8:30 p. m., August 20—3:00 p. m., Original Play by Bill Davidson.

CONVOCATIONS (Northrop Auditorium, 11:00 a. m.)

*June 17—Kurt Von Schuschnigg, former Chancellor of Austria. "Problems of Central Europe."
*June 24—Alice Marble, tennis champion. "The Will to Win."
*July 8—Earl Spicer, baritone. "English and American Ballads."
July 15—Joe Fisher—movies. "Around the World with Joe Fisher."

EXHIBITIONS

(University Gallery, Northrop Auditorium)

June 1-June 26—100 Drawings Exhibition of Museum of Modern Art.
June 3-24—Paintings of Ben Shahn, American Artist.
June 15-July 15—Better Homes Designs.
July 15-August 25—Young Americans.
July 19-August 16—A Mural in the Making.

ATHLETIC EVENTS

June 18-19—National Collegiate trackmeet. Stadium.

FOREIGN FILM SERIES

(Northrop Auditorium, 8:15 p. m.)

June 15—"Green for Danger." British film.
June 22—"The Raider." British film.
June 29—"L' Atalante." French film with English subtitles.
July 6—"The Well-Digger's Daughter." French film with English subtitles.
July 20—"Essanay Comedies," featuring Charlie Chaplin.

JUNE UNIVERSITY PRESS PUBLICATIONS

"Forms of Modern Fiction."—William Van O'Connor, Editor.
"The Press and the Constitution, 1931-1947." J. Edward Gerald.
"The Agrarian Revolt in Western Canada." Paul F. Sharp.
"Local Labor Market Research; A Case Study." Dale Yoder, Donald G. Paterson, Herbert Heneman, et al.

SPECIAL LECTURES

June 16-17—Museum of Natural History. "Cheating Cheaters," James Kater Thompson, magician. 8:15 p. m.
July 1—Museum of Natural History. "Modern Poetry in the Modern World," Stephen Spender. 3:00 p. m.
July 8—Murphy Auditorium. "American Theatre-20th Century," C. R. Kase. 3:00 p. m.
July 14—Museum of Natural History. Elie Siegmeister, composer. 8:15 p. m.

SPECIAL EVENTS

June 18—Summer Session orchestra, Gunnar Knudsen, violinist. Northrop Auditorium. 8:15 p. m.
June 21—Budapest String Quartet. Scott Hall. 8:15 p. m.
June 23—Latin-American Concert, Samuel Marti, violinist and Gunnhild Nillssen, pianist. Museum of Natural History. 8:15 p. m.
June 25—Summer session orchestra, John Gurney, bass baritone, soloist. Northrop Auditorium. 8:15 p. m.
June 28—Budapest String Quartet. Scott Hall. 8:15 p. m.
June 30—Chamber Opera. "The Maid Becomes Mistress." Northrop Auditorium. 8:15 p. m.
July 5—Budapest String Quartet. Scott Hall. 8:15 p. m.
July 7—Serafim Strelkoff, Russian Baritone. "Around the World for a Song." Museum of Natural History. 8:15 p. m.
July 9—Summer session orchestra. Leonard Eisner, pianist. Northrop Auditorium. 8:15 p. m.
July 12—"This is South America," Joe Fisher. Northrop Auditorium. 8:15 p. m.
July 13—"Seething India," Joe Fisher. Northrop Auditorium. 8:15 p. m.
July 14—"America's Western Wonder," Joe Fisher. Murphy Auditorium. 3:00 p. m.
July 16—Budapest String Quartet, Paul Oberg, soloist. Northrop Auditorium. 8:15 p. m.
July 21—University chorus. Paul J. Christiansen, conductor. Northrop Auditorium. 8:15 p. m.
July 22—Commencement. William S. Carlson, President of the University of Delaware. Northrop Auditorium. 8:00 p. m.

SIGNIFICANT UNIVERSITY BROADCASTS

KUOM. Summer Drama Festival.
June 12—"House of Seven Gables." 7:00-8:00 p. m.
June 19—"The Big Money." 7:00-8:00 p. m.
July 3—"Storm." 7:00-8:00 p. m.
July 10—"The Victim." 7:00-8:00 p. m.
July 17—"Studs Lonigan." 7:00-8:00 p. m.
July 24—"The Folks." 7:00-8:00 p. m.
7:00-7:15 p. m., Earl G. Latham Reports. Every Friday.
7:00-7:15 p. m., American Folk Ballads. Every Monday.
* Programs also broadcast over KUOM.

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COPIES ARE ON SALE AT THE UNION BOOK STORE

Photographs throughout this issue of The Minnesotan were taken by the University Photographic Laboratory.

MORE THAN TRADITION

'MINNESOTA PLAN' makes top-ranking Law School

THE University of Minnesota Law School is more than a place to learn the proper use of "whereas" and "party of the first part."

It is even more than a place where embryonic lawyers are taught how best to safeguard the interests of their clients.

Our Law School today, largely as the result of 28 years of leadership by Dean Everett Fraser, is a professional training ground for lawyers who are taught to think of their functions in society in far broader terms.

The students of the Law School are, upon graduation, qualified to improve the administration of the



Horace E. Read, Henry L. McClintock, Stefan A. Riesenfeld and William B. Lockhart sit talking in one of the four large Law School classrooms.

law and also to carry on public administration and provide public lead-

ership—all as a result of courses foreign to the tradition-bound curricula of most law schools.

Permeating this entire program of education are the principles and personal integrity which every student carries with him from the Law School. Actually, this attitude is almost a way of life—one which is vital for a lawyer if he is to maintain the high standards of public leadership expected of him.

This entire training, as you might imagine, has been unique at the University. Called the "Minnesota Plan," it was started here by Dean Fraser, who believed that law schools were falling short in their teachings and therefore in their responsibilities. Since then, the Minnesota Plan



At the door of the dean's office, appropriately enough, stand Maynard E. Pirsig and Everett Fraser.

has been copied in the curricula of more and more progressive law colleges.

BRIEFLY, the mechanics of the plan are to add an extra year to the professional training of the student, making law a four-year course instead of a three-year program as at most other places. Pre-law is a two instead of a three-year period.

"It's a question of relative values," explains Dean Fraser. "We wanted to be able to cover new fields of law for which there wasn't time under the three-year plan.

Some of these subjects include labor law and labor relations, taxation and government regulation of business.

Also, the Dean stresses, the Minnesota Plan makes it possible to do two things which hadn't been done before in any law school. The students are able, in class, to work at improving the law and its administration by assignments such as re-writing and improving statutes.



Millicent Purdy, secretary to the dean, looks over some correspondence with clerk-stenographer Barbara Hallinan.

"We recognized, too," he says, "the fact that lawyers pretty well run the government—so we are giving them some training in that direction.

Members of the Law School fac-

ulty, in addition to regular teaching duties, have a sphere of special interest in the law, one to which they have usually contributed some original study, often published in the form of books or in legal periodicals. The Dean, for instance, is an acknowledged authority in the field of property law and his textbooks on the subject are widely used.



Enjoying a break and a smoke on the Law School steps are Henry Rottschaefer, William E. Mussman and Stanley V. Kinyon.

MAYNARD E. Pirsig, who will succeed Dean Fraser upon his retirement, just last year published class notes on judicial administration—the first course of its kind ever established—and the resulting textbook has already been adopted by ten law schools.

Study, research and teaching are still only part of the over-all job of Law School staff members. They play a large role in yet another field. Staff are again and again being called upon for advice by practicing lawyers. Faculty members work in

Continued on page 13

The Minnesotan



you, and the cost-of-living index

JULY 1 brings the Civil Service cost-of living pay increases—salary adjustments looked forward to by staff members.

What is this cost-of-living salary plan? How does it work?

Every July 1, the salary ranges for all University Civil Service classes of work are reviewed for the effect of changes in the cost-of-living during the previous year. The guide for determining how much the change shall be is the U. S. Government Department of Labor cost-of-living index (technically called the Consumers' Price Index for Moderate-Income Families in Minneapolis). The January 1 reading of this index determines the changes to be made in salaries on the following July 1, but the changes stay in effect from July until the next July 1.

For every nine point increase or decrease in this cost-of-living index, your salary is adjusted one salary "step." (You will recall that your salary range is divided up into steps of five, six, eight or more dollars.)

During the past year, the cost-of-living index has gone up more than eighteen points as of January 1. So Civil Service staff members this year get two salary step increases for cost-of-living on July 1 of this year. These salaries will remain in effect until July 1, 1949.

For example, if you are in a class with a salary range of \$130-\$155 this year, you will receive two \$5 salary steps increase (\$10 total) for cost-of-living. In addition, of course, if you were hired before January 1 this year and are not at the maximum of \$155, you are eligible for another salary step increase for length of service and merit which will give you a total of three step increases, or \$15.

The cost-of-living salary plan is the same as that adopted by the Legislature for State Civil Service employees in 1945 and again in 1947. The Legislature designed the plan to keep purchasing power of all employees on a fairly even keel as prices changed.

University has base salary plan

Our pay plan provides a base salary range for every kind of work in the University Civil Service. This is the "floor" for wages—the minimum the Legislature thinks should be paid even if the cost-of-living goes way down. You can find the base salary range for your classification by looking at a copy of the Civil Service Plan, available in all departments and in the office of Civil Service Personnel.

The base salary ranges are to apply only when the Labor Depart-

ment's cost-of-living index goes below 100. It now stands at 166.2 and hasn't been below 100 since late in the 1930's. As a matter of fact, the Labor Department considers the period 1935-39 as its base in figuring out the cost-of-living index. The index averaged 100 for those years.

Above the base salaries, our ranges are increased (by the size of the increment step of the range) every year that the cost-of-living index rises above the 100 mark more than nine points. For employees in the nine lowest pay ranges a jump of two steps is made when the cost-of-living index first goes over 100. After that, for each nine point increase, another salary step is added.

Employees being paid on higher salary ranges get only one step increase when the cost-of-living index goes over 100, instead of the two. Above that point, they get the same number of steps increase, but the increases are a smaller proportion of base salaries.

If the index goes down by next January 1, our salary ranges will not go down until July 1. If the index keeps on falling after that, our salary ranges will not fall as fast because they do not go into effect for six months after the January 1 reading, and remain in effect for a year after July 1. In other words, our salaries have gone up more slowly than the cost-of-living has. If the cost-of-living falls, our salaries should fall more slowly.

Academic Dress Parade . . .

Caps and Gowns, Colors, Have Significance

THIS is the time of year when caps and gowns often are seen on campus. More than likely, you're interested in knowing what these traditional costumes mean.

No one is sure exactly how today's academic gown originated, but in medieval times it was a common type of clothing. The clergy kept a form of the hooded gown, and some religious orders, especially in Europe, still wear the costume.

Today's cap and gown in this country is the result of a trend developed in American schools in the 1880's, probably copying English universities which had their individual costumes.

American colleges adopted standard specifications for caps, gowns and hoods in about 1893. In 1902, the Intercollegiate Bureau of Academic Costume, which maintains a complete register of college colors and insignia, was established.

EVERYONE with a degree, whether a Bachelor's, a Master's, or a Doctor's, may wear the black academic gown.

A long pointed sleeve indicates a Bachelor's degree, while a long closed sleeve with a slit near the upper part of the arm designates a Master's degree. The round open sleeve marks a Doctor's degree.

Hoods, which are omitted by seniors who are candidates for degrees, are worn by graduates. The lining of the hood has a maroon chevron on an old gold ground for all University of Minnesota graduates. Staff members who hold degrees from other colleges and Universities may wear the colors of their own alma mater. When the President or other faculty

members officially represent the University on other campuses, however, they may wear the colors of the University.

The velvet edging on hoods is the color which stands for the field of study of the gown's wearer—it may be dark blue for philosophy, white for arts and letters or gold-yellow for science.

The Doctor's costume also has velvet trimming on the rest of the gown, including crossbars on the sleeve.

bindery foreman; and Axel Hansen, bookbinder—all retiring in June.

The trimming may be either black or matching the color of the hood edging.

Caps, or mortarboards, too have significance. The President of the University is the only one who may wear a velvet cap and a gold tassel.

Candidates for the Bachelor's degree at the University wear tassels which indicate their school or college by color. For Master's and Doc-

LIBRARY BANQUET HONORS SERVICE



FOURTEEN University Library staff members were guests of honor at a banquet given by their fellow Library workers recently.

Every one of those honored celebrated 25 or more years of service to the Library. Many have been on the payroll since before the present building was first opened, back in 1924.

Special guests were staff members Grace Patten, senior librarian; Jessie Arms, senior librarian; John L. Dahl,

tor's degrees, the tassel is always black.

Others honored were Helen Smith, circulation librarian; Elizabeth Henderson, senior librarian; Harriet Sewall, librarian; L. Mae Centerwall, senior librarian.

Henry Rautio, bookbinder; Margaret Trimble, principal account clerk; Elizabeth Pehousek, librarian; L. Harriet Reade, secretary; Gertrude Veblen, principal librarian; Harold G. Russell, chief reference librarian.

UNIVERSITY GETS \$50,000 HEART GRANT



Signing for the Legion check is President James L. Morrill. Around him are Mrs. Ronald Arvidson and Mrs. Halsey D. Cory of the auxiliary; George Kaisersatt, state commander; Dr. Harold S. Diehl, and George Schattenburg of the Legion.

Legion Presents War Memorial

JOINING in the fight to find causes and cures of heart disease, especially rheumatic fever as it affects children, are members of the Minnesota branch of the American Legion.

The group presented to the University recently the first \$50,000 of a \$500,000 grant. The money will be used to endow a research professorship.

The gift is the first installment in a fund which the Legion and its Auxiliary expect to raise for the professorship as its memorial to those from Minnesota who served in the nation's military forces in both World Wars.

The check, which was presented by George Kaisersatt, commander of the Minnesota branch, represented the combined effort of more than 80,000 individual Legionnaires and more than 40,000 Auxiliary members in more than 600 Legion posts and approximately 500 Auxiliary units in Minnesota.

"The Legion is proud," Mr. Kaisersatt said, that "we have such an institution as our great University of Minnesota to which we can trust our project."

With the funds, the University hopes to establish the professorship shortly after July 1. The person to conduct the research will be selected by a committee of department heads in the Medical School, with approval by the Board of Regents.

All of the facilities of the University and its hospitals will be placed at the disposal of the professor in his search for means to combat heart disease, the nation's number one killer of today.

One Birthday Candle

The Minnesotan Ends First Year

THIS is the last issue of The Minnesotan for the present academic year. With the coming of fall quarter, the Department of University Relations plans again to publish this monthly magazine for all University Civil Service and academic staff members.

This issue reaches you late, as did the April magazine. Emergency printing problems are responsible, but we hope to have the situation under control so that every issue of Volume 2 will be on time.

With this month's magazine, you will find a questionnaire on which you can give us your opinion of this

new project which is written for you—to give you news of what is going on in other departments and schools, pass on information about procedures, and tell you about privileges you have as a University staff member.

If you think The Minnesotan is fulfilling its function, won't you tell us? If not, we'd like to know what your criticisms and suggestions are. In any case, why don't you jot down departments and stories you'd like to see featured in The Minnesotan during the coming year?

We're looking forward to hearing from you.

Staff Member of the Month . . .

Engineer graduate runs University bookstores

A GRADUATE of Electrical Engineering who never had a chance to work at his profession—he's the staff member we're honoring this month.

Harold D. Smith has been with the University since his undergraduate days when he was a part time student employee of the old Engineers' Bookstore. When he graduated in 1925, he got his present job as director of University Bookstores, and that's where he's been ever since.

Mr. Smith is in charge of four bookstores—the store in the Administration Building of the St. Paul campus, there "since the memory of man," as Mr. Smith puts it; the Nicholson Hall Bookstore, formerly in Folwell, started in 1939; the Professional Colleges' Bookstore, given that name in 1935, although students still persist in calling it the "Engineers' Bookstore"; and the Union Bookstore, opened with the new Union in 1940.

The Union store is the only one not selling textbooks, and this, explains Mr. Smith, is merely because students won't buy them there.

The Duluth Bookstore which opened last fall is under the direction of Earl H. Hobe, business manager for the Duluth Branch, but Mr. Smith spent a great deal of time last summer setting up the entire store—complete with books, supplies and operating equipment—so that the new manager, Betty Arnold, would be able to walk in and start selling right away.



Director of University bookstores for 23 years—and still going strong—is Harold D. Smith.

The Duluth Bookstore is the latest major problem Mr. Smith has undertaken during the past few years as his job expanded.

Probably the biggest headache he's had during the time he's been working here at the University—and certainly the one he deserves the biggest pat on the back for—is his deft handling of the bookstore problems brought by the war, the arrival of thousands of army and navy trainees, and finally, the coming of the veterans—16,000 of them.

Mr. Smith's explanation of the wartime problems of the military training units is that "they wanted odd and peculiar things." He and his staff had to contend with priority numbers, book and equipment shortages, to say nothing of military and government red tape, for several long years.

Just when he had a chance to start thinking about getting back on a

peacetime basis of operation, came the veterans. Initially, the University Bookstores supplied all student veterans, but as their numbers increased it was physically impossible. The Bookstores staff, however, still handles the billing for all of this tremendous business.

The present effective and simple method for student veterans to apply for and get their books is the result of Mr. Smith's speed-up tactics. It's a far cry from those frantic first months of long lines and short tempers.

At the moment, Mr. Smith doesn't have any great worry or problems pending about his bookstores, which are operated under Service Enterprises. But whatever the next proposition, he's ready and willing, even anxious, to tackle it—he's still of the opinion that these crises are "interesting."

Custodians Reward NEATEST SENIOR

Several admirers of neatness last week proved that cleanliness has its reward—at least in the Medical Sciences Building.

At the School of Dentistry's annual Honor Day Program, a \$10 prize was presented to the senior dental student, who, in the opinion of the custodians of the building, had kept his equipment and working space in the neatest condition.

Spencer Ferguson, well-known to both staff and students as "Fergy," spoke for the caretakers at the ceremony, and presented the first prize of its kind to Robert Fieck, Dentistry senior.

Other custodians who had a hand in picking the winner were Gust A. Erickson, John A. Leo, Bob Johnson and Frank Ezak.

The Minnesotan

Book Binding Is an Art

DEPARTMENT'S

STAFF HOLD LONG SERVICE RECORDS

THE University Bindery up on the fourth floor of the Main Library Building won't be quite the same after July 1.

Leaving for a well-earned vacation will be retiring staff member John L. Dahl, bindery foreman, who has been with the department since it was started in July, 1922.

It doesn't seem like a very long time, says Mr. Dahl, since that first year, and he remembers very well when the Bindery moved from the second floor of Perine's Bookstore to the spanking—new Library Building—the first department to be there. The marble steps weren't even in place—plaster ones were used—and the huge empty stacks, now filled in with row after row of books, seemed like enormous hollow caves.

THAT first year 1,500 books were bound by the three man staff, which included Henry A. Rautio who began work a few days after Mr. Dahl and is still at the Bindery. Axel Hansen, who retires this year with Mr. Dahl, started work for the University in 1925, three years after the other two.



Preparing job orders before sending books to the Bindery are Helen B. Wick and Jessie Hitchcock.

The methods of binding books haven't changed much in the years since Mr. Dahl brought his knowledge and skill to the University. Top-flight bookbinding still places a premium on quality and careful workmanship—two ingredients in which this University department's staff members abound.

Any member of the staff delights in telling a visitor to the bindery that once a book has been rebound, it rarely has to be touched again. Usually, by the time the University binding wears out, the pages also are beyond repair, and an entire new book must be purchased.

BEFORE a book reaches the Bindery, it goes to the preparations staff, and Helen Wick, senior clerk, and Jessie Hitchcock, junior librarian, fill out the necessary job orders. They also generally decide what type binding the book shall have, and the color of the covers.

They carefully examine every book before doing this, for some types of paper require special binding and handling. Some cannot be bound, and for these a box-cover is ordered.

In the Bindery itself, the volume goes through a number of processes before it is placed back on its shelf for general distribution.

First the old binding is taken off and the pages mended and reseeded.

THEN a new cover is put on—buckram, vellum cloth or whatever the job order calls for. Finally the book is finished and the title is stamped on carefully with gold leaf.

The Bindery has over 10,000 different patterns for titles of rebound books. This makes possible a great variety of styles, and also enables you to get exactly the same type lettering for a new volume of a set as you did for the first few. In this way, there's no difficulty in matching books.

In spite of the tremendous number of books and periodicals which

Continued on page 10

TASTING AND TESTING

Homemakers benefit from food freezing results

EATING is fun for most everyone and a menu including frozen foods is a special treat.

The eating is only one part of the frozen food story, however; many homemakers freeze their own products and store them in a home locker or in a community freezer locker. They want information on how best to freeze fruits, vegetables, meats and other foods, and are interested in how long these frozen eatables will remain flavorful and appetizing.

The University Frozen Foods Laboratory, in the Horticulture Building on the St. Paul campus, is the scene of constant testing so that homemakers and locker plant operators may be kept up-to-date on the latest developments in frozen food processing.

BULLETINS giving results of research are prepared regularly, and staff members who want information on any phase of home freezing are welcome to call the laboratory at any time.

The laboratory, which is under the direction of James D. Winter, associate professor of Horticulture, has been functioning for 12 years, and has been used in close cooperation with the Divisions of Agricultural Engineering, Animal and Poultry Husbandry and Home Economics.

Working with Mr. Winter is Lillian W. Anderson, research assistant, who handles the food processing and specializes in ready-to-eat foods.

At the present time, experiments are being conducted in the laboratory to determine the effect of different types of wrapping and packaging materials on the quality of fruits, vegetables, fish, poultry and meat when stored at 0° F. Zero degrees or lower is the most desirable storage temperature for most

products, as their quality deteriorates rapidly at higher temperatures.

According to Mr. Winter, these experiments are most important, because "the kind of packaging used is one of the major factors in the retention of quality in frozen foods."

SEVERAL packaging materials such as aluminum foil and polyethylene (a plastic material) have been found to give better protection than ordinary waxed locker paper.

"We don't recommend the use of waxed locker papers except for short periods of storage—not over two months," says Mr. Winter.

Another project underway at the laboratory is the study of how adaptable



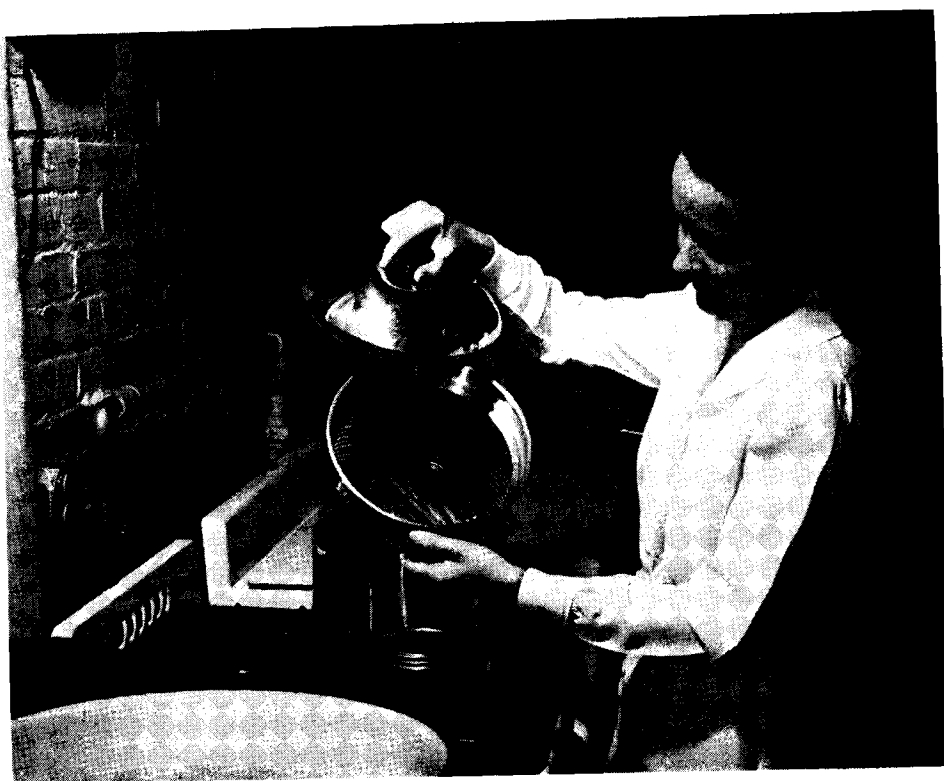
Examining frozen chickens, stored to test quality of different kinds of wrappings are Thomas H. Canfield and James B. Winter.

to freezing are different varieties of fruits and vegetables. Recently, approximately 75 varieties of strawberries grown and put up for freezing by the University Fruit Breeding Farm were tested by laboratory personnel. Only 12 of the 75 varieties showed promise of being adaptable to freezing.

Frozen fruits have become very popular during the past few years, because more eye appeal and flavor is retained by freezing than by any other method of preservation. No heat is used in processing fruits for freezing—they are packed either in sugar or in a cold sugar syrup.

Vegetables are scalded in a special kettle for a certain length of time before freezing. After prompt cooling they are placed in the freezer with the least possible delay in order to retain the most nutritive values. Overscalded vegetables tend to lose vitamins and color.

All sorts of baked goods also are frozen at the laboratory. From the standpoint of time, work and final results, Mrs. Anderson finds it best to



Scalding asparagus before chilling with ice cubes and freezing it, is Lillian Anderson.

bake most products before freezing. A specific reason for this is that in some

cases freezing destroys the rising capacity of yeast and baking powders.

ANOTHER phase of the laboratory's research is devoted to freezing foods which have already been cooked. Mrs. Anderson recently demonstrated the advantage of such foods by preparing a "pre-cooked" meal in 20 minutes—from freezer to table.

The menu included mock chicken legs, stuffed baked potatoes, garden fresh cauliflower and asparagus, cranberry salad, butter flake rolls and graham cracker ice cream pie.

Daily judging panels are conducted at the laboratory with Mr. Winter presiding. At these panels foods which have been frozen are graded on color, texture and palatability. Dr. Andrew Hustrulid, professor of agricultural engineering, is a regular member of the panels and has been of great assistance to the work of the laboratory.



Tasting and testing rhubarb is a judging panel composed of Andrew Hustrulid, Phillip A. Anderson, James B. Winter, Thomas H. Canfield and Marvin P. Steinberg.

Book Binding Is an Art CONTINUED

pass through the Bindery every year—and it now averages over 14,000—Mr. Dahl and his staff aren't going to be caught napping on the problem of exactly where to find books at any time while they're the Bindery's responsibility.

In addition to the card file record kept by the Bindery preparations staff, Mr. Dahl keeps a complete file

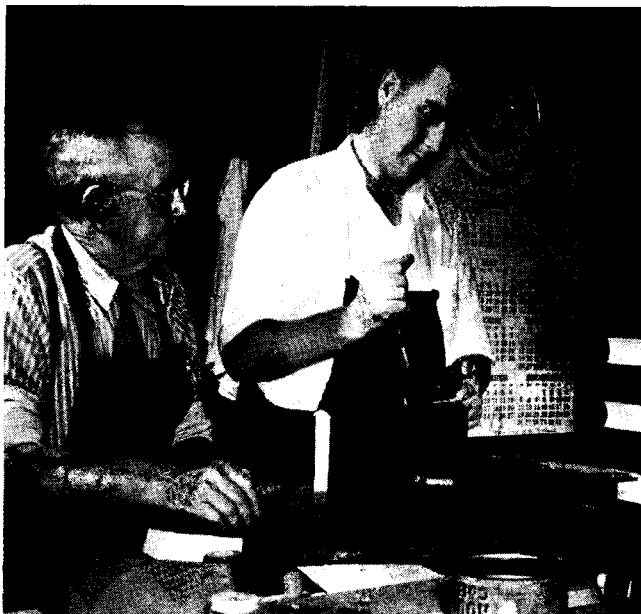
been here, only one volume has ever been misplaced—a mighty fine record and a credit to the careful Bindery staff.

There has been, more and more during the past few years, a big problem for the folks working in the Bindery. They just can't keep up with all the work.

As well as regular library books

try from which they are purchased, but high prices charged often make it more practical to have them bound here.

Many books and records constantly are sent in by other departments of the University for binding, and to top it all off, over 25,000 serials—newspapers, magazines and scientific periodicals—are received annually



Stamping on gold leaf with a hot iron is Clifford Johnson, right, while John L. Dahl watches.



Henry Rautio and Arvey Ramberg look over some samples of Eleanor Heggenhaugen's book-sewing ability.

of every book which passes through the hands of the workers in the Bindery. Each year's record, telling exactly what was done to every volume and when, has been bound, and Mr. Dahl really enjoys showing a visitor all of the entries for his first year's work.

Since then, he's worked out a simplified method of keeping track of the books, and during all the years he's

which need rebinding after a lot of hard wear by thousands of students, several thousand books purchased in foreign countries—France, Spain, Latin American nations and the Scandinavian countries—every year are received in just their jackets by our Library.

The Acquisitions Department, under which the Bindery operates, may order those books bound in the coun-

and must be bound by the busy staff.

It's no wonder that some books for which there is no special call are pushed back in the line of those waiting for attention at the Bindery.

You can see some of these in two rooms just off the Bindery, placed in large piles, each book with the job order sticking out from between the pages. In case there is a call for any of these stored books, the Bindery

staff can find the requested volume in a few minutes and send it through the binding process at once, so that it may be put into circulation within a week.

Lately, the pressure of work to be done has been so great that it has been necessary to send some books off campus to be bound, somewhat regretfully to be sure, for all of the Bindery staff members take great pride in their craftsmanship and hate to see any part of their work done by others, outside of the University.

There's only one thing any of them would ask for—that it stays fairly cool this summer. Their workplace up under the eaves of the Library gets so very hot during the summers that for those weeks it's difficult to keep their high level of production.

STAFF members include Arvey Ramberg, Clifford Johnson and Russell Leaf, bookbinders; Mabel Swedberg, Eleanor Heggenhaugen, Freda Graves and Victor A. Carlson assistant bookbinders.

Payroll Figures Out

University Staff Numbers 9,065

HERE'S a story about numbers for you who have wondered, along with a lot of other staff members, just how many of us there are working here at the University.

These latest figures were released by the Payroll Department and show a grand total of 9,065 staff members for the pay period ending April 15, 1948.

The last formal report, for the period ending January 31, 1948, showed 9,406 on the payroll, so there's been some decrease.

Now for a breakdown on our new total. There are 43 administration deans, directors and assistant deans. The University has 1,651 professors and instructors. Lecturers, research associates, research fellows and teaching, research and extension assistants total 1,851.

If you'll add together these numbers, you'll get the entire academic

staff—3,550 people. The Civil Service staff makes up a total of 5,515 employees.

All of these figures above include both regular and miscellaneous payroll and full time and part time workers.

The total earnings of these 9,065 people for the pay period amounted to the goodly sum of \$850,183.92.

With this you have the latest information on the subject—just in case someone asks you.

Staff Given Special GOLF, TENNIS PLAY

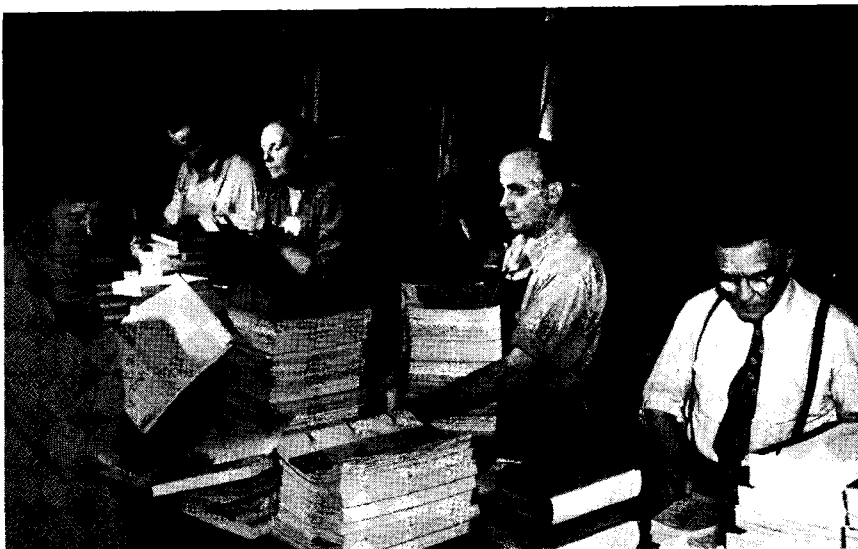
FOR you who want to take advantage of the University's golf course and tennis courts, here's information about special staff and student rates.

A single round on the 18 hole golf course costs \$.60, while \$25 is charged for a season privilege ticket. Locker privileges may be had for \$5.

The University tennis courts are open from 12 noon to 9 p.m. on weekdays and from 9 a.m. to 9 p.m. on Sundays and holidays.

For an hour's play \$.25 is charged, but staff may purchase a 10 hour ticket, allowing you to play that total time for \$1.50. The special 10 hour tennis ticket is good anytime except after 2 p.m. on Sundays and holidays, when a straight hourly rate is in effect.

Staff members not listed in the staff address book may be required to show identification—usually a note from your department head—at both the golf and tennis courts.



Shown in one corner of the Bindery are Mabel Swedberg, Russell Leaf, Freda Graves, Victor A. Carlson and Axel Hansen.

The University Benefits from

GIFTS AND BEQUESTS, GRANTS-IN-AID (1947-48)

Gifts and Bequests

Previously Reported \$ 113,745.83

This Report \$ 5,319.45

Associated Women of the American Farm Bureau Federation: MRS. CHARLES W. SEWELL MEMORIAL FELLOWSHIP FUND, \$3,000.

ALL-UNIVERSITY SCHOLARSHIP FUND, \$1,125; Lazarus S. You (for Miss Y. C. Puh), \$900; Westminster Presbyterian Church, \$225.

Minnesota Masquers: SCHOLARSHIP FUND, \$717.45.

Minnesota Heart Association: MISCELLANEOUS GIFTS, \$285.

American Society of Civil Engineers: PRIZE, \$67.

Sigma Sigma of Sigma Alpha Iota: ALUMNAE GROUP SCHOLARSHIP FUND, \$60.

An anonymous donor: BOOTH MEMORIAL HOSPITAL FUND, \$25.

Junior F. Hayden: GEOLOGY BUDGET 2009-2100 (purchase of additional Kodachrome slides), \$25.

ROBERT V. CRAM MEMORIAL SCHOLARSHIP, \$15; John L. Heller, \$10; Elizabeth Jackson, \$5.

To the University Library:

Mr. Meyer Herman, Martin Baking Company, St. Paul: A framed facsimile copy of the Declaration of Independence.

To the Mechanical Engineering Department: Wright Aeronautical Corporation, Dayton, Ohio, through its Chief Engineer, W. G. Lundquist: A single cylinder test engine, complete with supercharger and fuel injection system; The Dunwoody Institute of Minneapolis: Allis laboratory mill for use in connection with our milling engineering curriculum.

To the Northwest School and Station, Crookston: The "A" Club, a group of Northwest School students, in cooperation with graduating class of 1946: An electric scoreboard for the school gymnasium; The "A" Club, through cooperation of its members: Three desk model radios to be placed in Robertson Hall and Stephens Hall and the new girls' dormitory.

Grants-in-Aid

Previously Reported \$962,776.80

This Report \$35,833.67

American Cancer Society: RESEARCH ON INTRACELLELAR ENZYMES, \$11,030.

American Dairy Association through the National Dairy Council: FUND FOR RESEARCH, \$6,000.

Soy Flour Association: SOY FLOUR ASSOCIATION RESEARCH, \$4,262.

The Rockefeller Foundation: RE-

SEARCH ON THE DEVELOPMENT OF MAIZE, \$3,700.

American Dry Milk Institute, Inc.: NUTRITION STUDIES FOR 1948-49, \$3,000.

Erie Mining Company: RESEARCH FUND, \$2,000.

Abbott Research Laboratories, \$1,700; FELLOWSHIP IN CHEMISTRY, \$1,200; POSTWAR FELLOWSHIP, \$500.

Winthrop-Stearns, Inc.: PHARMACOLOGY RESEARCH FUND, \$1,000.

Sherwin-Williams Company; RESEARCH FUND, \$750.

Commercial Solvents Corporation: FELLOWSHIP IN CHEMOTHERAPY, \$616.67.

Minnesota Dental Foundation; STUDY IN TRANSIENT BACTERIA, \$500.

Mr. Frank A. Nelson; MRS. TILLIE NELSON FUND FOR SURGICAL RESEARCH IN CANCER, \$500.

American Society of Agricultural Engineers: COOPERATIVE GRAIN DRILL RESEARCH, \$400.

Mr. and Mrs. Jerome Hirsh: SAMUEL HIRSCHFELD FUND FOR SURGICAL RESEARCH, \$350.

John Diesch and family: MALIGNANT DISEASE RESEARCH (in memory of Mrs. John Diesch), \$25.

More Than Tradition

CONTINUED

collaboration with the state and local bar associations and their committees. Individual staff members are called upon by our governor and legislature to aid in improving state legislation.

FINALLY, the faculty, with the help of honor students in the Law School, edit the *Minnesota Law Review*, a periodical including notes and comments on recent cases and leading articles by law teachers, judges and lawyers.

The success of the staff's efforts may be judged by the extraordinarily high number of graduates who pass the rigorous bar examinations. These tests are administered by a



Some of the girls who help keep the wheels running smoothly are Violet Lemenowsky, Ruth Swenson, Margaret Alverson and Caroline Brede.

committee appointed by the Minnesota Supreme Court and must be passed before graduates are allowed to practice law.

This spring, after building up the University Law School to its present top-ranking position, Dean Fraser will retire and leave to Mr. Pirsig's able direction one of the best legal training grounds in this country.

Staff members of the Law School include Edward S. Bade, Wilbur H. Cherry, Stanley V. Kinyon, William B. Lockhart, Henry L. McClintock, Horace E. Read, Stefan A. Riesenfeld and Henry Rottschaefter, professors.

Robert C. McClure and William E. Mussman are assistant professors of law.

MILLICENT Purdy is secretary to the Dean, Ruth Swenson has the title of secretary and Barbara Hallinan is clerk-stenographer.

Caroline Brede is principal librarian; Ester Motz, senior librarian; Violet Lemenowsky, librarian; and Margaret Alverson, junior librarian.

Henry Ruter is Law Building custodian.



Robert C. McClure, Wilbur H. Cherry and Edward S. Bade pose in the Law Library stacks.

UNIVERSITY ENDOWMENT FUNDS

Gifts, Grants-In-Aid Make Expanded Research and Aid Program Possible

STAFF members know that the two main functions of a University, teaching and research, are complicated by an inevitable chain of requirements which are vital in order that the functions may be fulfilled.

Such necessities as maintaining buildings, dormitories, storehouses, bookstores and cafeterias, and even the administration of Workmen's Compensation Laws for the protection of thousands of University employees must be maintained.

Another task of the University is to handle research funds, loan and scholarship funds. They must be safeguarded and accounted for, and even patents arising out of research discoveries are University Administration problems.

TO keep these many services operating, of course, a lot of money is needed. Among the University's major sources of income are the Legislature, the Permanent University Fund, and Other Endowed Funds.

The money from the Legislature generally is appropriated for normal University operations.

The first University Fund was set up as an endowment in 1851, when the Congress of the United States, at the request of the Territorial Legislature, gave a grant of land to the University. Today, we still are aided by that fund. With money from the sale of lands, timber, mineral permits, iron ore royalties and profit on sales of bonds. These all are considered part of the Permanent

University Fund, with a portion the proceeds from the Occupational Tax, which came later, also added to make up the total.

A caretaker who wants to leave his savings to the University, the family who wishes to set up a memorial for a father or mother, a grateful ex-patient of University Hospitals—all of these and many others like them are in back of that title of "Other Endowed Funds."

THEY are the people who have established approximately 120 funds by gift or bequest for loans to needy or worthy students, scholarships, prizes to students, fellowships, research, lectureships and many other classifications which enable the University to help individuals as well as do important research work.

Still More Prizes . . .

KUOM PROGRAMS WIN AGAIN

TWO more of a long series of awards have been presented to KUOM, the University's radio station, in a nationwide local program competition conducted by Billboard Magazine.

KUOM's series, "The University Reports to the People," broadcast during University of Minnesota Week last February, won a special award in the public service category. The broadcasts told citizens of the state what the University was doing to help them work out new dairy methods, new agricultural techniques and developments in mining.

These gifts and bequests have varied in size from \$5 to \$2,750,000, and for each the University is grateful.

These funds, all of these endowments, play a very important part in shaping the future of the University.

ALL in all, the costs of education are going up rapidly. Maintenance costs, supplies and equipment, wages and salaries all are going up. This, combined with the tremendous peak enrollment which has taxed the University's facilities to the utmost, makes the total endowment funds more important than ever. It is through these funds that the University's research projects, its aid to students, its special laboratory equipment, even its library is kept at maximum effectiveness.

The series was written and produced by Northrop Dawson, Jr., KUOM staff member.

The other Billboard award was an honorable mention to KUOM for a broadcast of the Minneapolis Symphony rehearsing for the premier performance of James Alferis' Symphony No. 1. Mr. Alferis is an associate professor of Music at the University.

The Minnesotan congratulates both the dramatic and technical staffs of KUOM on this national recognition of their work.

Certificates of Merit *TO BE PRESENTED JUNE 16*

FORTY-SEVEN Certificates of Merit in recognition of their years of service to the University will be awarded retiring staff members at a ceremony on June 16.

The group will include 26 Civil Service and 21 academic staff members—all of whom have been at the University for 10 years or more.

President James L. Morrill will present the Certificates and will speak for the Regents in recognizing these men and women who by their years of devotion and service to the University have contributed so greatly to its growth.

After the program, which will take place in the Fine Arts Room of Coffman Union and will be broadcast over KUOM, the staff members and their relatives and friends who attend the ceremony will be guests at a coffee hour.

During the past few weeks, other gatherings in honor of retiring staff have been held by the various departments and schools.



Principal speaker at the banquet honoring Dean Everett Fraser was Oregon's Senator Wayne Morse, right, shown here with the Dean and Mrs. Fraser.

Everett Fraser, retiring dean of the Law School, was guest of honor recently at a banquet attended by over 800 persons, including Uni-

versity staff, students and alumni of the Law School.

Royal R. Shumway, assistant dean for student work, and A. M. Field, head of the Department of Agricultural Education, were guests of honor at separate banquets given for them in recognition of their years of service to the University.

Former students Harold E. Stassen and Hubert H. Humphrey were among those who paid tribute to Frank M. Rarig, retiring professor and head of the Speech Department at a recognition dinner for him.

Over 200 people attended a luncheon in the St. Paul campus shops re-



For Helena Ulrich, senior clerk in the Comptroller's Office, the entire Business Office had a coffee hour. The guest of honor is in the center of this group.

cently for Charles Alexander, experimental plot supervisor; Louis Meier, grounds crew foreman; Magdalene Wick, laboratory attendant; Thomas Walton, building caretaker; Lionel H. Lawrence, senior auto mechanic; Andrew Sand, utility man; Elsie Vong, custodial worker; Lilly A. Lindstrom, senior cashier; and Carl Malmberg, painter.

At a luncheon, Joseph Warren Beach, retiring head of the English Department, was given a specially bound copy of "Forms of Modern Fiction," essays collected in his honor.

These are but a few of the many, friendly gatherings planned for retiring staff members. A complete list of Certificates of Merit winners and the year they joined the staff is given here:

EVERETT Fraser, dean and professor, Law School, 1917; Royal Russ Shumway, assistant dean, College of Science, Literature and the Arts and professor of Mathematics, 1903; Charles Alexander, Civil Service staff member, 1904; Jessie L. Arms, Civil Service staff member, 1922; Leon Eugene Arnal, professor of Architecture, 1919.

Joseph Warren Beach, professor and chairman, Department of English, 1900; Roy Gillispie Blakey, professor of Economics, 1915; Leonard Francis Boon, assistant professor of Civil Engineering, 1921; William Henry Bussey, professor of Mathematics, 1907; John L. Dahl, Civil Service staff member, 1922; Bertha Dahle, Civil Service staff member, 1931; George Myron Damon, clinical professor and assistant dean, School of Dentistry, 1907.

Darrell Haug Davis, professor and head, Department of Geography, 1923; Cecelia Emerson, Civil Service staff member, 1937; Albert Martin Field, professor of Agricultural



Guests of honor at the Library Staff Association dinner were Grace Patten, Jessie Arms, Axel Hansen and John L. Dahl.

Education, 1918; Agnes Fleming, Civil Service staff member, 1919; Robert O. Green, clinical professor, School of Dentistry, 1908; Frank Fitch Grout, professor of Geology and Mineralogy, 1907.

AXEL Hansen, Civil Service staff member, 1925; James Martin Hayes, clinical associate professor, Surgery, 1921; Carl Albert Herrick, professor of Mathematics and Mechanics, 1918; Frank Hogleund, Civil Service staff member, 1931; Christian F. Jensen, Civil Service staff member, 1923; Andrew Kallman, Civil Service staff member, 1916; Cornelia Kennedy, associate professor, Biochemistry, 1908; William Kilgore, Civil Service staff member, 1921.

Mike Kusnier, Civil Service staff member, 1929; Jens Landro, Civil Service staff member, 1930; Lionel H. Lawrence, Civil Service staff member, 1918; William Carpenter McCarty, professor of Pathology, Mayo Foundation, 1915; Louis Meier, Civil Service staff member, 1927.

Wilford Stanton Miller, professor of Educational Psychology, 1916; Oscar B. Nelson, Civil Service staff member, 1936; Julia Olive Newton, associate professor, Agricultural Extension State Home Demonstration Leader, 1919; Grace Moody Patten, Civil Service staff member, 1919; William Leslie Patterson, professorial lecturer, Neuropsychiatry, 1937; Elsie Pedersen, Civil Service staff member, 1930.

ERNEST Boynton Pierce, director of Alumni Relations, 1923; Frank Miller Rarig, professor and chairman, Department of Speech, 1908; Andrew Sand, Civil Service staff member, 1931; James Stavlo, Civil Service staff member, 1930; Helena Ulrich, Civil Service staff member, 1918; Elsie Vong, Civil Service staff member, 1927; Thomas Walton, Civil Service staff member, 1922; Eleanor Wandtke, Civil Service staff member, 1932; Magdalene Wick, Civil Service staff member, 1930; Emma Zeman, Civil Service staff member, 1933.

The President's Page

THE revised University Civil Service rules and the long-considered general policy on collective bargaining were approved at the last meeting of the Board of Regents, on June 12.

This action of the Regents successfully ended the long and difficult job of rewriting the Civil Service rules which has occupied the Civil Service Committee for nearly three years. This committee included Professor Dale Yoder, director of the Industrial Relations Center; Professor Austin A. Dowell, of Agricultural Economics; Professor Ralph L. Dowdell, head of the Department of Metallurgy; Professor Lloyd M. Short, director of the Public Administration Center; and Mr. Clinton T. Johnson, assistant director of Service Enterprises. Mr. Hedwin Anderson, director of Civil Service Personnel, served in an ex-officio capacity as secretary of the committee.

In the rewriting of the rules, the regulations were made more specific and comprehensive and were incorporated into one complete text. Because of the size of the finished work, it is no longer practicable to give individual staff members their own copies, unless individually requested, but the volume will be available to every department for the use of all when questions about vacations, sick leave, or the like arise.

But sometime after July 1 of this year, each Civil Service staff member will receive a handbook including those rules about which questions are most frequently asked. This handbook and the larger volume of Civil Service rules to which all employees may refer should be of great interest and value, for they will deal with the conditions of non-academic employment at the University, up-to-date.

The rewritten Civil Service rules continue, of course, those benefits approved prior to this year including holiday pay, overtime pay, rotation of work schedules to provide alternate Sundays off, and the new vacation-leave policy adjusted to fit the 40-hour week.

One important change is in connection with the new "grievance procedure." A grievance is defined in the revised rules as "any controversy which arises out of the interpretation of or the adherence to the Civil Service rules or Civil Service Classification and Compensation Plan." This, in line with the recent ruling of the Attorney General, corresponds with the agreement reached by the University and Public Building Service Employees Union Local 113 in a "memorandum of understanding" drawn up as the result of recent negotiations following the threat of a strike.



The revised Civil Service rules also specify that in the event such a grievance cannot be settled satisfactorily, it is to be arbitrated. The arbitration board shall be made up of one representative appointed by the Regents and one appointed by the staff member or his authorized representative—which may be a union. The third arbitrator is selected by these two, or by the Governor in case the first two cannot agree upon the third member of the board.

Other benefits from the revised Civil Service rules include the extension of regular vacations and sick leaves to the Civil Service staff members who work regularly not less than 75 per cent or more of full time. Time and one-half pay for hours worked over 40 a week also is provided. For the staff of the University Hospitals, which necessarily must operate on a seven-day-week basis, arrangements are being worked out so that they, too, will benefit as completely as possible by the shorter hours and higher overtime pay arrangements.

The changes in the Civil Service rules should set a new landmark in staff-administration relationships at the University. That is the sincere conviction of the University Regents and administration, who, in cooperation with employee-representatives, the State Labor Conciliator and the Governor's Fact-Finding Commission, have sought in good faith to improve the conditions of employment and service on our campus.

f. L. Merrill

