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Greater University REPORT

UNIVERSITY OF MINNESOTA, FALL QUARTER, 1948

Minnesota's Stake in Taconite

By EDWARD W. DAVIS

Professor and Director of Mines Experiment Station

Approximately one and three-fourth billion tons of iron ore have been shipped from Minnesota's three ranges since this mineral wealth was discovered almost 100 years ago. That tonnage mined largely by the great steel companies has contained the cream of Minnesota's iron ore.

Now some of these companies have about exhausted their holdings. Their problem is to replenish fast dwindling reserves. This doesn't mean that Minnesota's heritage of high grade iron ore is completely exhausted. But only a few companies will be able to continue mining high grade ore of the types they are now producing for another generation. The remaining companies are now searching Michigan, New York state, Canada, Cuba and South and Central America for new sources of ore.

But Minnesota's stake in iron ore is still great. These same companies that have their engineers and geologists in foreign fields also have them looking for additional ore in Minnesota. No one anticipates finding any great quantity of new high-grade ore in this state, but a type of iron-bearing rock called "taconite" appears to have an impressive potential. And our north country contains enormous quantities of taconite. This rock is about one-third good iron ore and two-thirds waste material, and if means can be developed that will cheaply separate the good ore from the waste, enough ore can be made available to satisfy all American needs for generations to come.

The staff of Mines Experiment Station at the University has followed Minnesota ore developments with a



PROFESSOR E. W. DAVIS

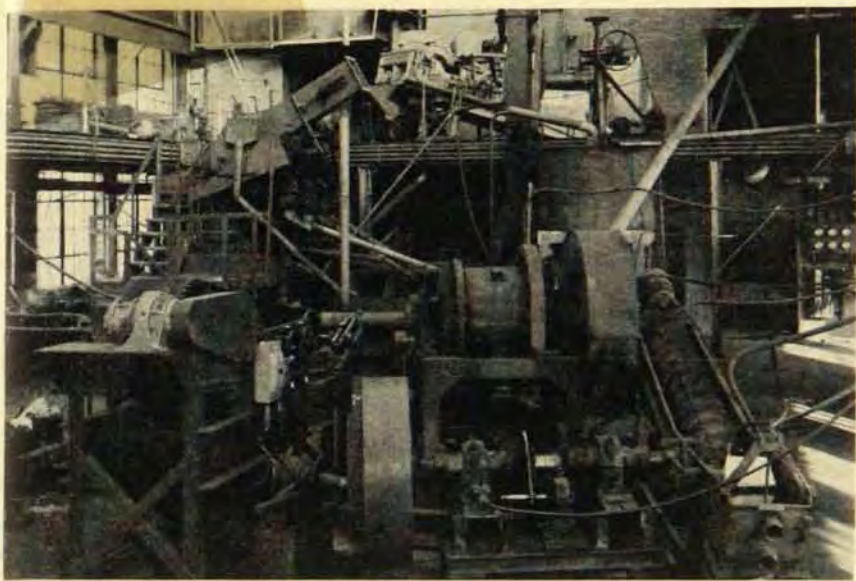
"Taconite . . . a wise and far-sighted investment for the state."

watchful eye. It was apparent long ago that as steel companies exhausted their supplies of usable Minnesota ore they would move their operations out of the state. In preparation for this day, work on the low grade taconite ore started in the University laboratory many years ago and, step by step, methods were developed for crushing, grinding and pulverizing the ore and then separating out the good iron ore. One of the interesting features of this development is that the one-third of the original bulk collected as good ore is actually higher in grade than most of the rich ores of the state. But a new problem cropped out because this new ore, at this stage, is in the form of a very fine powder that cannot be smelted into iron because it will blow out of the furnaces in the process. To overcome this, a process had to be developed to convert this fine, powdered ore back into lumps that would not blow away.

Years of laboratory work mastered each of these steps. The various processes have even successfully passed the pilot plant stage. Now the complete



Mines Experiment Station on the Minneapolis campus of the University of Minnesota.



The machinery in the foreground takes taconite through the second stage of magnetic concentration or separation of ore from waste.

process from the mining of the rock to the agglomeration of the fine concentrate into lumps suitable for blast furnace smelting is being tried out in a two-million-dollar plant near Aurora on the eastern Mesabi. This plant, now just getting started, has a capacity of about one-quarter million tons of high grade shipping product per year. If successful—and no one doubts for a moment that it will ultimately succeed—the way will be open for the development of a great taconite industry in northern Minnesota—an industry that will require private investment of hundreds of millions of dollars and that will furnish year-around employment of a much larger population in our north country. Minnesota is a long way from losing its iron mining industry. Some people think that the lowly taconite may even be more important in the future economy of the state than the high grade, direct shipping ores have been.

For over twenty years the University has been requesting, and the state legislature has been appropriating funds for research work on the low grade iron ore materials of the state. The work on taconite beneficiation has been a long, slow, and sometimes discouraging investigation. Nearly a half million dollars has been spent on the job. But now it is becoming apparent that this has been a wise and far-sighted investment for

the state. While this new taconite industry is just beginning to get underway the four steel companies that are most vitally interested in taconite have already spent ten times the amount of money in this state than has been spent by the University on this research.

And once more we see how, in the kernel of what may have seemed to some to be no more than the wild dream of an impractical college professor, another modern miracle is realized. In terms of the economy of our state and nation, our national security, progress and better living, enormous dividends from a relatively small investment in basic research will be realized by all of us.

One of the purposes of the Greater University Report is to illustrate through specific examples the avenues of progress the research scientist prepares for us. The Fall Report contains examples in the fields of agriculture and mining, both areas of enormous importance to the welfare of our State and Nation.

The Greater University Fund hopes to be able to supplement the research program already made possible from present sources of income with additional projects. In addition to this the Fund will support badly needed scholarship and fellowship programs through gifts from alumni and friends of the University.

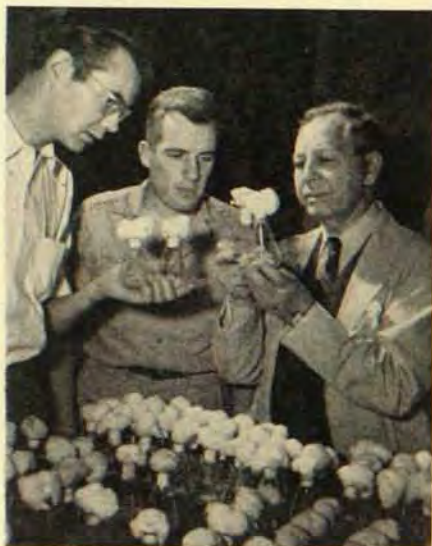
Scientists Battle Plant Disease

BY HAROLD SWANSON
Editor, *Agricultural Publications*

Have you often been startled by a headline telling that Minnesota farmers face the loss of millions of dollars because of a new plant disease?

Then have you felt relieved to hear that a new grain variety developed by the University of Minnesota gives better yields and is resistant to this disease?

Behind this modern miracle of agricultural science stands the work of three divisions of the University's Agricultural Experiment Station who work closely together to produce better crops for better living on the farm. Plant disease and crop experts, aided by biochemists, cooperate in a



Studying corn smut in cultures. Left to right: J. M. Daly, D. E. Munnecke, and E. C. Stakman.

never-ending battle against plant disease and poor yields.

And the battle is a never-ending one! One year the plant scientists may develop what appears to be a new disease-resistant grain variety. A few years later, however, another disease may spring up from nowhere to again endanger the farmer's crop. Thus plant scientists must work continuously to protect Minnesota farmers against this constant threat.

Take, for example, their task with wheat. Late in the 19th century plant scientists started work developing varieties adapted to Minnesota conditions. Two new selections were soon released for general distribution. They

were Minnesota 169, called Haynes bluestem, and Minnesota 163, called Improved Fife.

By 1912, however, Canadian scientists had developed an even better new wheat variety, Marquis. This variety swept the country. For awhile it seemed to have demoted the dread stem rust, known as the "Red Terror of the Northwest," to the position of a minor disease. Actually Marquis' early ripening characteristics enabled it to escape stem rust for several years. Later it was so hard hit by both stem rust and head blight that thousands of farmers quit growing wheat or shifted to durum.

As a result the University's plant scientists' problems were two-fold—(1) to develop a more disease resistant bread wheat and (2) to develop a better durum.

They soon discovered and developed the better durum variety, Minidum, which is still widely planted in Minnesota.

And finally in 1934, the scientists released the revolutionary stem-rust resistant Thatcher wheat, which is still raised on 16,000,000 acres in North America. Thatcher won favor with millers as well as farmers because of its high-baking quality.

However, a weakness in Thatcher's armor was soon found by another of wheat's many shifty enemies, leaf rust. Again the scientists went to work. In 1944 they introduced still another new variety, Newthatch, which appeared to be resistant to leaf rust.

Then in 1948 the same scientists withdrew their recommendation from this variety because another race of leaf rust which attacks many of the new varieties became prevalent. As a result they are now working on the development of newer and better varieties.

The story of wheat can be repeated for oats, for corn, for flax, and for many other crops. Oats are another excellent example.

A few years ago Vicland and Tama oats, developed by experiment stations in other states, were heralded as bringing about a revolution in oat growing in Minnesota. Yields were increased materially until one year a new disease, *Helminthosporium*, struck. Again University scientists were soon ready with two new *helminthosporium*-resistant varieties, Bonda and Mindo. These are now

widely grown in the state and have shown increased yields of about 15 percent on University experimental plots.

Just who are these scientists who are constantly striving to improve Minnesota crops for farmers and to bring the city consumer a better product? New and better grains result from the cooperation of three different groups of specialists in the University. Certain phases of the experimental work are also carried on by representatives of the U. S. Department of Agriculture working at the University with staff members. The University groups include:

(1) The agronomists or crop men, headed by Dr. H. K. Hayes. The agronomists are responsible for crossing various grains and corn varieties and selecting strains that yield well in Minnesota. Once they have developed the cross, they raise enough seed so the strain can undergo extensive tests in many locations.

(2) The plant disease experts, headed by Dr. E. C. Stakman, who is recognized as one of the world's out-

standing wheat rust experts. These scientists study the disease organisms and cooperate in testing the resistance of all selections.

(3) The biochemists, headed by Dr. W. F. Geddes, chief of the Biochemistry division. This division studies the composition of the new grain varieties. It tests new wheat varieties for their baking qualities, barley for its malting quality, flax for its oil content, etc. If a wheat is not suitable for bread, even high-yielding and disease-resistant qualities will not persuade the University to recommend it to farmers.

Coordinating the work of all these divisions is Dr. C. H. Bailey, dean and director of the University's Department of Agriculture. Dean Bailey is also known as an international authority in cereal chemistry.

This is the story behind every new grain variety. Behind every new variety of grain there stands 10-12 years of intensive research by plant disease experts, crops men and biochemists, working together to bring the farmer a better product for his farm.



H. K. Hayes, E. C. Stakman and Carl Borgeon consult in the greenhouse on the St. Paul campus.

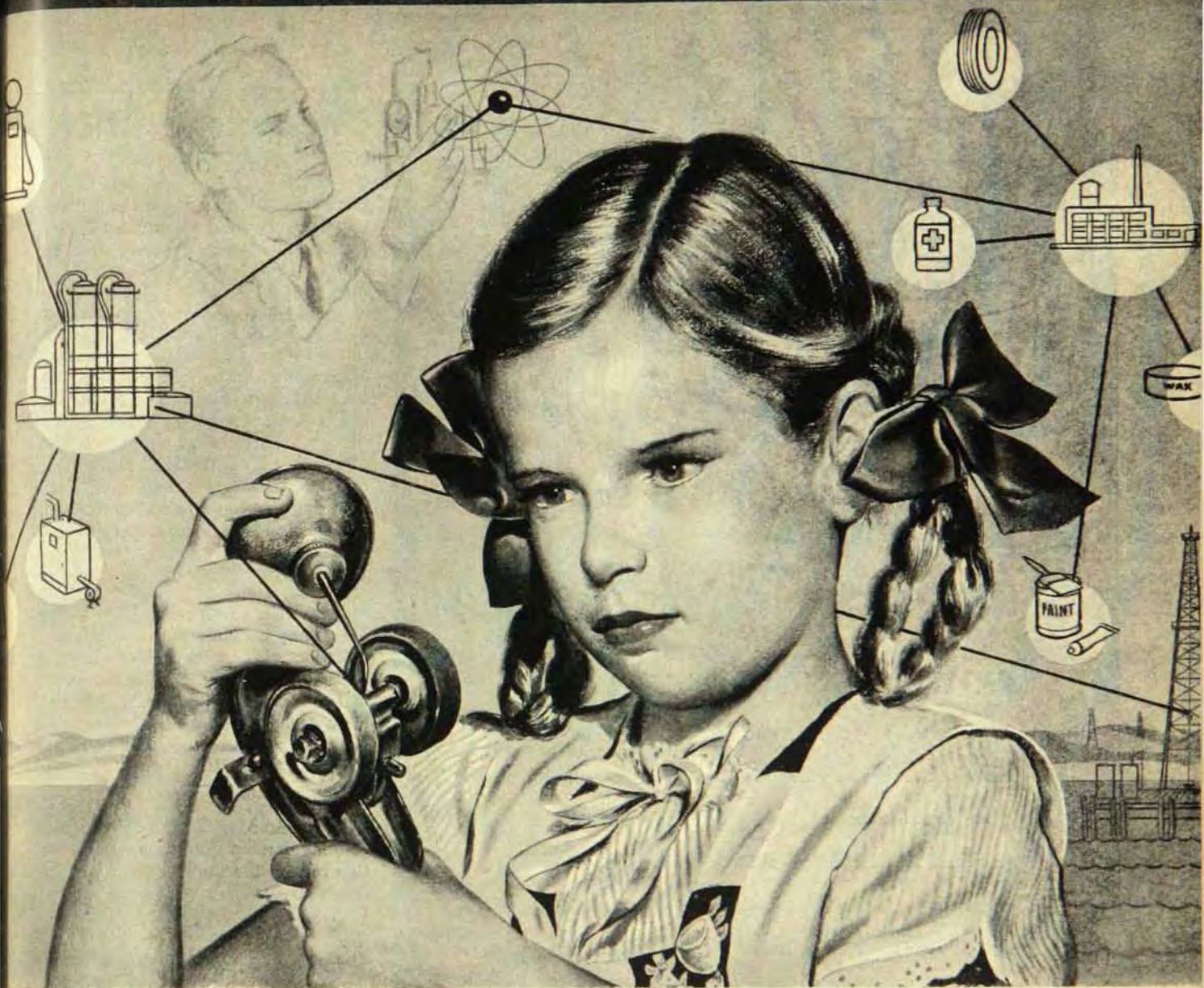
Reports in Brief

The Greater University Fund Scholarship Program will be announced early next year. Through it, qualified young people will find a new avenue to higher education.

The University Campus Chest, stu-

dent campus fund organization, recently added almost \$1,000 to its scholarship fund as a result of its fall campaign. Over \$4,300 in scholarship assistance has already been distributed by this organization.

"—The seeds of godlike power are in us still"—MATTHEW ARNOLD



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Reports in Brief

Plans are underway at the University to begin publication of an American Studies Quarterly early in 1949.

Two transcribed series of documentary broadcasts, "The University Reports to the People" and "Tales of Minnesota" have been prepared by KUOM for presentation by Minnesota radio stations to their listening audiences. Services of the University affecting the welfare of our people and historical grass-roots events appropriate to the Minnesota Centennial celebration are the respective subjects of the two series.

In the ten year period 1936-45 the University of Minnesota has granted 682 doctors degrees in the sciences, excluding medicine and dentistry. This placed the University sixth in the nation, according to the office of scientific personnel of the National Research Council.

The John Mars MacDonald Memorial Scholarship Fund was established this fall by the mother of this alumnus who gave his life in the recent war.

Minnesota ALUMNUS

Continuing the Minnesota Alumni Weekly which was established in 1901. Published by the General Alumni Association of the University of Minnesota, 205 Coffman Union. Members of the American Alumni Council.

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The Minnesota Alumnus is published monthly from September through June. Entered as second class matter at the post office at Minneapolis, Minnesota, under act of Congress of March 3, 1879. Subscription, \$3 a year.

If any subscriber wishes his magazine discontinued at the expiration of his subscription, notice to that effect should be sent with the subscription or at its expiration. Otherwise it is understood that a continuance is desired.

Centennial Gopher

This year the Gopher yearbook will be offered at a special rate of \$5.00, postpaid, to all alumni and alumni organizations throughout the country. This will be the first time in the yearbook's history that an all-out sales drive amongst the more than 87,000 alumni members has been conducted; but, because the yearbook will present the University's part in the state territorial centennial festivities, the sales staff has high hopes of attracting alumni interest.

Besides renewing fond memories the campaign is intended to have a majority of the alumni purchase copies of the 1949 book for use in hospitals, schools, waiting rooms, libraries and offices in their particular localities. Simply by filling out the coupon, found in the Gopher ad in the November issue, and enclosing either a money order or check, an alumnus may purchase as many copies as he desires.

In all purchases to be sent to public or private institutions a donation filler will be attached to each book stating the individual's or group's name.

The University of Michigan's book doubled its sales last year with alumni support, and the Gopher staff is confident that Minnesota's alumni can do an even better job.

Variety Heart Hospital Construction Begins

A campaign to raise an additional sum in excess of \$100,000 for the Variety Club Heart Hospital at the University of Minnesota was launched recently, after ground breaking ceremonies at the East River Road site.

Total cost of the new hospital overlooking the Mississippi river at the south edge of the University campus, is expected to be some \$900,000. The drive was opened by the Variety Club of the Northwest, composed of theater men and associated members in the field of entertainment, who have already raised \$309,000 for the building.

Attending the ceremony were 200 doctors, nurses, University officials and sponsoring representatives of show business.

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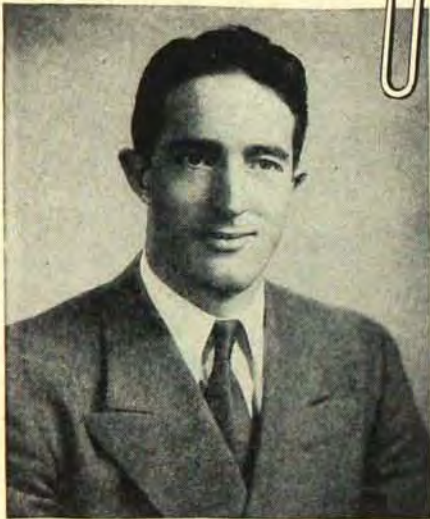
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(A)



GEORGE W. DUNN -- PHILADELPHIA, PA.

*This story should be
of interest to every
college man H.C.C.*

How did I make the transition from a Teachers' College to the life insurance business? Here is about how it happened.

I waved a fond farewell to Moorhead State Teachers' College, Minnesota, in the spring of 1941, and settled down to do some serious thinking concerning my future. Uncle Sam supplied some of the answers in September of that year, and for the next five years the Army Air Corps was my boss, and my address was a succession of Army Air Bases and A.P.O. numbers, which stretched from Colorado to Scotland, England, Africa, Italy and Corsica.

For two of these years it was my good fortune to be associated with a brother officer, "Cap" Haines, in civilian life a partner in New England Mutual's Philadelphia General Agency, Moore and Haines. He, my wife--a U. S. Army nurse, whom I married in Africa--and I spent long hours discussing life insurance and its possibilities as a career for me. It offered all of the things that I had ever hoped for in business: independence, unlimited income possibilities and, most of all, a never-ending challenge to my ability in a field where limits do not exist, excepting as I alone set them.

Before I had finished my terminal leave, I was studying for my Pennsylvania State Insurance examination, and was making field trips with my friend from overseas.

Now, after two years, I am more convinced than ever that there is no better future than that which the New England Mutual offers. To prove my point, I have the support of my 97 policyholders, and the one million dollars of new life insurance which I have placed on their lives.

George W. Dunn

GRADUATES of our Home Office training courses, practically all of them new to the life insurance business, are selling at a rate which produces average first-year incomes of \$3600. The total yearly income on such sales, with renewal commissions added, will average \$5700.

Facts such as these helped George Dunn solve his career problem. If you'd like to know more, write Mr. H. C. Chancy, Director of Agencies, New England Mutual Life Insurance Company, 501 Boylston Street, Boston 17, Massachusetts.

These University of Minnesota men are New England Mutual representatives:

John A. Hummel, '99, St. Paul	Francis "Pug" Lund, '35, Minneapolis
Louis M. Schaller, '29, Minneapolis	
Robert D. Davis, '30, St. Paul	Lloyd V. Shold, '42, St. Paul
Mailand E. Lane, Sr., '32, Minneapolis	William F. Brandt, '43, Minneapolis
Hubert D. Wheeler, '34, Duluth	Earl H. Mosiman, '47, Minneapolis
Fred W. Gould, '35, Minneapolis	George W. Ritter, '48, Minneapolis

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Minnesota ALUMNUS

Vol. 48, No. 4

December, 1948

Regents Submit Legislative Requests

THE Regents of the University of Minnesota have submitted the following appropriation request to the State Legislature for the 1949-51 biennium, President J. L. Morrill announced in December.

1. For general maintenance and operation, \$12,182,255 per year, an increase of \$4,095,007 annually over the present appropriation which, if granted, will provide for an over-all 17.6 per cent increase for the general operation of the University.

2. For the Duluth Branch, \$442,222 annually for operation, an increase of \$178,261 per year, plus a special appropriation of \$79,575 the first year and \$64,075 for the second year for building repairs and purchase of land.

3. For the University of Minnesota Hospitals, including operation of the general, psychopathic and heart hospitals, \$933,415 for the year 1949-50, an increase of \$357,915, and \$1,036,965 for the second year of the biennium. Involved in the 1950-51 appropriation is an additional increase of \$103,550 as the state's share of caring for county patients in the new heart hospital.

4. For special extension and research projects such as medical and cancer research, crop breeding and testing, county agents and the Rosemount Research Center, \$908,000 per year, an annual increase of \$301,500.

5. For buildings and building improvements for the two-year period, \$10,643,450, an increase of \$3,122,704 over the amount appropriated for buildings for the current biennium.

In asking the Legislature to appropriate for the biennium \$10,643,450 for buildings and building improvements, the Regents have apportioned this sum tentatively as follows: Min-

neapolis campus, \$4,200,000; St. Paul campus, \$1,600,000; Duluth Branch campus, \$2,124,250; the projected new school of agriculture at Waseca, \$2,489,200; other branch schools and stations, \$230,000.

Building Program

Last summer, the Regents outlined, at the request of the Legislative Research Committee, a physical program necessary for the adequate accommodation of a student body of 24,000. Cost of this program was estimated at that time as in excess of \$31,000,000, and the Regents expressed the hope that the program could be completed in a four-biennium period.

Estimated costs of buildings in this expansion program then totaled \$24,569,300, but re-estimated on current price levels, the cost of these buildings now add up to \$30,533,330.

The 1949-51 buildings request is aimed at accomplishment of approximately one quarter of the eight-year program except for the Duluth and Waseca projects. The Regents hope to carry out the Duluth building program in four years instead of eight and to complete the buildings for the proposed new school at Waseca within the next two-year period, President Morrill explained.

The 1947 Legislature provided for an appropriation of \$750,000 (to become available July 1, 1949) for establishment at Waseca of a new

Need for Increased Operating Funds

THE Regents' request for operating funds calls for a total annual increase of \$5,108,058. This increase is necessitated in large measure, explains President Morrill, by four factors:

1. Loss of University income through some loss of enrollment, particularly a decline in the number of veterans for whom the federal government pays non-resident tuition, which is higher than the tuition paid by Minnesota civilian students.

2. Continuing high costs—well above the level on which requests for the current biennium were based—involving among other things, substantial staff salary increases and larger outlays for supplies, equipment and plant operation.

3. The University's increasing teaching load at the advanced level—juniors, seniors and graduate students. The percentage of advanced level students has mounted rapidly since the war (now 57.3 per cent). It is estimated that it costs twice as much or more to teach these advanced students as it does freshmen and sophomores.

4. Increased demands for research and service involving problems which affect the economy, the social and political life, the general well-being of the state and its citizens.

school of agriculture to accommodate 350 students. There are no facilities available at Waseca for school of agriculture purposes, and so a complete plant must be built. The Regents therefore are asking that the entire Waseca building program be provided for in a single appropriation.

The full eight-year expansion plan, according to the president, is designed to prepare the University to meet more readily the large increase in enrollment which is expected about 1960, when children born in the war-time birthrate acceleration will be ready for college. Although a downward trend in enrollment is now being experienced, he explained, this trend is expected to level off at about 24,000 to be followed by another upswing in enrollments in the early 1950s.

Income Changes

The requested general maintenance appropriation of \$12,182,255 annually, an increase of \$4,095,007 yearly over the 1947-49 appropriation, was recommended by the Regents, President Morrill said, after a detailed analysis of income loss from tuition and services and consideration of price increases.

University income for maintenance and operation during each year of the coming biennium is estimated at \$1,023,352 less than in 1948-49, the president stated. This decline is chiefly in tuition income.

For veterans attending the University under the G. I. and Rehabilitation bills, President Morrill explained, the Veterans Administration has paid non-resident tuition rates which in general are more than twice the resident rates. In this way the federal government, since the war, has helped the state to carry its abnormally large load of students.

"Had these students been 'on their own,' paying regular fees themselves," commented President Morrill, "the state for the last three years would have had to provide larger educational appropriations. The G. I. bill, in fact has been a federal subsidy to the state; the federal government has shared the costs of carrying the load imposed by the veterans."

Although the G. I. bill is still in effect, the number of veterans enrolled is beginning to decline as some exhaust their rights and drop out of school and others graduate.

At the peak of the "veterans' bulge" in 1946-47, 16,428 veterans were attending the University. This year there are 14,810. University officials estimate that veteran enrollment will average 9,225 during the next two years.

"There is still a vast and impressive body of veterans to be taught," President Morrill asserted Friday. "The point, however, is that they are declining in numbers at a faster rate than the student body as a whole. The resulting income loss must be counterbalanced to provide for the instructional, research and service job that remains."

During the year 1947-48, because of larger income from veterans' tuition and inability in the face of competition to fill certain academic positions, President Morrill explained, it was possible to allocate for supplies, expense and equipment, including plant maintenance and operation, \$5,343,827.

But in 1948-49, because of shrinking income and the inescapable use of funds already designated for academic positions, the allocation for these purposes will amount to an estimated \$4,860,701. This is far below the minimum required, particularly for adequate maintenance and repair of buildings or for acquisition of es-

sential laboratory and research equipment to keep pace with changing scientific advances.

Duluth Branch

Enrollment at the Duluth Branch, formerly the Duluth State Teachers college, which was transferred to the University July 1, 1947, has jumped from 915 in the fall of 1946, the last year of its operation as a teachers college, to 1,900 this fall. Estimates indicate a student body averaging 2,050 for each year of 1949-51 biennium, according to President Morrill, and Legislative requests for the branch are based on this figure.

During the current school year, the Duluth Branch is operating on an appropriation of \$263,961 made by the 1947 Legislature to the institution as a teachers college. Some additional revenue was derived from applying the same tuition and fee schedule in effect on the Twin Cities campuses.

"To carry the expanded load of students registered for the general liberal arts and teacher-training undergraduate program that is offered at Duluth," stated President Morrill, "increases in the staff is essential."

Requested by the Regents for this purpose is \$56,771 for each year, \$38,843 for enlargement of the facul-

Requests Provide for Salary Increase

INCLUDED in the \$4,095,007 requested increase in the annual general maintenance appropriation along with the \$1,023,352 to offset the anticipated income drop (chiefly decline in tuition income), is \$965,071 to provide a 12½ per cent increase in faculty salaries and \$570,240 for cost-of-living and merit increases for civil service staff members. Proposed advances in faculty and staff salaries, the president pointed out, will bring these salaries into closer relationship with the Bureau of Labor Statistics cost-of-living index which now exceeds 173.

Also included in the increased maintenance appropriation request for each year of the biennium is \$215,898, 2.8 per cent of the 1948-49 academic payroll, to provide for new academic positions.

New civil service positions included in the maintenance requests carry salaries totaling \$151,163, or 2.7 per cent of the 1948-49 civil service payroll. Of this amount, \$33,800 is to provide for custodial positions in new buildings under construction or already planned and for which the Legislature has made appropriations at previous sessions.

Largest item in the \$4,095,007 annual general maintenance increase requested is a \$1,169,283 boost in the yearly allotment for supplies, expense and equipment and plant maintenance and operation.

ty and \$17,928 for additions to the civil service staff. To follow the general University plan for salary adjustments, the Regents are asking an annual increase of \$58,185, \$47,231 for the academic staff and \$10,954 for civil service employees.

Another annual increase of \$51,544 is sought by the Regents for supply, expense and equipment needs including plant operation and maintenance, bringing the Duluth Branch annual maintenance appropriation request to \$442,222, an increase of \$178,261.

Physical plant deficiencies at the Duluth Branch aggravated by the overflow student body require improvements which will cost an estimated \$128,150, and the Regents are asking that half of this amount be made available each year of the biennium to accomplish this work.

An additional \$15,500 is asked of the Legislature for the purchase of land to complete the area on which the new Duluth Branch campus is to be erected. Most of this campus site was presented to the University as a gift.

Special Services

"A university does more than teach," President Morrill asserted in explaining the requested \$301,500 annual increase in special appropriations. "It carries on research and offers service in many ways. Demands for research and service have never been as many nor as insistent as now.

"World War II demonstrated beyond question the value and necessity of research," he added. "It put a high premium on scientific 'know how.' Government turned to universities to find the scientists needed in all fields—technology, agriculture, medicine and health and the social sciences.

"As a nation, as a state, people are now keyed to the significance of research. As individuals, as organized groups, they are pressing in upon the University. The University is a great laboratory with a staff that is besought constantly to push back the frontiers of knowledge, to find answers to fundamental questions through pure research."

To meet these obligations the staff must be strengthened constantly through the recruiting of young scientists and scholars and through resistance to attempts to lure away its



Shown watching President J. L. Morrill turn the first spade which marked the beginning of construction on the Variety Club Heart Hospital are from left to right: Dr. Morse J. Shapiro, Md '17, President Morrill; Dr. John M. Adams, associate professor of pediatrics, and Dr. Irvine McQuarrie, professor and head of the department of pediatrics.

older, outstanding scientists and scholars.

"The University must be able to adjust loads of its staff members," President Morrill asserted, "so that teaching assignments will still leave time for research and for public service. When the veterans returned, their instruction was a first consideration. The staff in some measure had to turn from research responsibilities to carry the classroom load. The balance now needs to be restored. What was an emergency situation in 1946-48, cannot be retained as the normal."

Research and Extension

Annual special appropriations requested for extension and research with the increase, if any, over the annual appropriations for 1947-49, shown in parenthesis, were reported by President Morrill as follows:

Agricultural extension work, \$87,500 (\$35,500); county agents, \$136,500 (\$21,500); beneficiation of manganese ores, \$75,000 (\$15,000); soils survey, \$25,000 (\$13,000); dairy manufacturing, \$20,000 (\$8,000); medical and cancer research, \$60,000 (\$10,000); livestock sanitary board, \$40,000 (\$10,000); crop breeding and testing, \$45,000 (\$10,

000); Institute of Child Welfare, \$28,000 (\$5,500); potato and vegetable research, \$16,000 (\$4,000); mastitis control, \$15,000 (\$3,000).

General research, \$100,000 (\$25,000); Minnesota Institute of Research, \$50,000 (\$25,000); home demonstration and 4-H club work, \$40,000 (\$10,000); game and fish, \$6,000 (\$1,000); agricultural research at the Rosemount Research Center, \$100,000 (\$50,000); hybrid corn maturity tests, \$9,000; animal and human brucellosis research, \$30,000 (new project); Division of Business and Economic Research, \$25,000 (new project).

Increases for the University Hospitals, the psychopathic hospital and the new heart hospital for the two-year period aggregating \$819,380 are asked by the Regents. This sum includes an annual increase of \$300,869 for University Hospitals to obtain additional staff and to meet increased costs and an annual \$57,046 increase for the psychopathic hospital to provide for 100 per cent occupancy and to pay increased operating costs.

With these increases the requested annual appropriation for University Hospitals for the biennium is \$754,869, and for the psychopathic hospital, \$178,546. An appropriation of

\$103,550 for the year 1950-51 is asked for the new heart hospital and is included in the \$819,380 aggregate increase asked for the hospitals for the two-year period.

Building Requests

Included in the building requests for the coming biennium are 45 projects—16 on the Minneapolis campus, eight on the St. Paul campus, eight on the Duluth campus, seven at Waseca and six at other branch schools and stations.

Buildings on the Minneapolis campus for which funds are asked in the amounts listed are as follows: Chemical Engineering building (additional for completion) and equipment, \$250,000; Social Science building (additional for completion) \$432,000; classroom building (additional for completion), \$528,000; addition to heating plant, \$450,000; two steam generators for heating plant, \$650,000.

College of Education building, \$1,560,000; Physics building addition, \$672,000; Military and Naval Science building, \$800,000; Main Engineering, addition, wing, \$720,000; Library roof house (additional for comple-

tion) \$175,000; Comstock hall addition, \$400,000; chemical storehouse, \$480,000; Law building library stacks, \$104,000; Law School addition, \$380,000; Wulling hall addition (pharmacy), \$442,000; and Scott hall, north wing (music), \$156,000.

Appropriations requested for buildings on the St. Paul campus are as follows: Library, \$600,000; heating plant, boiler replacement, \$140,000; Soils building, \$500,000; School of Veterinary Medicine building (basic science unit), \$624,000; home management house, \$30,000; classroom building, \$416,000; Entomology and Economic Zoology building, \$500,000; and college men's dormitory (50 per cent of total cost), \$400,000.

Requested by the Regents for the buildings on the Duluth Branch campus are the following appropriations: Science building (additional for completion) and equipment, \$330,000; Physical Education building, \$1,400,000; heating plant and shops building, \$620,000; heating tunnels and utilities, \$150,000; Library, \$572,000; classroom building, \$416,000; dormitory for women (50 per cent of total cost), \$380,250; and dormitory for men, (50 per cent of total cost), \$380,250.

Funds asked for construction of buildings for a new school of agriculture at Waseca are apportioned as follows: classroom, laboratory, Library, Administration and Health Service buildings (in addition to \$750,000 appropriated by 1947 Legislature), \$338,000; men's dormitory for 200 students, \$884,000; women's dormitory for 100 students, \$350,200; heating plant and equipment, \$370,000; heating tunnels and utilities, \$110,000; additional farm buildings, \$125,000; Physical Education building, \$312,000.

Special Units

Included in the building requests for the biennium were the following amounts for plant improvement and expansion at various outlying schools and stations: Crookston, replacement of heating plant boilers, \$260,000; Grand Rapids, classroom building completion, \$25,000, and sewage disposal plant, \$50,000; Duluth experimental station, dairy barn completion, \$20,000; Rosemount Research Center, buildings for agricultural purposes, \$60,000, and Morris, addition to Agricultural hall, \$135,000.

"The State's Most Significant Investment"

IN THE statement of the financial operation of the University of Minnesota for the year ending June 30, 1948, which appeared in the November issue of the MINNESOTA ALUMNUS, Mr. William T. Middlebrook, vice president for Business Administration, reported that the total income of the institution for the year was \$43,676,232.50. In the breakdown of the sources of University income it was noted that \$11,138,720.16, or approximately one-fourth, came from the State of Minnesota.

In the preceding article is listed the statement of the need for increased assistance from the state as requested by the Board of Regents. The reasons for this increase are fairly obvious to everybody in this time of mounting costs. On the basis of a 10 percent increase in the costs of operation, the University would require \$1,690,000.00 more from the state just to meet these costs. There are many other factors entering into the picture. For example, \$1,023,000.00 additional funds will be needed just to offset the decline in student fees. This decline is largely accounted for in the decrease in the number of students attending the University under the G. I. Bill. For these students the Federal Government has paid at a rate above the regular resident

tuition fee. The G. I. Bill, therefore, has served as a federal subsidy to the state in that the Federal Government has shared with the state the cost of carrying the load imposed by the enrollment of veterans. As the number of veterans declines, their places are taken by students who pay at the lower tuition rate.

Approximately two-thirds of the maintenance budget of the University goes for salaries, teaching services and research. The salaries of members of the academic staff have lagged behind the upward trend and the Regents have asked an addition in appropriations to allow for a 12½ percent increase in the salary budget. The salary schedule of the non-academic employees is governed by the state Civil Service code. An increase in the salaries of those on Civil Service in state departments would call for a like increase to the Civil Service staff of the University.

There are also items in the requests to care for additions to the staff, both academic and non-academic. The movement of the tremendous post-war enrollment of students into the upper classes increases the cost of teaching services. As students move into their junior and senior years, class size is smaller and more personal work on the part of the teacher is required.

School of Dentistry Leads Way in Search for Causes of Dental Cavities

By WILLIAM H. CRAWFORD
Dean, School of Dentistry

One of the most impressive sights on the University's great campus is the large clinic room in the School of Dentistry. This great room is 190 feet long and 44 feet deep and two stories high. The entire north side of the clinic is constructed of glass windows which provides ideal lighting for the many dental operations. On the main floor there are 128 dental operating units.

The clinic is in full operation from 9 to 12 and 2 to 5 each day except Saturday and Sunday. This is the place where, under the careful supervision of many well qualified dentists, the students gain their experience and learn to operate on patients. From the balcony at the rear of this room, it is an impressive sight to observe the efficient, systematic activity below. This is the main training ground of the many hundreds of dentists who have gone into practice in this state or who have otherwise taken up important positions in the dental profession.

One would not dare to begin to name the graduates of this school who have taken important parts in moulding the dental profession in this short article because the list would be far too long. In 1940 five of the thirty-eight dental school deans in the United States were graduates of this school. This was a unique record indeed and speaks well for the kind of teaching and discipline the students of this school obtain in the great clinic and of the preparation they receive in class rooms and laboratories earlier.

A minimum of four years are required to prepare a young man to begin actual work for patients. The first two years are taken in the Arts College where the student studies Chemistry, Physics, Zoology and English as required subjects and other electives. It is planned that these years will provide a foundation for the four-year dental course and a background of knowledge which will make the dentist a more understanding and useful citizen.



Looking up from his work is Dr. William David McBride, a fellow of the National Institute of Health. Assisting him is Rosemary Hoth, Dental Laboratory assistant.

The number of students who can be admitted to the dental school is limited to the size of the clinics and laboratories. One hundred students are admitted each Fall to the freshman dental class.

Once selected, the student begins a vigorous training from which only the strong, bright and skillful emerge. Caring for that part of the health of people which is assigned to dentistry is serious business and any student who is not ready or capable of accepting this responsibility is soon lost by the wayside. Basic medical science courses are conducted for the dental students by the medical faculty who impose the same standards of accomplishment for dental students as are expected of the medical students.

Dental students' first big purely dental problem is to learn the anatomy and physiology of the dental mechanism. This includes detailed knowledge of every surface, groove, ridge, cusp of every tooth, how and when they form and of what materials and from where these elements originate, how the teeth occlude and articulate with each other, how the powerful muscles of mastication control the varied movements of the lower jaw in the most complicated joint

in the human body, of the blood and nerve supply to the teeth and supporting bone tissue. Not only must he understand and know the whole complicated dental mechanism, but he must be able to reproduce it in aesthetic and functioning form when parts or all are lost through decay, loss of supporting tissues or accident.

In addition to a thorough understanding of the normal conditions, the dental student must understand bacteriology and pathology, general and special, because frequently oral disease is a manifestation of a general condition or a local problem may easily become a general one. The oral cavity is constantly inhabited by a great variety of pathogenic and non-pathogenic organisms and almost anything can happen any time depending on the health and resistance of the teeth and tissues.

All the phases of restorative dentistry must be mastered on models, manikins and extracted teeth before the student is introduced to the patient. The time was when dentistry devoted most of its attention to the purely restorative phases of dentistry but today over half the time of the first two years in dentistry is devoted to the study of anatomy, bacteriology, pathology, physiological chemistry

and physiology. These are exciting busy years for the student and not too long for the preparation he needs to operate on people even though it will be under competent supervision for two additional years. Many exciting things happen. For example, he learns how to cast an inlay. Though this may sound very simple, the procedure is very exacting and scientific and unique in that only one exactly like it is needed and it must fit the cavity for which it is made perfectly.

Much is demanded of the skill and knowledge of a dentist, most of which is probably not constantly realized by the patient. He is expected to be generally well educated and informed. But specifically, he is expected to be the doctor for the specialty of dentistry. Because the teeth are highly sensitive organs, the dentist is expected to have developed special skills in the use of anesthetics even to the degree that the anesthetic is administered painlessly and operation performed painlessly. Much also is expected of dental restorations in performance, durability and aesthetics. Few people realize that almost anyone can bite down on the small restorations made by a dentist with a force of several hundred pounds and few realize the highly corrosive environment in which the dentist's restoration must remain, an environment in which nature's teeth frequently do not survive even a small fraction of the span of life.

To help develop new materials which will safeguard the dentist's skill and to teach the students the best use of those materials now available, the dental school has established a new Dental Materials Laboratory. This laboratory is well equipped. An instrument which uses light waves as a "yardstick" is employed to measure the thermal expansion of teeth and filling materials and the dimensional changes which occur when filling materials harden in the teeth. Changes in dimension of the order of one millionth of an inch are measurable with this instrument. Improvements in the methods of producing better castings are a constant source of intense interest to dentists. In fact, it may be said here to the credit of dentistry in Minnesota that the dentists are so anxious to improve their service to the patients they serve that they voluntarily contributed well over \$30,000 this last year to the Minnesota Dental Foundation to be used for research

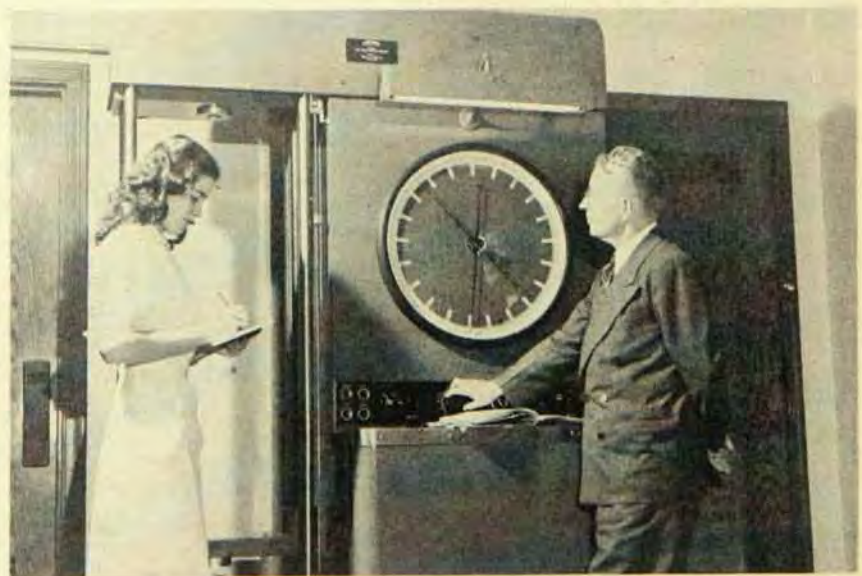
into the methods of prevention of dental diseases or any other worthy research project which will be helpful in improving dental service.

Dental specimens are very small and hence any equipment used to measure its physical, thermal or microscopic properties must be very sensitive. Important as developing improved technics and materials may be, dentistry's big job is preventive. The School of Dentistry's scientists have been active here on this front and its graduates who have gone to other institutions, there to engage in research, have contributed much toward the prevention of dental decay and the understanding of the diseases which affect the supporting tissues of the teeth.

It was just ten years ago that Armstrong and Brekhus published the results of their chemical analysis of sound and decayed teeth showing that enamel of sound teeth contained .0111% mean fluorine content, whereas carious teeth showed only .0069%. Stimulated by this discovery and by the results of investigations of the United States Public Health Service which revealed that the presence of optimal proportions of fluorine in the water supply reduced the incidence of dental decay approximately 50%, research on the effectiveness of fluorine as a means of reducing dental decay, flourished across the entire country.

In 1943, Armstrong and Knutson reported results on the topical application of fluorine which indicated that approximately 40% of caries in children could be prevented by the use of this element. Later results of the investigation of these workers and others have supported this early finding.

Authorities now agree that decay is caused by the solution of tooth structure by acids which are produced by the action of certain acid producing bacteria on sugar and starch in the presence of certain enzymes. If any one of these three factors is eliminated, the decay process will stop. It would appear that the lactobacillus is very important in this process since it is found in large numbers in the saliva of people susceptible to decay and is missing in those who are resistant to decay. Because of the well accepted use of the numbers of lactobacilli in the saliva as an index of decay activity, the dental school has set up a laboratory for the specific use of determining the number of these organisms in a sample of saliva. With this knowledge, the diet may be adjusted so as to eliminate the sugar and hence the food that is used by the bacteria to produce acid breaks the chain of events required to produce decay and the process is arrested. At the same time, the lactobacilli will disappear. This has been found to be a very effective method of reducing dental decay. The laboratory is avail-



Seen testing the strength of dental materials is Dr. William H. Crawford, Dean of the School of Dentistry. Here with the help of a Dental Laboratory assistant he tests the strength of materials used for dental fillings.

able for research projects where a knowledge of lactobacilli activity is needed and for use by the dental profession as a service in helping them combat decay in their patients.

During the last two years of the dental student's training he is exposed to the application of all the knowledge and skills he has learned in his pre-clinical years by actually conducting a practice with patients in the great clinic under the careful supervision of exceptionally well qualified dentists and teachers. The dental needs of many patients are cared for through the facilities provided by the state to train its practitioners of dentistry. New emphasis is being placed on preventive methods. The school not only offers courses to undergraduates, but offers a wide variety of post-graduate courses for continuing education. An active graduate program is in operation where young dentists are preparing themselves for careers of research and teaching. This is most important since it is through research and discovery that the ills which beset people will be understood and prevented. The dental school at Minnesota has contributed much toward the prevention of dental disease and toward the up-building of dental service. Its outstanding achievements toward these goals, no doubt, result from the environment in which it finds itself—an integral part of a great University which sponsors these activities on all fronts.

WILLIAM H. CRAWFORD, *Dean.*

College of Education Works to Ease Acute Teacher Shortage

By WILLIAM J. MICHEELS

Associate Professor, College of Education

Have your children been victims of the acute teacher shortage? What kind of schools do you want in your community? . . . Many questions of this nature are being asked by more and more people in more and more communities. Such queries point up a vital problem of the utmost significance for each of us. There is a growing awareness of the educational crisis that is already here. We need better teachers. We need better schools.

Perhaps you are thinking that something should be done. Many things *are* being done and in the vanguard as leaders are Dean W. E. Peik and Assistant Dean Marcia Edwards of the College of Education. Ranked as one of the top schools in the country for the preparation of teachers, the influence of the college and its staff is felt in many places and in many ways. With roughly 2500 undergraduates and graduate students it is one of the larger colleges on the campus. This figure does not include those freshmen and sophomores in S.L.A. and other colleges who will not be transferring to Education until the start of their junior year.

Need for Teachers Acute

As chairman of the National Education Association's Commission on Teacher Education and Professional Standards Dean Peik has taken a leading part in making the nation conscious of the serious shortage of qualified teachers. His Commission has underway a militant program for teacher recruitment and the improvement of standards. A determined effort is being made to interest the better students in teaching careers. Entrance standards should be raised. In the words of Dean Peik, "Our future citizens deserve the best teachers. We have a tremendous responsibility, not only for keeping standards high, but for encouraging and recruiting the highest type of student for the teaching profession. Here at Minnesota we are determined to meet the challenge before us. One immediate goal is to enroll 500 additional elementary teachers in the College who will be prepared to offer your children the highest type of service. The demand for such teachers (over 2,000 vacancies per year) is presently ten times as great as the supply of graduates in

THE MINNESOTA
ALUMNI ASSOCIATION
AND THE
MINNESOTA ALUMNUS
WISH YOU ALL
A
MERRY CHRISTMAS
AND A
HAPPY NEW YEAR



Shown in the process of testing Phylis Scott, left, is Donald Sydow, student tester. Watching this procedure is Dr. H. A. Delp, Director of the Child Study Center.

this state. We need the help of all in accomplishing this vital task."

Physical Facilities Inadequate

Administrative offices of the college are located in renovated quarters on the second floor of Burton Hall, the old administration and library building. The various departments are scattered in a dozen different buildings on the campus. Many alumni will remember that talk had started thirty years ago for a new College of Education building. The project has been in the blueprint stage on various occasions. More recently school administrators of the state have been insisting that the University should construct an "Education Building" that will serve as a model for the state and "do justice to the important place that education plays in the affairs of our state." A concerted effort is now underway looking toward the realization of this dream in the immediate future.

Child Study Center Added

The newest addition to the College is the Child Study Center, located in the reconditioned basement of Pattee Hall, the old Law Building. Dr. Harold A. Delp is the director of the center which will provide service to Minnesota children who have "educational problems," train teachers to assist in handling exceptional children, and do research on various educational problems. Since last Spring 3,000 teachers and student teachers have observed clinical demonstrations in the specially equipped rooms and booths which are constructed so that the children do not know they are being observed. Reading difficulties, partial deafness, emotional disturbances—these are the types of problems handled in the center.

Educational Research

The Office of Educational Research, a University Department, carries on many studies related to educational problems in the State. A recent research has been to make an objective appraisal of Minnesota's needs in higher education. The findings of this inquiry will soon be made known to all citizens in the state. Our University is famed for its research and research workers. There is a constant, nation-wide demand for educational research people trained at



Phyllis Johnson, left, receives placement recommendations from Dr. Ralph R. Reeder, center, associate director of Bureau of Recommendations and Dr. Willis R. Dugan, right, director of Student Personnel, College of Education.

Minnesota. This is the department which helps to coordinate and encourage the many research activities carried on in the College. Dr. Ruth Eckert, director of the office, is also professor of higher education, a new field of concentration that is already enlarging the reputation of Minnesota. Many advanced students from other colleges on the campus are enrolled for work in the department.

Another service enterprise is the Bureau of Field Studies and Surveys headed by Dr. M. G. Neale and Associate Director, Otto E. Domian. With their laboratory and staff facilities they assist school districts of the state in the evaluation and improvement of educational programs. At the present time surveys are about to begin in three Minnesota cities—surveys which will aid the communities in formulating educational plans on a sound basis.

College Has Circuit Staff

In any given week one or more members of the staff will be found out in the state, working with school administrators, meeting with teachers groups, conducting conferences or talking at community gatherings. One of the most interesting of these activities is the "circuit teacher" idea, wherein the College goes out to its students, usually teachers in five or six different communities. During the

week a staff member will spend a day in each community working with the teachers and conducting an organized afternoon or evening class that is taken for credit. The next week another staff member makes the circuit, working on problems in his special field. In this way local school activities can be made the focal point for class discussions and teachers in service are aided in their efforts to improve the work of their schools.

Industry Benefits

A glimpse into another type of off-campus service offered by the College is provided by reviewing a typical week's itinerary of H. D. Widdowson, Associate Professor of Industrial Education. On Monday he was teaching campus undergraduate classes in industrial education. Tuesday morning found him at the Lake Street Plant of the Minneapolis Moline Co. working with their foremen on training problems; in the afternoon he shifted to the Hopkins plant. On Wednesday he was conducting a conference of personnel officials at the Northwest Terminal in Minneapolis. Thursday was the regular day for his visit to Austin to conduct a teacher-training class for vocational teachers in that city and on Friday a similar meeting was held in Minneapolis for part-time instructors. On Saturday he was back on the campus for his weekly class in "Coordination."

Students Learn Duties

An interesting development in classwork is found in the "Introduction to Teaching" courses taken by all students in the College. Various staff members meet with the total group (about 500) in discussing all phases of education. Smaller study groups (30-40) then meet for four hours each week with much of the time spent on and off campus in observing teachers and students, in studying the community, in handling case work problems, in visiting Parent-Teacher meetings and in similar activities. The intent of this approach is to make these future teachers aware of the numerous possibilities and responsibilities that will confront them on the job. This cannot be accomplished by confining the teaching to a classroom.

Services of Staff Sought

Constant requests are being made for the services of staff members in the foreign countries occupied by our government. Not many of these requests can be granted although the College has endeavored to cooperate as fully as possible. Dr. Leo J. Brueckner has just returned from a year's stay in Germany where he was in charge of Instructional Reform of the Elementary and Secondary Schools of Germany. Drs. Homer J. Smith, G. Lester Anderson, and Miles

Cary have spent shorter periods of time in Europe as consultants. Dr. M. G. Neale, professor of educational administration served in Korea as an educational adviser and Dr. Clara Brown Arne is soon to leave for Japan in a similar capacity.

Lack of Space a Handicap

The greatest problem presently confronting the College is the excessive crowding and lack of space for carrying out an expanded program of student teaching, research, clinical activities and demonstrations. This is particularly true of University High School which is a "hand me down" building with none of the ordinary conveniences found in a modern high school. A demonstration elementary school is being developed grade by grade with the first two units now located in "made over" space in Pattee Hall. In spite of inadequate, crowded facilities, visitors to these schools can observe a variety of experimental projects and expert teaching being carried forward. Typical of the researches are the following: a group of mathematic students learning to use a slide rule with the help of motion pictures; a social studies class using current magazines and newspapers as textbooks; fused courses in mathematics and science or English and social studies; practical studies aimed at helping students learn to read widely,

to discuss critically and to write effectively. Such projects help to evaluate the effectiveness of new methods and techniques. Such activities help to point the way to better teaching in the schools of the state and the nation.

Excellence of Staff Noted

Space does not permit a detailed description of the many types of graduate work carried on in the College, and the numerous other contributions being made by individual staff members. Dora V. Smith in English, Edgar Wesley in Social Studies and History, Palmer Johnson in Statistical Research Techniques, Leo Brueckner in Arithmetic, Walter Cook in Testing, Homer J. Smith in Industrial Education, Gilbert Wrenn in Student Personnel Work, John Anderson in Pre-school Education, Clara Brown Arne in Home Economics Education, Charles Boardman and Nelson Bossing in Secondary Education—this is but a partial list of the nationally known staff members whose teaching, research and service have made Minnesota the MECCA for educational scholars from all over the country and from foreign lands.

That Minnesota is an excellent "spring board" and "proving ground" is shown by listing a few of the former students or staff members who now hold strategic positions in many localities:

Alvin Eurich is the newly elected President of the New York State University System.

George Selke is President of the University of Montana.

Ernest Melby is Dean of Education at New York University.

William S. Carlson is President of the University of Delaware.

Harold Benjamin is Dean of Education at Maryland University.

Harl Douglass is Dean of Education at Colorado University.

Henry Harmon is President of Drake University.

Many additional names and accomplishments could be listed as evidences of the training and services provided by the College of Education. In the years ahead its influence will become even more widespread; its graduates will make still broader contributions. When the College of Education Building becomes a reality it

Seen below is a candid view of Ph.D. oral examination for Jack Shaw, center. Left to right are: Assistant Dean Marcia Edwards, Dean Peik, Shaw, C. Gilbert Wrenn and Donald G. Patterson. All are from the College of Education.



will provide space for more and better clinical facilities, demonstration rooms, research laboratories and library accommodations. Most important of all, it will bring together the widely scattered activities that now make difficult the necessary student faculty contacts that are so vital in the preparation of better teachers.

What's General College Doing Now?

By DEAN HORACE T. MORSE

To many alumni, the term "General College of the University" means little more than "Oh yes, that's that two year college, isn't it?" Sometimes the uninformed give it a less flattering name.

But what exactly does it do? And who are the students who attend it? Let's get down to cases.

Robert Thompson who planned to be an engineer. It seemed to be the most natural thing in the world, and nobody in the family questioned it, least of all Robert himself. His uncle owned a small manufacturing concern, and having no son of his own to carry on, he promised Robert a job and an eventual interest in the business as soon as he got his engineering degree. Robert's father was a small businessman who had never gone to college. But he wanted Robert to have the advantages he had never had, just as you and I want for our own youngsters.

So Robert came from an upstate town and enrolled in an engineering program at the University. Everything looked as if it were going to work out according to plan. But there was just one thing wrong—Robert didn't like engineering. If he had taken any kind of a vocational interest test, it would also have been pretty clear that he wasn't even remotely interested in engineering.

At the end of his first quarter he had three D's and a couple of flunks. At the end of the second quarter he had a few more D's, and a few more flunks. He also had a drop notice from the Students' Work Committee of the Institute of Technology.

In most universities, that would have been the end of college for our friend Robert. A failure, his job future gone, bewildered, embittered by his unsuccessful experience, he might have left college with the empty feel-

ing that he just didn't have what it takes, that everything was all wrong, that he had failed himself and his family, and that nobody was interested in him and his problem. His particular world had gone smash!

But Robert wanted to stay in college, and at the University of Minnesota there was still a way in which he could do so. He applied for transfer to the General College. He met with a "transfer-in committee" of the faculty, and unasily explained his difficulties and his unhappy record in the engineering program. The committee members asked questions. Did Robert want to try to get back into engineering? No, he had enough of that, but he didn't know what else he ought to do. Were there any particular courses in the General College he thought he might want? Yes, the course in Practical Application of Psychology sounded interesting. He liked people. He was interested in why we behave the way we do. He thought maybe he should try to prepare for some kind of work which involved contacts with people. Did the committee know of any way he could find out if he had that particular kind of interest and aptitude? Did they know how he might find out more about his suitability for particular types of vocations? They did. They recommended a battery of tests at the Student Counseling Bureau, and enrolled him as part of his program in a course in Vocational Orientation.

No magic happened. Robert didn't turn into a scholar overnight. He still didn't do too well in his course work, although he now got C's instead of D's and F's. But he was beginning to see the direction he wanted to go. What was at first a vague interest in personnel psychology began to crystallize. Then came the war, with its countless tragedies, and its successes. Robert was one of the successes. He was promoted from enlisted man in the Navy to Lieutenant j.g. without going to officer candidate school, which I am told is no mean feat. It evidently confirms the fact that all the time Robert had what it takes, but it just hadn't been brought out yet.

When he returned from service on the GI bill, Robert knew what he wanted, and he went after it. His General College record for the next two quarters was almost a straight A average. By maintaining a high average he was then able to transfer to

S.L.A. (with full credit and advanced standing for the courses he had taken in G.C., incidentally). Two years later Robert graduated from the Arts college *magna cum laude*. He then enrolled in the Graduate School, and is now on the way to becoming a successful vocational psychologist. Thus, two of the major purposes of the General College were realized in Robert, *rehabilitation* and *orientation*.

But only one student in five transfers from G.C. to a four-year college on the campus. What about the other four-fifths, the ones for whom the program was originally established?

George Windahl is perhaps a fairly typical example. He had always been interested in photography. He wasn't particularly academic minded and got poor marks in high school. His academic aptitude tests indicated that he wasn't going to set the world on fire intellectually—that he wasn't a potential Phi Beta Kappa. But he represented the average middle class of the population, "the people," about whom the politicians talk. George thought maybe he wanted to be an architect, and so applied for admission to the Institute of Technology. But he did not meet the requirements and was informed he was eligible for the General College only, if he wished to attend the University. He did. He found to his satisfaction that he could take a course in photography in the G.C. and could get other courses in psychology, mathematics of business, oral communication, and business writing which would prepare him for a business career in photography. His course work was fairly good, because he was serious minded and well motivated, but it didn't come up to the B average required for transfer, if he wanted to transfer.

George got a lot out of his General College work because he felt he was getting a lot out of it. There's a world of difference between the student who goes at his college program positively and the one who goes at it negatively "because he couldn't get in the right college." The Army picked George up just after he finished his two year degree, associate in arts. His photographic skills and his general background were sufficient to get him a special technical assignment, and he had a chance to use his college education immediately. The other day I saw a picture of George in the local paper. It showed George and his wife

and little girl, all three of whom had just returned from the occupation area in Germany, where George had been attached as a civilian "technical expert."

I have seen George fairly recently, and a lot of other Georges, and Susies, and Johnnies, and Helens. And most of them say just about the same thing. "You know, I felt pretty badly when I was referred to the General College, because I didn't know what it could do for me. But it was that or no college for me. And am I ever glad I went! I realize more all the time what a lot I got out of it." George's case and that of the other four-fifths, shows the purpose of the G.C. in providing a *terminal education* and a *general education*.

What do we mean by terminal general education? First off, the courses are designed to be complete in themselves; they are not designed primarily to be introductory to more specialized courses in the senior college or a professional school. Thus they are broad in scope, emphasizing understanding of the meaning of content and basic principles in the field. Each instructor must ask himself "What does this mean to these students—here and now, not two or three years from now?" He plans his course content accordingly. If a student takes a course in Human Biology, he learns about man's place in the world of living organisms, how the human machine operates, how it becomes more efficient through better health care, better nutrition, and related topics in public health.

Secondly, some courses cut across traditional subject matter lines, and organize their content around common human activities. Home life orientation is such a course, which draws from psychology, sociology, child welfare, biology, consumer economics, interior decoration and related arts. Its primary purpose is to prepare the Georges and the Helens for effective and well adjusted family living. Some amateur psychologists may tell you that people don't need any preparation for marriage and bringing up children. It all comes naturally, "by instinct." But the divorce rate statistics don't support that point of view. The child delinquency situation confutes it. Psychiatric records—and the private and unrecorded maladjustments of thousands of others—deny it. And the real psychologists say it



Shown here is a typical scene from the Art Laboratory in General College. Students are free to do the type of work which will best represent their capabilities.

isn't so. Maybe a course in marriage and family living won't guarantee a happy marriage, or prevent an unhappy one in every case. But realistic preparation through understanding of the problems of marriage and an intelligent and practical attitude toward them will help if anything will.

Thirdly, the wholeness of living is stressed. Relationships between fields of knowledge are pointed up. Some students who are exposed to modern art systematically for the first time in a course in General Arts may hastily conclude that artists are just crazy, anyway, and that "anybody could paint that kind of stuff." But they may discover in their Literature Today course that there is a fringe of experimenters in the field of writing also, a James Joyce or a Gertrude Stein. They will learn if they take a course in Music Today that some musicians are doing the same sort of thing in that field. Now they might possibly conclude that everybody is crazy, and let it go at that. But instead they may see that there is a direct relationship to such movements in all the fields—an experimentalism, a breaking away from tradition, a groping for new patterns.

One of the most distinctive features about the General College courses is that they are flexible, changing to meet new conditions and new needs. The college has been described by some observers—of which there have

been many—as an educational pilot plant. If some staff member from the arts college, for instance, has an idea for a course which might be suitable at the lower division level, he may wish to try it out in the General College, which is freer for such experimentation. Many courses now adapted to other colleges on the campus were first tried out in the General College in just that way. At the present time we are also developing experimentally some technical occupational courses to be built up into vocational sequences with supporting general education courses. We have such two-year sequences, for example, in Retailing and Selling, Child Care, General Clerical, Business Contact, and Small Business Operation. The latest addition has been a program, enthusiastically endorsed by air line officials, for training Air Hostesses.

"And then," our students will tell you with a deep sigh, "there are the comprehensive examinations!" And indeed there are. The G. C. faculty has developed a series of broad-type examinations covering what we consider to be the major outcomes of our entire program of general education. Each examination is administered in three parts, one half-day for each part, or a total testing time of from nine to twelve hours.

These exams give us a profile of the educational growth of each student in a way nothing else could. He



Dean Athelstan Spilhaus, center, was honored recently at a reception given by the alumni of the Institute of Technology. Shaking hands with President Morrill, left, is Dean Rogers of the College of Pharmacy.

takes one form of the general comp on admission, another at the first year, and a third form at the end of the second year. Thus we have a complete educational profile in addition to his marks in his separate courses. And for the student, the relatedness of knowledge is again stressed. The results of the first and second administrations are of course invaluable in program planning—in pointing out to the student his strengths and weaknesses, and helping him to plan his program more intelligently.

You may have heard of President Truman's Commission on Higher Education, which made a series of extremely important recommendations last year. Among other proposals, the Commission vigorously supported the making of at least two years of public education beyond high school available to many more young people than at present. They also strongly endorsed the idea of general education, as well as terminal vocational curricula consisting of combined and integrated programs of technical and general studies. These are the things which the General College has been doing for some time, and which it is striving to continue and improve. Now that the President's Commission has gone on record as strongly favoring such programs, colleges and universities all over the country are concentrating attention on following along, particularly in developing courses in general education. Signifi-

cantly enough, many of them are sending representatives to Minnesota to see how one of the pioneers is handling the job.

You as alumni of the University can do a lot to help our young people get a good start. Suppose that you hear that the youngster of one of your friends is going to the University and has been "referred" to the General College. If you say to your friends, or worse still, to the youngster, "Oh, that's a tough break! Guess you won't get much out of going to the University," then you're just making it that much harder for us—and especially for that young person. We find that the students whose attitude is hostile to the General College (fortunately there are fewer such every year) frequently get their ideas from careless or uninformed adults, many of whom are alumni of the University. So if you really want to help these youngsters get the most out of their chance—usually their only chance—for a college education, give the idea a boost! Tell them and their parents to find out from someone who knows what the General College is for and what it's trying to do. Our experience is that when they understand it they will go into the program with a positive attitude towards it and get the most out of it. Our job is to see that these young people (of whom we have over 1500 this year) realize the most from their college opportunity.

Minnesota Alumni Clubs

Kansas City, Mo.

The Minnesota Alumni club of Kansas City held a dinner meeting on December 7 at which about 50 Minnesotans were present. Arrangements for the event were completed by a committee headed by the president of the club, Maurice Johnson '35, former Gopher football end, who is now vice president of the Staley Milling Company.

The other officers of this club, which was organized during the past year, are Harold E. Purdy '23, and Abbott Sher '42B, secretary, who presided during the dinner program. Following a report on current campus activities, Bill Gibson, alumni field secretary, showed movies of highlights of Minnesota's 1948 football season. Mr. Gibson was in Kansas City to speak at a regional conference of the American Alumni Council, national professional organization of college and university alumni executives. He is national president of the organization.

Madison, Wisconsin

Minnesota alumni in Madison, Wis., met at a dinner on November 19, the evening before the Minnesota-Wisconsin football game. About 50 were present to take part in the program which included a report from the Minnesota campus by Bill Gibson, alumni field secretary, and the showing of Minnesota football movies. With the president of the Minnesota Alumni club of Madison, Edwin C. O. Erickson '22E, presiding, it was a most interesting and enthusiastic occasion and plans were discussed for future program activities of the group. In addition to dinner meetings on various occasions throughout the school year the club sponsors a Minnesota picnic each summer.

Appleton, Wisconsin

The annual dinner meeting of the Minnesota Alumni club of the Fox River Valley was held at Appleton, Wis., on December 4. R. M. Billings '37IT, president of the group, presided. It was the eleventh annual meeting of the group of Minnesota alumni living in Appleton, Neenah, Menasha, and other Fox River Valley communities and one of the interest-

ing features of the dinner program was a historical sketch of the club presented by Howard B. Palmer '22E.

Present from the University of Minnesota were Edwin L. Haislet, director of alumni relations, who spoke on the youth conservation program developed in Minnesota, and Bill Gibson, alumni association field secretary, who reported on campus news and showed movies of the 1948 football season.

The dinner, held at the Emmanuel Lutheran Church in Appleton, was a skillfully arranged and most successful occasion, with a special welcome being extended to Minnesota alumni who have moved recently into the area. About 100 were present.

The following officers were elected for the coming year: Ira Caple '38IT, president; J. B. Fagot '40IT, vice president, and Herbert H. Gaustad '40IT, secretary-treasurer. Chairman of the nomination committee was Dean Anderson.

Des Moines, Iowa

An evening meeting of the Minnesota Alumni club of Des Moines was held on December 5 at the new and impressive Art Center in that city. About 80 alumni and guests were present in spite of inclement weather. Clyde Lighter '26, president of the club, presided. Bill Gibson, alumni field secretary, presented news from the campus and showed football movies of the 1948 Minnesota season.

Following the program, refreshments were served by a committee including Mrs. Clyde Lighter (Maxine Stewart '26), Mrs. Don Bostwick (Lucille Cremer '24), Mrs. Griffith Brogan (Caroline Cheney), and Mrs. Harris Golden.

The meeting served as an informal reunion for several alumni who were in school at Minnesota in the years from 1915 to 1920 including H. C. Hansen, center on the Gopher football teams of 1915 and 1916, Albert J. Robertson, Howard Reeve, Adolph F. Holm, Louis S. Kelehan and Mrs. Kelehan (Mary Hartney).

In addition to Mr. Lighter the officers of the Minnesota Alumni Club of Des Moines are Don Bostwick '25, vice president; Edw. A. Rolwes '29, treasurer, and Mrs. Rolwes (Lucille Munger '30D), secretary.

Schenectady, New York

The showing of motion pictures of Minnesota football games of the 1948

TECHNOLOGY DINNER

Dr. Athelstan F. Spilhaus, newly-appointed dean of Minnesota's Institute of Technology, was guest of honor and speaker at the annual dinner given the alumni association of the Institute in Coffman Union on November 22.

Arrangements for the occasion were made by Harry E. Gerrish '05E, president of the technical alumni group. The dinner was attended by several hundred alumni and staff members of the Institute of Technology. Mr. Gerrish presided.

season was a feature of the program at an evening meeting of the Minnesota Alumni club of Schenectady, N. Y., on November 30 at the Edison club. The club holds regular monthly luncheon meetings and the final luncheon of 1948 was held on December 7.

The officers of the club this year are Walter C. Bloomquist '32EE, '35B, president; Walter H. Schwedes '39EE, vice president; William F. Carter '44EE, secretary, and Roy J. Cowles '09L, treasurer.

Salt Lake City, Utah

Plans for the reorganization of the Minnesota Alumni club of Salt Lake City were made at a meeting of Minnesotans in that city on December 11. Arrangements for the meeting were made by R. H. Ashworth '11EE, vice president of the Utah Power & Light Company. The following officers were elected: Quintus C. Wilson '43Gr, president; Dr. Evert T. Swanson '29D, vice president; and H. O. Bowen '46IT, secretary. Mr. Wilson, former St. Paul newspaper man, is now chairman of the department of journalism at the University of Utah.

Present at the meeting from the campus was Bill Gibson, alumni association field secretary, who reported on current University news and showed motion pictures of Minnesota's 1948 football season. He was in Salt Lake City to speak at a regional conference of alumni association executives in colleges and universities in the Rocky mountain states area.

Cleveland, Ohio

More than 70 Minnesotans were present at an evening meeting sponsored by the Minnesota Alumni club of Cleveland, Ohio, at the Hotel Cleve-

land on December 1. Following a business session conducted by John J. Craig '16Mines, president, there was a report on current campus news and a showing of the motion pictures of Minnesota's 1948 football season by Bill Gibson, field secretary of the Minnesota Alumni Association.

At the business session, preliminary plans were discussed for future activities of the group including arrangements for trips to the Minnesota football games next fall at Ann Arbor, Columbus and Pittsburgh. Harry E. Connors, Jr. '43IT, was appointed chairman of a committee to make plans and handle details for the football-travel activities of the members of the club during the 1949 season.

New officers of the Cleveland club were elected at a dinner meeting on November 11. The officers are: John J. Craig '16Mines, president; Harry E. Brown '22E, vice president; Mrs. Harold O. Hayes (Frances Henderson '23), secretary, and Charles H. Hinman '24Arch, treasurer.

At this meeting, Mr. Craig gave an interesting talk on highlights of his recent business trips to England, Sweden and South America. He is an iron ore consultant with Arthur G. McKee & Company, engineers and contractors.

At the meeting on November 11 the club members adopted a brief constitution to govern the operation of the club and dues were set at one dollar a year.

Oklahoma City, Okla.

E. B. Pierce '04, who retired as alumni secretary last June, and Mrs. Pierce, are spending the winter in California and while on the way to that state they met with Minnesota alumni in Oklahoma City on November 30. The meeting was held at the Biltmore Hotel. Mr. Pierce discussed University affairs and showed pictures of Minnesota's 1948 football games.

Present were E. T. P. Ellingson '16 Mines, Dr. Richard M. Burke '30Md, and Mrs. Burke; Dr. Robert C. Lowe '33Md, Albertis Montgomery '19E, and Mrs. Montgomery (Marie C. Cheney '13); Robert H. Spahn '35, and Mrs. Spahn; Rollie B. Walter '12 Mines, Frank R. Edwards '08Mines, and Mrs. Edwards, and Paul H. Fesler, former superintendent of the University of Minnesota Hospitals, and now superintendent of the University of Oklahoma Hospitals in Oklahoma City.



The University Flying Club

By BUD F. JOHNSON '49

Early Sunday morning, November 21, planes were taking off from nearly every airport in the Twin City area to gather at the University of Minnesota airport.

This was the beginning of a "breakfast hop" by the University of Minnesota Flying Club of St. Cloud, Minnesota. Eleven airplanes, carrying twenty-seven persons, took off from the University airport at 9:30 a.m., and winged their way to breakfast at the St. Cloud airport cafe. On the return flight, some of the airplanes flew in formation and, of course, the camera fans took several pictures which will be entered in the club scrap book as a pictorial record of the flight.

In addition to mass flights such as the one to St. Cloud, the club also offers to its members free link training, reduced flying rates, and pilot ground school. The aeronautical department has given the club a club room in which many of the business meetings and social functions are held. The link trainer, also given by the aeronautical department, is located in the club room at the University airport.

The link trainer may be used for instrument flight training in which the student is taught to use radio and gyro instruments as reference while flying in weather which obscures the ground.

The Flying Club makes it possible for its members to obtain flight training at a rate three to four dollars cheaper per hour than can be obtained from any of the local flying schools. This flight training is carried

on in conjunction with the ground school, in which aerodynamics, theory of flight, flight safety, meteorology, and all other related subjects are offered. W. E. Kuechle and B. F. Johnson are the ground school instructors.

The chief purpose of the Flying Club is to interest and to aid all University of Minnesota students, faculty and alumni in all phases of aviation training and upon graduation many of these students will use their ability as pilots for both pleasure and business trips. They are convinced that the airplane is the safest, fastest, most comfortable and modern means of transportation. The air forces in World War II definitely established the adaptability of the airplane.

The Flying Club is quite successful in its operation despite lack of cooperation from airport and fixed-base operators. The federally financed G. I. flight training program has given the operators a volume of business and they have paid no attention to the civilian and the ordinary pilot. Many things in private aviation discourage the potential pilot from learning to fly well as being a great inconvenience and disappointment to people who are already pilots. Most operators exercise extremely poor customer relationship and the facilities and service in many cases is still worse. These conditions, in addition to high fuel, insurance and maintenance costs, are more than enough to discourage all but the most ardent believers in the future of private aviation.

Educating the pilot is only the beginning of the task of putting private flying in the plane to which it right-

fully belongs. Airport and fixed-base operators must also be educated and have their eyes opened to the needs and desires of the people who support their businesses. If these operators want to stay in business, they will have to start offering more to the pilot. By not realizing their shortcomings, the operators are one of the greatest hindrances to the advancement of private aviation. They must offer courteous, efficient service, good inexpensive ground transportation for transient pilots, good food, clean rest rooms, hangars, good tie down facilities and flat rate charges for repairs. Only those operators who offer these services will retire from the business because of old age.

Another vital necessity to the advancement of aviation is the construction of runway strips in or near towns and communities. This would make the shopping districts much closer to the pilot by eliminating unnecessary ground travel. Close-in runway strip construction is being opposed by many people but this objection may be removed gradually as science advances and designs quieter airplanes. However, the public in general must be shown the advantages and conveniences of aviation.

At present, industry, farming and ranching comprise the major airplane market, but they will be only another contributing factor when the operators and the public have been educated in the value and benefits of private aviation. Then companies will own fleets of airplanes much as they own fleets of automobiles at present. A family plane will be as common as the family car. The automobile will be used only in the city and on rare occasions when the weather makes it impossible to fly. There are few days out of the year when the weather will keep the airplane on the ground.

Private aviation, however, does have a promising future. All that is needed is an organization or a few far-seeing men to bring these faults and hindrances out in the light and hand them, along with antidotes, to the persons concerned. This is what the University of Minnesota Flying Club, with its limited audience, is trying to do. The club hopes that its members will continue to fight for the future of aviation after they have gone out to take their place in the passing parade.

Notes

Basketball

IN THE first five games on the Minnesota basketball schedule in December, the Gophers, under their new coach, Ozzie Cowles, defeated Western Illinois State College, Nebraska, DePaul of Chicago, Navy, and St. Mary's College of California. Feature of the early games was the shoot-and-all-around play of veteran Jim McIntyre of Minneapolis and sophomore Whitey Skog of Brainerd.

For the first game away from home with DePaul in Chicago, Coach Ozzie Cowles names the following men to his traveling basketball squad: Jim McIntyre, Bud Grant, Whitey Skog, Harold Olson, Tom Bergstedt, Wally Salovich, Jerry Mitchell, Elmer Salovich, Frank Lansing, Dave Skrien, Jerry Ekberg, Bill Kranz and Jim Stark. Four of these men, Grant, Mitchell, Skrien and Ekberg, were letterwinners in football this past fall.

Football Schedule

The football relationship between Minnesota and Nebraska which has produced many thrilling games down through the years will be continued through 1953. The Gophers will play at Lincoln next fall. During the war years the football fortunes of the Cornhuskers reached a low point and the Nebraskans are now in the rebuilding stage.

Athletic Director Patsy Clark has announced at Lincoln that a new head gridiron coach is now being sought. He handled the head coaching duties during the past season. Nebraska is a member of the Big Seven conference. The first Minnesota-Nebraska game was played in 1900.

There is a possibility that a game with the University of California will be added to the Minnesota football schedule in 1951 or 1952.

Honored

Charles P. Berkey '92; '97Gr, was honored recently as the first recipient of the Kemp Medal which is to be given annually by Columbia University. The presentation was made by President Dwight D. Eisenhower of Columbia at a meeting attended by leaders in industry and science in New York City.

Dr. Berkey is Newberry Professor Emeritus of Geology at Columbia and in spite of his 81 years he is active as consultant for the New York City Board of Water Supply. He contributed to the development of the Croton and Catskill water systems and the Delaware aquaduct project. His counsel was also sought and used in such engineering projects as the building of the George Washington Bridge, Lincoln Tunnel, Grand Coulee Dam and the St. Lawrence Waterway.

At commencement exercises in June, 1940, the honorary degree, doctor of science, was conferred upon Dr. Berkey by the University of Minnesota.

Aviation Pioneer

Among the members of the exclusive group of aviation pioneers, the Early Birds, who were present in Washington, D. C., in December to see the Wright brothers' first flying machine deposited in the Smithso-

nian Institute was Ralph H. Upson, professor of aeronautical engineering at Minnesota.

Professor Upson became a glider pilot in 1909, just six years after the historic Wright flight at Kitty Hawk and then he became a lighter-than-air pioneer. In 1913 he won both the American national balloon race and, in France, the James Gordon Bennett international trophy race.

Studies British Schools

Back on the campus in time for Christmas was T. Raymond McConnell, dean of the College of Science, Literature, and the Arts, following a five-month tour of European universities. Most of his time abroad was spent in 12 British universities, studying their educational program. He also visited schools in the Netherlands, Belgium, France and Italy. Later he will write a report on his trip for the Carnegie Foundation which sponsored the study.

Directors Vote By-law Changes

AS A result of official action taken by the directors of the alumni association, the organized program of alumni activity of the association will now be conducted under the name of The Minnesota Alumni Association, a Minnesota corporation. Until this action was taken there were two associations having identical officers and directors; the General Alumni Association, the operating organization, and The Minnesota Alumni Association, a corporation, which held the funds received in payment of life subscriptions to the alumni magazine. This life subscription fund now totals approximately \$102,000.

On succeeding pages are the minutes of the meetings at which the actions were taken to bring about the change in name and general organization. The former officers will continue as the officers of The Minnesota Alumni Association until an election under the provisions of the new by-laws is held next spring. Two new elective offices were established: second vice president, and secretary. Elected by the directors to these offices were Rewey Belle Inglis '08, vice-president, and Ben W. Palmer

'11; '13L, secretary. The board of directors of The Minnesota Alumni Association consists of 21 members. The directors will be elected by the membership.

Minutes of a special meeting of the board of directors of the General Alumni Association and the Minnesota Alumni Association (identical officers and directors), August 12, 1948, at 12:15 P.M. at the Minneapolis Athletic Club, Minneapolis, Minnesota.

Members present: Arthur R. Hustad, chairman, Dr. W. H. Aurand, Russell Backstrom, Dr. W. F. Braasch, Lillian Mayer Fink, Harry Gerrish, Roger Harris, Rewey Belle Inglis, Judge Paul Jaroscak, Dr. B. H. Kerr, Arthur O. Lampland, Truman Nodland, Ben W. Palmer, George Pond, Orren E. Safford, Louis M. Schaller, Arnulf Ueland, Edgar F. Zelle, and William S. Gibson, secretary.

Members absent: P. O. Anderson, Dr. H. Benjamin, C. Blume, Dr. A. E. Brown, Dr. W. L. Burnap, Arthur B. Fruen, Dr. Douglas Head, C. F. Keyes, R. E. Kyle, C. V. Netz, A. C. Oss, W. H. Parker, Mary Sheppardson, Dr. L. W. Thom, Frank Tupa, and T. F. Wallace.

The meeting was called to order at 12:30 by Chairman A. R. Hustad. The purpose of the meeting was to consider and take action on the proposed amendments to the Certificate of Incorporation of The Min-

nesota Alumni Association as recommended by the committee on revision of the constitution of which Mr. Ben W. Palmer is chairman.

The committee submitted proposals designed to accomplish the recommendation made by the board at the annual meeting on October 21, 1947, that the General Alumni Association, unincorporated, and The Minnesota Alumni Association, a corporation, having identical officers and directors, be merged and that the activities of the two associations be combined and be conducted under the name of The Minnesota Alumni Association, a corporation.

Mr. Palmer explained the background of the organization of the two associations and cited the reason why it was desirable to operate as a corporation. There was considerable discussion of several points in the proposed amendments, especially the one relating to the size of the board of directors. For several years the board has had thirty-five (35) members while an amendment provides for a board of twenty-one (21) members and with all members to be elected at large rather than as direct representatives of the various colleges or schools of the University.

Motion by Mr. Safford, seconded by Mr. Gerrish that Article II of the Certificate of Incorporation of The Minnesota Alumni Association be amended to read as follows:

Article II. Any person may become a member of this corporation in accordance with terms and conditions of membership specified in the by-laws. The amount of yearly contributions required of members shall be fixed by the by-laws, except that life members may be excepted from further contributions of the corporation if so provided by the by-laws. Annual contributions shall not be less than \$1.00 per year nor more than \$10.00 per year. In lieu of annual payments fixed by the by-laws, subscribers to the official Alumni publication may, if so provided in the by-laws, be members of the Association.

Motion carried by unanimous vote.

Motion by Mr. Ueland, seconded by Mr. Zelle that Article IV of the Certificate of Incorporation of The Minnesota Alumni Association be amended to read as follows:

Article IV. The business of this corporation and the management of its affairs shall be vested in a board of directors consisting of twenty-one (21) members, elected by the members of the corporation in accordance with its by-laws, which may provide for the filling of vacancies in the board by the members thereof. The board of directors shall have authority to adopt by-laws. The officers of the corporation shall be elected by the directors at the annual meeting of the directors held at such time and place as may be provided for or designated in the by-laws. The officers of the corporation shall consist of a President, a First Vice President, a Second Vice President, a Secretary, and a Treasurer, or a Secretary-Treasurer.

Motion carried by unanimous vote.

Motion by Mr. Safford, seconded by Mr. Nodland that the first board of directors of the Association to take office upon the

MEMBERSHIP

Under the provisions of the new by-laws of The Minnesota Alumni Association all paid subscribers to the Minnesota Alumnus become members of the association. In the past there were no annual memberships in the alumni association and only those holding life memberships had voting privileges in the organization. The first general election of directors under the new provision will be held this coming spring and ballots will be provided to all annual members and life members of the association. The procedure for making nominations is stated in Article II of the by-laws.

filing of these amendments with the Secretary of State of Minnesota be the eighteen (18) members present at the meeting plus three others to be appointed from the members not present, namely:

Dr. W. H. Aurand, Russell Backstrom, Dr. Wm. F. Braasch, Lillian Mayer Fink, Harry Gerrish, Roger Harris, Arthur R. Hustad, Rewey Belle Inglis, Judge Paul Jaroscaak, Dr. Bert H. Kerr, Arthur O. Lampland, Truman Nodland, Ben W. Palmer, George Pond, Orren E. Safford, Louis M. Schaller, Arnulf Ueland, Edgar F. Zelle, Clarence Blume, Charles V. Netz, Frank J. Tupa.

Motion carried by unanimous vote.

This action was taken to expedite the filing of the amendments with the Secretary of State and to clear the way for immediate consideration and adoption of by-laws.

Motion by Mr. Harris, seconded by Dr. Braasch that the president and secretary of this corporation, which has no corporate seal, be and they are hereby authorized and directed to execute, acknowledge, and file with the Secretary of State of Minnesota a certificate of amendment of the Certificate of Incorporation of this corporation, setting forth the foregoing amendments.

Motion carried by unanimous vote.

On motion, meeting adjourned.

William S. Gibson, Secretary

Minutes of a special meeting of the executive committee of the board of directors of the General Alumni Association, July 22, 1948.

Minutes of a special meeting of the executive committee of the Board of Directors of the General Alumni Association, July 22, 1948, Minneapolis Athletic Club. Present: Arthur R. Hustad, chairman, Arnulf Ueland, Ben W. Palmer, Edgar F. Zelle,

Harry E. Gerrish and William S. Gibson, Secretary.

Motion by Mr. Palmer, seconded by Mr. Gerrish that St. Anthony Falls Office of the First National Bank of Minneapolis be designated as the depository for the checking account of the association under the name of the Minnesota Alumnus, General Alumni Association, publisher, and that William S. Gibson, as secretary, be authorized to sign checks written on that account. (Before July 1, 1948, the account was carried in the name of the Minnesota Alumni Weekly in the St. Anthony Falls Office of the First National Bank of Minneapolis.)

Motion by Mr. Palmer, seconded by Mr. Gerrish that the secretary and business manager, William S. Gibson, be bonded in the amount of \$5,000, with the premium to be paid by the association. Motion carried.

Minutes of a special meeting of the board of directors of the General Alumni Association, July 22, 1948.

Minutes of a special meeting of the board of directors of the General Alumni Association, July 22, 1948, Minneapolis Athletic Club. Members present: Arthur R. Hustad, chairman, Arnulf Ueland, Ben W. Palmer, Edgar F. Zelle, Harry E. Gerrish, Dr. W. H. Aurand, Dr. W. L. Burnap, Mrs. Lillian Mayer Fink, Arthur B. Fruen, Roger S. Harris, Miss Rewey Belle Inglis, Judge Paul Jaroscaak, Arnold C. Oss, Orren E. Safford, Louis M. Schaller and William S. Gibson, secretary.

Following a brief discussion of the proposal that the time of the Homecoming meeting of the state-wide Alumni Advisory committee of the Association be changed from Friday noon to Saturday noon, it was moved by Mr. Safford and seconded by Mr. Ueland that President Hustad appoint a committee to study the advisory committee program and to report back to the board. Motion carried.

A preliminary statement on the income and expenditures of the association during the fiscal year ending June 30, 1948, was presented by Mr. Gibson, business manager. A complete financial report will be issued following the auditing of the books of the Association. Motion by Mr. Ueland, seconded by Mr. Zelle that Mr. Gibson be commended for his handling of the business operations of the association during the 1947-48 year. Motion carried.

Motion by Mr. Safford, seconded by Mr. Oss that the executive committee constitute a committee to study and make recommendations as to the status in the association to be given those who were graduated from the Duluth branch of the University of Minnesota. Motion carried.

Mr. Palmer, chairman of the committee on the revision of the constitution of the association, requested that a special meeting of the board of directors be called at an early date, at which a quorum will be necessary, to discuss and take action on the recommendations submitted by this committee. President Hustad called the meeting for August 12 at 12:15 p.m. in the Minneapolis Athletic Club.

The matter of adding a member to the association office staff to assist in the production of the Minnesota Alumnus was referred to the executive committee for study.

Mr. Gibson outlined briefly some proposed plans for the expanded activity program of the association during the coming year and reported that specific development work in the following phases of the program has been initiated in July: (1) a state-wide alumni club organization in Minnesota; (2) promotion of alumni clubs outside Minnesota; (3) circulation campaign for the Minnesota Alumnus; (4) the 1948 football pictures project, designed to supplement and further the alumni club organization program in Minnesota; (5) the preparation of correct-address directories of Minnesota alumni in the larger cities throughout the United States for use in the alumni office and also for the use of the

officers of the Minnesota alumni clubs to be activated in the various cities; (6) definite plans have been started for Minnesota alumni meetings in several cities in the Pacific Northwest at the time of the Minnesota-Washington football game in Seattle in September.

As president of the American Alumni Council during the coming year (professional society of college alumni executives in the United States and Canada), Mr. Gibson said that he would be called upon to make addresses at several points throughout the country and requested permission of the board to make such commitments. The expenses of such trips will be paid by the national organization. He said that on such trips he would arrange and attend meetings of Minnesota alumni in the areas visited.

On motion, meeting adjourned.

William S. Gibson, Secretary

By-laws of The Minnesota Alumni Association

Minutes of a special meeting of the Board of Directors of the Minnesota Alumni Association, a Minnesota corporation, on September 9, 1948, at the Minneapolis Athletic Club.

A special meeting of the Board of Directors of The Minnesota Alumni Association, a Minnesota corporation, was duly held at the Minneapolis Athletic Club at six o'clock, September 9, 1948, pursuant to the following notice mailed to all members of the Board on August 25, 1948:

"Notice is hereby given that a special meeting of the board of directors of The Minnesota Alumni Association, a Minnesota corporation, will be held on the ninth day of September, 1948, at 6:00 p.m., at Minneapolis Athletic Club, for the purpose of: (1) Electing officers of said corporation to hold office until the election of a new board of directors of said corporation and the election of new officers. (2) To adopt by-laws to govern the affairs of said corporation. (3) To accept in behalf of said corporation a transfer of all the assets, the assumption of all liabilities, if any, and the conduct of the affairs of the General Alumni Association of the University of Minnesota, an unincorporated association. (4) To adopt such resolutions as the said board may deem advisable and to transact any other business as may come before said board."

(Signed) WILLIAM S. GIBSON, Secretary.

The following members of the board were present: Dr. W. H. Aurand, Russell Backstrom, Clarence Bume, Mrs. Leo Fink, A. R. Hustad, Arthur Lampland, Charles Netz, Ben Palmer, George Pond, Orren E. Safford, Louis Schaller, Edgar F. Zelle, and William S. Gibson, secretary, the same constituting a quorum.

The meeting was called to order by the president of the corporation, Arthur R. Hustad. Upon motion duly made and seconded the following resolution was unanimously adopted:

BE IT RESOLVED, that the Minnesota Alumni Association, a Minnesota corporation, does hereby accept a transfer of the property and assets of the General Alumni Association of the University of Minnesota and hereby assumes all the obligations and contracts of said unincorporated association, the intent and purpose of this resolution to be to make The Minnesota Alumni Association the successor to the General Alumni Association of the University of Minnesota, an unincorporated association, as of the date of a resolution to be adopted by the board of directors of the General Alumni Association.

Ben W. Palmer, chairman of the committee on revision of the constitution of the association, reported that amendments to the Articles of Incorporation of The Minnesota Alumni Association were duly filed with the Secretary of State of the State of Minnesota on August 26, 1948, and with the Register of Deeds of Hennepin County on September 1, 1948, documents 2522417 in Book 550 of Misc. 262.

Upon motion duly made and seconded, the following by-laws of The Minnesota Alumni Association were unanimously adopted:

ARTICLE I—OFFICERS

Section 1. The officers of this corporation shall consist of a president, first vice-president, second vice-president, a secretary and a treasurer, or, as the board of directors of said corporation may from time to time determine, a secretary-treasurer in lieu of a secretary and a treasurer. The officers of the corporation shall be elected by and from directors at the annual meeting of the directors to be held at such time and place as may be provided for in these by-laws. Each officer shall hold office for one year or until his successor shall have been elected. Vacancies in the office of secretary, treasurer, and secretary-treasurer, shall be filled for the unexpired term by the board of directors.

Section 2. *President.* The president shall preside at all meetings of the board of directors and of the members of the corpora-

tion and shall be the official representative of the corporation with respect to relations with the University and the public. In the event of the absence of said president from any meeting of the directors or of the members of the corporation and in the event of his or her death or resignation, the first vice-president shall act in his or her place and in the event of the failure or inability of the first vice-president to act, the second vice-president shall act.

Section 3. *Secretary.* The secretary of the corporation shall attest minutes of meetings of the board of directors and of members of the corporation, such minutes, however, to be prepared and kept in the office of the corporation by the executive secretary.

Section 4. *Treasurer.* The treasurer shall present a report with respect to the financial affairs of the corporation at the annual meeting of the corporation and at such other times as may be directed by the board of directors and shall cause to be prepared and presented at the annual meeting, or at such other times as may be from time to time directed by the board of directors, an audit of the books and accounts of said corporation by a certified public accountant employed by said treasurer. It shall not be necessary for the treasurer to sign or countersign checks drawn by the executive secretary on any bank account or bank accounts of the corporation.

ARTICLE II—BOARD OF DIRECTORS

Section 1. *Nominations.* Nominations for election to the board of directors shall be made by a committee of five appointed by the president from any of the members of the corporation but not more than two from the existing board of directors. Not more than one of the nominating committee shall serve for more than one term consecutively. The nominating committee shall nominate not less than two for each director to be elected. The directors shall serve for three-year terms, that is one-third, or seven members, being elected each year. Of the first board of directors, seven shall be elected for one year, seven for two years, and seven for three years. The term for which nominations are made for members of the first board of directors shall be indicated on the ballot. The nominating committee shall be appointed at least ninety days prior to the annual meeting. The nominating committee shall report in writing to the executive secretary of the corporation at least sixty days prior to the annual meeting. The nominating committee, in making nominations, shall give due regard to representation by colleges, sexes, schools, organized alumni units and geographical areas, keeping in mind, however, such representation on the board of directors as will not make it difficult to secure the attendance of a quorum at meetings of the board. Nominations may also be made upon petition from not less than twenty-five (25) members of the association filed in writing with the executive secretary of the corporation not less than thirty (30) days prior to the annual meeting.

Section 2. *Election.* Upon delivery of the report of the nominating committee to the executive secretary he shall prepare and cause to be published in the earliest available issue of the corporation's publication, at present the MINNESOTA ALUMNUS,

a ballot in such form that the same may be clipped or torn from the publication and mailed to the office of the executive secretary. Ballots shall indicate the college, school, place of residence, year of graduation or attendance, degrees and other pertinent information relating to each nominee furnished to the executive secretary by the nominating committee, or in the case of nominations by petition, by the petitioners. In the case of nominations by petition the ballot shall contain after the name of each person so nominated the statement "nominated by petition." On the same page with the printed ballot as published shall appear specific directions with respect to the marking and mailing of said ballot to the executive secretary together with a statement to the effect that no ballots will be counted unless received at the office of the executive secretary not later than five days prior to the annual meeting. The names of the nominees on the ballot shall be arranged in alphabetical order. The executive secretary shall count the ballots and report the results of the election at the annual meeting.

Section 3. Meetings of the Board. Regular meetings of the board shall be held at such time and place as may from time to time be fixed by resolution of the board but said board shall not meet less than three times a year. Notice of regular meetings of the board shall be given to each member, including honorary members, in such time and manner as notice of special meetings, but notice of regular meetings need not state the purpose thereof. Special meetings of the board may be called either by the president, or, in his or her absence or disability, by the first vice-president, or, in his or her absence or disability, by the second vice-president, also by the executive secretary upon written request of not less than three members of the board. Notice of special meetings of the directors shall be given to each director by the executive secretary at least five days prior to the time of said meeting. Notice of special meetings shall state the time, place and purpose thereof but such notices should be deemed waived by the attendance of any director unless he shall enter a protest at the opening of such meeting upon the records thereof. Notice of special meetings may be either by mail, deposited in the mails at least five days prior to the meeting, or by telephone, telegraph or any other means of communication determined upon by the executive secretary.

Section 4. Quorum. Twelve voting members shall constitute a quorum of the board of directors.

Section 5. Honorary Members of the Board. Every past president of the corporation and of the General Alumni Association of the University of Minnesota, an unincorporated association, shall be an honorary member of the board of directors, and additional honorary members may be elected from time to time by the board of directors. Honorary members shall be notified of meetings of the board of directors but the failure to notify the honorary members of any meeting shall not invalidate said meeting. Honorary members shall have the right to attend and speak at said meeting but shall have no vote, nor shall the number of honorary members be considered in determining whether or not a quorum of the board of directors is present.

ARTICLE III—EXECUTIVE COMMITTEE AND EXECUTIVE SECRETARY

Section 1. Executive Committee. In the interim between regular meetings of the board of directors its powers may be exercised by an executive committee consisting of the officers of the corporation and such additional members as may from time to time be appointed by the board.

Section 2. Executive Secretary. The executive secretary of the corporation shall be appointed by the board of directors for such term and upon such conditions with respect to compensation and services as may be from time to time determined by said board in agreement with said executive secretary. The executive secretary in addition to performing the duties devolved upon him by these by-laws shall manage the affairs of said corporation subject to control and direction by the board of directors, and shall have the power to employ such persons from time to time and to make such purchases of equipment and supplies as he may determine and be allowed traveling expenses provided, however, that no obligation shall be incurred or expenditures made by the executive secretary otherwise than in accordance with budgets from time to time adopted by said board or in accordance with resolutions of said board.

Section 3. Vacancies. Vacancies in the board of directors shall be filled for the unexpired term by the president.

ARTICLE IV—MEMBERS AND MEETINGS

Section 1. Members.

(a) All persons who are now or hereafter become life members of the General Alumni Association, an unincorporated association, shall without payment of further dues be and remain members of the corporation.

(b) All persons who are now life subscribers to the MINNESOTA ALUMNUS, formerly the MINNESOTA ALUMNI WEEKLY, shall continue without payment of further subscription fees or dues to receive the official publication of the corporation and shall be and remain members of the corporation.

(c) Graduates and former students of the University of Minnesota and of the Duluth State Teachers College may become members of the corporation upon payment of annual dues in the sum of \$3.00 of which dues \$2.00 shall constitute the subscription price of the alumni publication, at present the MINNESOTA ALUMNUS.

Section 2. Meetings of Members. The time and place of annual meeting of the members of the corporation shall be fixed by the board of directors in each year at least three months prior to the date of meeting, and notice of the time and place of said meeting shall be published by the executive secretary at least once in the official publication of the corporation, at present the MINNESOTA ALUMNUS. Special meetings of the members may be called either by the president, or by the board of directors or by the executive committee of the corporation. Notice of the time, place and purpose of special meetings shall be published by the executive secretary at least once in the official publication of the corporation, at present the MINNESOTA ALUMNUS, such publication to be not less than five days prior to the time of said meetings. Fifty members shall con-

stitute a quorum for the transaction of business at meetings of the members.

ARTICLE V—AMENDMENTS OF BY-LAWS

These by-laws may be amended at any time by the board of directors, provided, however, that notice of any proposed amendment be mailed by the executive secretary to each director at least five days prior to the meeting at which said proposed amendment is to be voted upon.

Upon motion duly made and seconded, the following resolution was unanimously adopted:

RESOLVED, that the St. Anthony Falls Office of the First National Bank of Minneapolis be designated as the depository for the funds and checking account of The Minnesota Alumni Association and that the Midland National Bank of Minneapolis be designated as the depository for the association and that the executive secretary be authorized to draw checks on the account in the St. Anthony Falls Office of the First National Bank and that the treasurer be authorized to sign checks on the investment account in the Midland National Bank.

Upon motion duly made, seconded and unanimously carried, it was voted that in the absence of the executive secretary, any two officers of the corporation may sign checks on the account of the association in the St. Anthony Falls Office of the First National Bank of Minneapolis, and in the absence of the treasurer, any two other officers of the corporation may sign checks in his place.

Upon motion duly made, seconded and unanimously carried, it was voted that the former officers of the corporation be continued until their successors are elected. These officers are as follows: President, Arthur R. Hustad; First Vice-president, Arthur O. Lampland; Treasurer, Arnulf Ueland.

Upon motion duly made and seconded, Miss Rewey Belle Inglis was unanimously elected second vice-president of the association.

Upon motion duly made and seconded, Ben W. Palmer was unanimously elected secretary of the association.

Upon motion duly made, seconded and unanimously carried, it was voted that the annual meeting of the corporation be held the day before the spring commencement exercises in June.

Motion duly made, seconded and unanimously carried, that the board of directors express its deep appreciation to Mr. Palmer for his valuable work in revising the constitution of the association.

There being no further business, the meeting adjourned.

WILLIAM S. GIBSON,
Secretary.

Minutes of a special meeting of the Board of Directors of the Minnesota Alumni Association held September 22, 1948 at 12:15 p.m.

A special meeting of the Board of Directors of the Minnesota Alumni Association, a Minnesota corporation, was duly held on September 22, 1948, at 12:15 p.m., at the Minneapolis Athletic Club in Minneapolis, Minnesota, pursuant to the following notice mailed to all members of the

Board by the Executive Secretary September 14, 1948:

"Notice is hereby given that a special meeting of the board of directors of The Minnesota Alumni Association, a Minnesota corporation, will be held on the twenty-second day of September, 1948, at 12:15 p.m. at the Minneapolis Athletic Club, for the purpose of amending Section 1 of Article II of the by-laws to provide that nominations for the board of directors made upon petition may be filed in writing with the executive secretary of the corporation not less than fifty (50) days prior to the annual meeting rather than not less than thirty (30) days prior to the annual meeting as presently stated, and for such other business as may come before the meeting. William S. Gibson."

The meeting was called to order by the President, Arthur R. Hustad. The following members of the board were present:

Dr. W. H. Aurand, Russell Backstrom, Lillian Mayer Fink, Harry Gerrish, Arthur R. Hustad, Rewey Belle Inglis, Dr. Bert H. Kerr, Arthur O. Lampland, Ben W. Palmer, Charles V. Netz, Louis M. Schaller, Judge Paul Jarosca, Clarence Blume, Orren E. Safford, Edgar F. Zelle.

The same constituted a quorum.

Upon motion duly made and seconded, the following resolution was unanimously adopted:

RESOLVED, that Article II, Section 1, of the By-Laws be amended by substituting in the seventh sentence thereof the words "one hundred twenty" for the word "ninety" and in the eighth sentence the word "ninety" for the word "sixty" and that Article II, Section 1, be amended by providing that nominations for the Board of Directors made upon petition may be filed in writing with the Executive Secretary of the corporation not less than fifty days prior to the annual meeting instead of not less than thirty days prior to the annual meeting as originally provided by said By-Laws.

There being no further business, the meeting adjourned.

BEN W. PALMER, Secretary.

Minutes of a special meeting of the Board of Directors of the General Alumni Association of the University of Minnesota, September 22, 1948.

A special meeting of the board of directors of the General Alumni Association of the University of Minnesota, an unincorporated association, was duly held at the Minneapolis Athletic Club, Minneapolis, on September 22, 1948, at 12:15 p.m. pursuant to the following notice mailed to all members of the board on September 14, 1948:

"Notice is hereby given that a special meeting of the board of directors of the General Alumni Association of the University of Minnesota will be held on the twenty-second day of September, 1948, at 12:15 p.m., at the Minneapolis Athletic Club, for the purpose of transferring to The Minnesota Alumni Association, a Minnesota corporation, all the assets and turning over to said corporation all the affairs of the General Alumni Association of the University of Minnesota, an unincorporated as-

sociation, and for such other business as may come before the meeting."

WILLIAM S. GIBSON, Secretary.

The meeting was called to order by the president, Arthur R. Hustad. The following members of the board of directors constituting a quorum were present:

Louis M. Schaller, W. H. Aurand, Paul J. Jarosca, Charles V. Netz, Rewey Belle Inglis, Parker Anderson, Arnold C. Oss, A. R. Hustad, Clarence E. Blume, Ben W. Palmer, A. O. Lampland, Edgar F. Zelle, Lillian Fink (Mrs. Leo W.), Richard E. Kyle, Orren E. Safford, Harry E. Gerrish, B. H. Kerr, Russell E. Backstrom.

Upon motion duly made and seconded, Louis M. Schaller was unanimously elected Secretary pro tem.

Upon motion duly made and seconded, the following resolution was duly and unanimously adopted:

"Be it resolved by the board of directors of the General Alumni Association of the University of Minnesota, an unincorporated association, that, in consideration of the assumption by The Minnesota Alumni Association, a Minnesota corporation, of all

existing contracts and liabilities and obligations of the General Alumni Association of the University of Minnesota, it does hereby sell, assign, transfer and set over unto The Minnesota Alumni Association, a Minnesota corporation, all the property, and assets of said General Alumni Association of the University of Minnesota."

Upon motion duly made, seconded and unanimously adopted, it was voted that the terms of the first board of trustees of the Greater University Fund be established as follows:

Elmer E. Engelbert.....	1 year
Arthur R. Hustad.....	2 years
Ben W. Palmer.....	2 years
Parker Sanders.....	3 years
Mrs. Arnulf Ueland.....	3 years

The term of Elmer E. Engelbert having expired on July 1, 1948, upon motion duly made and seconded he was unanimously elected for a three year term commencing July 1, 1948.

There being no further business, the meeting adjourned.

LOUIS M. SCHALLER,
Secretary Pro Tem.

Obituaries

Dr. Samuel M. Kirkwood '92Md, St. Paul physician and surgeon, died recently in Batavia, New York. He was 83.

Mrs. A. E. Zonne (Louise Cole '95-'96) died recently. She was 72. Former president of the Minneapolis Woman's club, she was a member of Alpha Phi sorority.

Frank Eugene Griswold '97Md, Hoffman, Minnesota, died in November. He was 74. Dr. Griswold was honored in Hoffman last month at a community celebration for his 50 years in the medical profession. He had retired from active practice two months ago.

Samuel John La Due '99, died recently at his home in Minot, N. D. For the past 35 years he has been a partner in the White Ice Cream Co. there. He was a member of Phi Beta Kappa and Sigma Xi, honorary academic and science fraternities.

Nelson Daniel Bessesen '02L, died in November in Minneapolis. He was 74. He practiced law with his brother, Henry J. '01L, who survives him.

Paul G. Bremer '09L, prominent St. Paul lawyer, died recently. He was 61. Legal advisor for the Schmidt brewery, he maintained offices in the Bremer Arcade and lived at 145 Amherst Street. He was also vice president of the American National bank.

Dr. LeRoy E. Doolittle '09Md, prominent pediatrician at Duluth, Minnesota, died November 9. He was 65.

Jacob Lambert, Jr. '10L, died in November. He was 62. For the past several years he was secretary of the Lampert Investment company in Minneapolis.

Mrs. James S. Brodie '12, (Ragnhild J. Hobe), White Bear Lake, Minnesota, died in October. She was 59. Mrs. Brodie was a member of Kappa Kappa Kappa sorority. She is survived by her husband, James S. Brodie '08-'11.

Dr. Louisa E. Boutelle '16Md, former assistant Minneapolis city physician, died recently in Iowa. She was 62. For the past several years she has been a staff physician at state mental hospitals in Concord, New Hampshire and Provo, Utah.

Joseph E. McKenna '21L, Cloquet, Minnesota, civic leader, died November 11. He was 55.

Barbara I. Roverud '37HEC, Rochester, Minnesota, plunged to her death from the fifth floor of a Los Angeles hospital. She was 34. She had entered the hospital for treatment for nervous exhaustion.

Mrs. Claude Y. Meade (Ellen M. Oftedal '44) died recently. She was 27. Formerly of Minneapolis, she was living in Boulder, Colo., at the time of her death.

Do You Remember When?

The following items from the campus news of years past were taken from the files of the Minnesota Alumni Weekly, which became the Minnesota Alumnus in 1943:

December, 1903: R. E. Tyson, Thomas Patterson, John Boss, W. H. Tomhave and C. D. Stewart were selected to represent Minnesota in the Students' Stock Judging Contest at Chicago . . . The annual banquet in honor of the football team was held at the West hotel . . . The University basketball team defeated Anoka 52 to 7. Anoka made but one basket, the other five points being made on free throws from fouls . . . A spelling match was held between the freshman and sophomore class.

December, 1913: *The University Dramatic Club presented "A Pair of Spectacles," at Morris, Minn., at the corn and alfalfa exhibition . . . The young women of the department of agriculture gave a free Christmas tree to the little children living on the river flats . . . The Farm Literary Society held its annual banquet at the Vendome hotel with active and alumni members present . . . Leonard Frank, football, basketball, track and baseball man at Minnesota, was chosen assistant football and track coach and head baseball coach.*

December, 1923: A male banjo club was organized to work in conjunction with men's glee club under the direction of Earl J. Killen of the Music department. They gave their first performance in "Minstrels of 1923" which was presented in the Music Hall auditorium . . . Phi Mu Alpha, national music fraternity established a chapter at the University . . . Ted Cox was elected football captain for the 1924 Minnesota team . . . Paul Christopherson '26L, was awarded the Rhodes scholarship from the state of Minnesota . . . Chester D. Salter '26 was appointed to the position of Editor-in-Chief of the Minnesota Daily . . . Stuart Wilson was chosen to head the committee on general arrangements for the All-Senior Prom.

December, 1933: *Walter Hargesheimer, senior representative from the College of Education, won the right to lead the Senior ball in the spring and the official leadership of the senior class when he was elected to the presidency of the senior commission . . . Lorraine Andreson and Richard Carlson had the leading roles in the University Theatre presentation of Shakespeare's "Taming of the Shrew." . . . Francis Lund, Gopher halfback, was elected captain of the 1934 Minnesota eleven.*

December, 1943: President Coffey announced that the University of Minnesota had been designated a training center for a quota of 100 "Engineering cadettes" by the Curtiss-Wright Corporation . . . Nearly all the members of Minnesota's 1942 football squad were members of the enlisted reserves of the various branches of the armed forces and were soon to be called to active duty. Members of the team were guests of honor at the annual Football banquet given the squad by the Senate Committee on Intercollegiate Athletics.

News of the Classes

— 1894 —

C. H. Chalmers '94, secretary and treasurer of the '94's has been highly honored this year at the 40th anniversary of the founding of the National Association of Electrical Machinery Manufacturers. Mr. Chalmers was awarded the solid gold founders lapel pin and an elaborate script setting forth his labors in organizing the electrical industry in 1908.

— 1896 —

Dr. George Ransom Day '96D, and Mrs. Day, observed their golden wedding anniversary recently. Dr. Day, who is 78 years old, is recognized as one of the oldest practicing dentists of the state of Minnesota. He holds a life membership in the Minnesota State Dental association and the Minnesota State Historical society.

— 1901 —

S. L. Gillan '01M, mining engineer and geologist, is now located at 230 Webb Drive, Glendale, Calif.

— 1905 —

Thorold F. Field '05, has been appointed by the U. S. Atomic Energy Commission to serve on their advisory committee on raw materials. Mr. Field resides at 2602 E. Third Street, Duluth.

Joseph A. A. Burnquist '05L, has been elected president of the National Association of Attorneys General in conference in Houston, Texas. Mr. Burnquist has been state attorney general for the past ten years. He resides at 1776 Fremont Ave. S., Minneapolis.

— 1909 —

George W. Morey '09, physical chemist at the geophysical laboratory in Washington, D. C., has been awarded the Arthur L. Day award for the most important contributions of chemistry and physics to geology. Dr. Morey has been conducting experiments with very high pressure steam and extreme temperatures, simulating conditions several miles below the surface of the earth. He was a member of the first class in applied chemistry at the University.

— 1910 —

Clarence M. Jespersion '10IT, is living at 37 Sunset Drive, Anniston, Alabama, where he is serving as director of Anniston Committee for Industrial Development.

— 1914 —

John Horton Daniels '14 and Mrs. Daniels, the former Helen Dunn '15, are in Nanking, China, where Mr. Daniels is a missionary-physician at the University hospital in that city. Their home address is 7 Hankow Road.

— 1915 —

Carl J. Rice '15D, has retired from dental practice and is now in charge of real estate for Williams-Bingham Company of Temple City, California. He is residing at 1118 Palma Vista, San Gabriel, Calif.

— 1924 —

Dr. Earl H. Dunlap '24Md, has been elected to the International College of Surgeons. He was admitted to membership at the college's 13th annual assembly in St. Louis, Mo., November 15. Dr. Dunlap's offices are located at 333 Medical Arts Building, Minneapolis.

J. Roscoe Furber '24IT, has been promoted to General Sales Manager of Northern States Power Company in Minneapolis. He received a law degree from the Minneapolis-Minnesota College of Law last June and was graduated with an average of 96, the highest average attained by any stu-

dent since consolidation of the Minneapolis and Minnesota colleges of law. Mr. Furber resides at 4842 Queen Avenue S., Minneapolis.

— 1925 —

Henry D. Brohm '22; '25Gr, first vice president of Wieboldt Stores, Inc., has resigned. He has been with the organization for the past 23 years and prior to that time was an instructor at the University of Minnesota for three years. With his wife and their daughter and son, he resides at 314 Lake Street, Evanston, Illinois.

— 1927 —

Dr. Robert M. Dittes '27D, writes that he is employed as senior dentist at the California State Veterans' Home. He served six years with the Navy and was discharged a commander in the dental corps.

— 1929 —

Leland A. Watson '29 was the guest speaker at the annual banquet of the International Falls, Minnesota, Chamber of Commerce. Mr. Watson is head of the Maico Company, a pioneer in the manufacture of hearing aids applying the vacuum tube principle. He is the author of a book to be published in the near future, "Hearing Tests and Testing Instruments." Mr. Watson resides at 5315 Upton Avenue, Minneapolis.

Laura M. Becklund '29GN, has been appointed director of the Curative Workshop of Minneapolis Community Health service, a Community Chest agency. She has served at the Curative Workshop since 1946 and prior to that time, spent two years with the army.

— 1931 —

Mr. Edwin E. Dickson '24L, and **Mrs. Dickson (Gwendolen Schneider)** '31; '40PhD) announce the birth of a daughter, Elizabeth Lynn, born August 6, 1948. The Dicksons are living in Silver Springs, Maryland, where Mr. Dickson is employed by the Bureau of National Affairs in Washington, D. C. Mrs. Dickson was formerly chief of the Educational Counseling division of the central office of the Veterans Administration in Washington, where she had been employed since leaving the Bureau of Naval Personnel.

Dr. Harold Richard Hennessy '31 Md, was the speaker at the opening session of the North Central Medical association convention held in Minneapolis recently. Dr. Hennessy resides in Chicago where he is secretary of the council on national emergency medical service of the American Medical association.

— 1933 —

Dr. Lloyd A. Whitesell '33Md, Minneapolis surgeon, has been elected to the International College of Surgeons.

— 1934 —

Carrie May Dokken '34Ed, chief of the nurse section of the public health division of the Economic Cooperation Mission to Greece, has been advanced to the grade of senior nurse officer in the Reserve of the Public Health Service. This is the equivalent of the grade of lieutenant-colonel. Miss Dokken has been in Greece since December 1947 and is responsible for the over-all planning of the Nurse Training program, is consultant in nurse education, and supervises the varied activities of the nurse section. Before joining the public health division, Miss Dokken had previous overseas experience with UNRRA in China, North Africa and Germany.

— 1936 —

A. G. Ealy '36, is residing at 11 Meade Ave., Hanover, Pa. He is vice president of the Littlestown Hardware & Foundry Co., Inc., in Littlestown, Pennsylvania.

— 1937 —

Theodore C. Schmidt '34-'37, has been appointed northwest director of public relations for the Permanente Metals Corp., producer of Kaiser aluminum. He will take up his new duties in Spokane, Wash., home of the Kaiser aluminum rolling mill and Mead aluminum reduction works.

Dr. Norman Schneidman '37, has completed graduate work at the University and the Veterans Hospital and is practicing internal medicine at 701 Medical Arts building, Minneapolis.

Alfred F. Angster '37; '39MA, has been named chief of the field services unit of the Minnesota social welfare division. The appointment came after a state-wide open competitive civil service examination. Mr. Angster resides at 1619 Edmund avenue, St. Paul.

— 1938 —

Word has been received of the election of **Albert J. Hendry** '38IT, as secretary-treasurer of the Minnesota Section of the American Institute of Electrical Engineers. Mr. Hendry's address is 3211 24th Ave. So., Minneapolis.

— 1939 —

Dr. Hanns C. Schwyzer '39Md, is associated with Dr. Martin Nordland '13Md, in the practice of surgery in Minneapolis.

The recent presentation of Romberg's "Desert Song" in Minneapolis was di-

rected by **Glenn Jordan** '39MA. He has been directing shows for the past nine years, getting his start directing summer stock in New England and later winter stock in the south. Jordan later became assistant to Otto Preminger, the famed theater and film director. During a short time in the Army, he was director of the Harold Rome army revue "Stars and Gripes." After his discharge he became associated with Lewis and Young productions and has been stage director for Basil Rathbone, Eugenie Leontovich, Dorothy Gish, Kent Smith, Charlotte Greenwood and others.

John O. Erickson '39Ag, is at the University of Rochester where he is a research biochemist with Atomic Energy Project.

Mary Agnes Boylan '39, has received her master of arts in education from George Washington University, Washington, D. C.

— 1942 —

John B. Clark '42, is employed by the Toni Company, 456 Merchandise Mart, Chicago, Ill.

Arthur F. Witesman '42, and his wife, the former **Harriet A. Heenan** '40HE, are spending a few weeks in Minnesota. They will return to their home in Vienna, Austria, in December. Mr. Witesman is in public health work in the department of army civilians serving with the United States forces in Vienna.

They live at the edge of the famed Vienna woods in a house that is more than a century old. The house has been rebuilt several times but was used for storage before the Witesmans occupied it. It has a bombed interior and glassless windows. Each brick in the building bears the crest of the royal bricklayer on one side and a facsimile of Emperor Franz Josef on the other side. The house is heated with a wood burning Nuernberg tile stove with fuel coming from the Vienna woods.

Mrs. Witesman says the woods are just as beautiful as anything that has ever been written for them and that they provide much entertainment for the Viennese people on Sundays. They wander through the woods and are entertained by Strauss compositions played by musicians housed in tiny wine houses throughout the woods.

The Witesmans have a daughter, Joan, 4 months old. They are visiting Mrs. Thomas Heenan, Faribault, Minnesota.

— 1943 —

Kathryn Fritz '43N, has been named assistant supervisor of nurses for the Chattanooga-Hamilton county health department in Chattanooga, Tennessee. For the past two years she has been staff nurse and student adviser at the Rochester-Olmstead county (Minnesota) health unit. Prior to that position she served as an Army nurse with the rank of second lieutenant for a year. She has also worked for the Visiting Nurses association in Detroit.

Frank Joseph Lexa, Jr. '43, has received a bachelor of laws degree from George Washington University, Washington, D. C.

Kenneth Donald Boyle '43Ag, formerly with Golden State Co., Ltd., San Francisco, California, leading West coast dairy firm, is now a dairy manufacturing instructor at California State Polytechnic college, San Luis Obispo, Calif. He receives his mail at Box 370.

— 1944 —

Dr. and Mrs. Dick Kendall Cason (**Maxine Skocopole '44**) announces the birth of a son, Dick Mills Cason, on November 22, in Dallas, Texas. Grandfathers of the child are Conrad J. Hanson '19, and Dr. F. L. Skocopole '19 Md.

— 1945 —

Bettye Johnson '45Ed, recently returned from a two-month trip abroad. She traveled in England, France, Italy and Switzerland and sailed for home from Holland on a reconverted troop ship. She is back at the University of Minnesota where she is an instructor in the art department.

Dr. Alexander M. Boysen '45Md, who is interning at St. Francis hospital, Pittsburgh, Pennsylvania, has been commissioned first lieutenant in the United States army medical corps.

Miss Lyla Mae Anderson '45, is now a member of the faculty at Eastern Washington College in Cheney, Washington. She is teaching psychology and is resident counselor in the men's dormitory. She considers the latter to be a novel job, and one that is very interesting. Her position is part of the new counselling program being installed at the college.

Dr. Martin A. Nordland '45Md, recently completed a fellowship in surgery at the Mayo Foundation, Rochester, Minn., and is associated with his father, Dr. Martin Nordland '13Md, in Minneapolis.

— 1946 —

Robert M. Drake '46Md, after two years service in the Navy, is located at

Rochester, Minnesota, taking a fellowship in pediatrics at the Mayo Foundation. He was married to Merry H. Ekblad last April. Dr. Drake is the son of Dr. Charles R. Drake '09.

Dr. Loren J. Jacobson '46Md, now interning at St. Barnabas hospital, Minneapolis, has been commissioned first lieutenant in the United States army medical corps reserve.

— 1947 —

Richard A. Winer '47, has returned to Minneapolis after helping smuggle European Jews past the Arabs' blockade into Palestine.

Winer went to New York after graduation where he worked for the American League for a Free Palestine. Later he went to work in the engine room of the "Mayflower," one of the former presidential yachts. It traveled between France and Palestine, taking European Jews to their homeland. It was operated by Haganah. Winer's most narrow escape occurred at Haifa, a Jewish city, where the Mayflower anchored to let off her load of refugees. Arab bombers attempted to bomb the ship. However, they were never struck as the bombers were very "inaccurate." The Mayflower was built to accommodate 250 people but always carried about 1500 refugees.

Mr. Winer says that the standard of living in Palestine is high. People wear the same kind of clothes and have about the same manners as people in the United States. He says that their apartment buildings are more modern than those we have. While on the trips he took several pictures which show how the refugees suffered in their attempts to get into Palestine.

Norman C. Sabee '47, formerly associated with the advertising department of the L. S. Donaldson company, Minneapolis, has been appointed publicity manager of the Coolerator company of Duluth. He will also serve as editor of the sales and house organ for the company, "Cooleration."

Erling O. Olsson '47ChemE, and Mrs. Olsson are announcing the birth of a daughter, Leslie Diane, born November 5, 1948. Mr. Olsson is employed in Minneapolis by the M. and O. Paper Company. They reside at 2511 23rd Avenue N., Minneapolis.

Marjorie Hersleth '47, has assumed the position of office manager for the Minnesota Council of Churches. She formerly worked for the National Lutheran council in New York. Headquarters of the council is at 112 W. Franklin avenue, Minneapolis.



Alumni Marriages



Mr. Conrad John Hanson '19 and Mrs. Dick Kendall Cason, Jr., were married November 25, 1948, in Dallas, Texas. After December 1 they will be at home at 3957 Twelfth Avenue S., Minneapolis.

Louise Spaeth '43, was married recently to Robert B. Morris '42. Prior to her marriage Mrs. Morris was administrative assistant on the staff of the Minnesota Historical society. Mr. Morris, formerly field representative for the League of Minnesota Municipalities in Minneapolis, is now a staff member of the International City Managers' association in Chicago.

Fay Knox '43, was married recently to Rabbi Samuel Meyer of Lorain, Ohio. After a wedding trip they will be at home at 421 Broadway, Lorain, Ohio.

Dr. John H. Linner '43Md, was married recently to Evodia Larson of New Richland, Minn. After a trip to Colorado Springs, Colo., they will be at home at Christmas Lake, Minn.

Lillian Ruth Ball '44BA; '45MA, was married to Charles A. Anker '39-Chem; '42MA, in November at the Center for Continuation Study chapel, University of Minnesota.

Dr. Thomas D. Moberg '46Md, and his wife, the former Myrna Jean Klaff '48N, whose marriage took place October 23 in Minneapolis, are at home in Wadena, Minn. Dr. Moberg is a physician at the Davis Clinic there.

Mark G. Brataas, Jr. '47, was married November 27 to Nancy Gaylord Osborn '45-'47. After a wedding trip they will be at home in Rochester, Minn. Mr. Brataas is the son of Mark Brataas, '17E.

Jacqueline S. Marsh '48 became the bride of Joseph Kinderwater, Jr. '48, November 27. Mrs. Kinderwater is a member of Zeta Tau Alpha sorority.

Mary Ann Lund '48, was married to Thaddeus G. Baker '47, November 14 at the Center for Continuation Study Chapel, University of Minnesota.

OKAY— but what's in it for me?



"So America's the richest country in the world. So what?"

"So Americans *produce* more than any people on earth. Okay—but what's in it for me?"

At all times, in all ages, nations have had to answer that question— or go out of business.

The average man—the worker, the farmer, the small businessman—is human enough to ask: "What will it do for *me*—for me and my wife and my kids?"

Let's look at the record—

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Machine Power: Since 1910 we have increased our supply of machine power $4\frac{1}{2}$ times.

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Income: Since 1910 we have increased our annual income from less than \$2400 per household to about \$4000 (in dollars of the same purchasing power), yet

Work Hours: Since 1910 we have cut 18 hours from our average work week—equivalent to two present average work-days. ♣

BUT THE BEST IS YET—You're right—things can be even better...and must be better. Right now, everyone admits prices are too high. We still have the threat of boom-and-bust. Our system has faults, yet it has brought more benefits to more people than any other system ever devised.

We can beat the boom and bust cycle. We can have even *better* food, *better* clothing, *better* wages, *better* homes, more leisure, more educational and medical facilities.

We can have all this IF we all continue to *work* together and *share* together...IF we continue to realize that each American's personal standard of living will rise in proportion to how much all Americans produce through better machines, better methods, better teamwork.

And that's about it. What's in it for you depends on what's in it for America.

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I know that *higher wages*, lower prices, shorter hours and larger earnings can all result from producing more goods for every hour all of us work.

Therefore, I will ask myself how I can work more effectively every hour I am on the job, whether I am an employee, an employer, a professional man or a farmer.

I will encourage those things which help us produce more and add to everyone's prosperity—things like greater use of mechanical power, better machines, better distribution and better collective bargaining.

I will boost the good things in our set-up, and help to get rid of the bad.

I will try to learn all I can about why it is that Americans have more of the good things of life.

Please send me your free booklet, "The Miracle of America" which explains clearly and simply, how a still better living can be had for all, if we all work together.

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Minnesota ALUMNUS

Vol. 48

January, 1949

No. 5





Why greater strength weighs less and less

CAN YOU MAKE three pounds of steel do the work of four . . . and stay on the job longer? The answer is YES, with *alloy steels*—steels that are combined with small amounts of other metals, such as chromium, vanadium, and zirconium, to develop or increase desired qualities. For example, it's the element, *chromium*, that gives the stainless nature to steel.

So great is the improvement in steel, when alloy agents are used, that a freight car of alloy steel can weigh 25% less, haul heavier loads, yet stay in service much longer than similar cars of ordinary steel. Alloy agents not only increase the strength of steel, they also extend its life through reduction of destructive factors such as rust, corrosion, and wear.

The use of better materials to make steel go farther and serve longer is especially vital to all of us . . . with steel mills unable to catch up, and ore supplies dwindling.

Industrial gases have a big role in steel's better performance, too. Compressed oxygen aids in cleansing the molten steel . . . the oxy-acetylene torch cuts steel sections

to size—and welds them together if desired. Finished steel articles are given a harder, longer-wearing surface through "flame-hardening." And carbon, in the form of electrodes, makes modern electric furnaces possible . . . with their output of high quality steels.

The people of Union Carbide produce these and related materials for improving steel. They produce hundreds of other materials for the use of science and industry—to the benefit of mankind.

FREE: Let us send you the new illustrated booklet, "Products and Processes," which shows how science and industry use UCC's Alloys, Chemicals, Carbons, Gases and Plastics. Just write—



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 ACHESON Electrodes • NATIONAL Carbons • PRESTONE and TREK Anti-Freezes • EVEREADY Flashlights and Batteries

Opening Remarks

Cover

HIGHLIGHTING the student recreational program on the campus this month was the annual Snow Week program sponsored by the Coffman Union board of governors in cooperation with other student organizations. Pictured on the cover is a Minnesota co-ed attired in appropriate costume for the outdoor activities featured on the Snow Week program.

Named as king and queen of the Snow Week festivities this month were two little four-year-olds from homes in University Village, the student veterans community on Como Avenue. The royalty: Terry Campbell, son of Mr. and Mrs. Dean Campbell, and Joan Andresen, daughter of Mr. and Mrs. Arthur Andresen. Snow Week chairman was Jack Quirk '49.



Class Reunions

The classes scheduled to hold five-year reunions in 1949 will soon initiate plans for their reunion meetings on the campus on Alumni Day, Friday, June 10. The reunion classes this year are those whose year of graduation numerals end in four or nine. The two classes which play especially important roles in the Alumni Day reunion program, the 25-year and the 50-year groups, are the classes of 1924 and 1899. The youngest reunion group will be the class of 1944.

Anniversary

This is an anniversary month for the Minnesota Alumni Association. In January of 1904 a group of alumni organized the General Alumni Association and the original constitution of the association was adopted at a meeting in the campus Armory on January 30, 1904. Two years earlier several graduates of the University had initiated a campaign to bring all alumni into one association and the need for organized alumni effort in behalf of the University was emphasized by the passage of a legislative measure which placed the finances of the institution under the supervision of the State Board of Control.

Pioneers fought for it... You can buy it!

SECURITY — for our homes, our families, ourselves — that is what men have always wanted most.

To the pioneer, security meant actual physical safety — protection from hostile Indians, resentful of the white man who dared to homestead on their hunting grounds.

Today, there are other threats to the peace and security of the family . . . but most of them can be thwarted by life insurance. In case of your death, life insurance can:

Keep your home in the family with mortgage retirement insurance . . .


Feed and clothe and educate your children . . .

Keep your widow's declining years reasonably free from money worries.

On the other hand, if all goes well with you, the same life insurance can bring comfort and happiness to your own retirement years.

Have you heard about "YOUR PLAN FOR SECURITY"? This is a new service offered by your local National Life representative. It will give you a clear and accurate picture of your family's financial needs over the years to come. A post card will bring you the details on how you can get this helpful new family service. No obligation, of course.

"See your National Life underwriter at least once a year"



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VERMONT
SOLID AS THE GRANITE HILLS OF VERMONT

Legislature Requests Based on Increasing Costs

I have been told that I am the oldest living graduate of the University; I know that for the past 36 years I have been identified with the Regents of the University. At no time in my memory has the University of Minnesota, by virtue of the wisdom of its Administrative Staff, the loyalty of its academic and civil service employees, and the financial support of the Legislature, resulting in its present vitality and high standing, been more entitled to the support which it now seeks.—Recent statement by MR. FRED B. SNYDER '81, Chairman, Regents of the University of Minnesota.

Mr. Snyder, and his fellow members of the Board of Regents, have submitted to the State Legislature the financial requests of the University for the coming biennium based upon the most careful appraisal of present and future needs.

The requested amounts for general maintenance and operation during the two years beginning July 1, 1949, provide for an over-all increase of 17.6 percent for the general operation of the University over the amount granted by the Legislature for the present two-year period. The University budget as outlined by the administration for the coming biennium has been termed a "status quo" budget and such a description is justified in the light of increasing costs — costs which are well above the level on which requests for the current biennium were based.

It is certain that the demands upon the institution for student educational services and for special and extremely valuable services to the people of the state in many fields are not decreasing. There has been a drop in the number of students enrolled but, from the expense standpoint, this is offset by the greater teaching load at the advanced level — juniors, seniors and graduate students. The percentage of advanced level students has mounted rapidly as the postwar student peak enrollment moves into the upper classes.

It costs double or more than double to teach these advanced students. Smaller classes are essential for them, more experienced teachers at higher ranks and salaries, more specialized equipment. Even at the freshman and sophomore level the drop in the number of students merely reduces slightly the size of classes which have been too big. The relatively small decrease does not materially affect the number of classes that have to be offered.

The University is faced with increased demands for research and services involving problems which affect the economy, the social and political life, the general well-being of the state and its citi-

zens. In addition to teaching, most of the staff members of the University also give time and effort to research and to special service. Increasing specialization and the demand for technical knowledge that scholars can supply are factors in the ever-increasing requests to the University for research and service.

In commenting on the needs of the University, President Morrill has said: "The University must be able to adjust loads of its staff members, so that teaching assignments will still leave time for research and for public service. When the veterans returned, their instruction was a first consideration. The staff in some measure had to turn from research responsibilities to carry the classroom load. The balance now needs to be restored. What was an emergency situation in 1946-48, cannot be retained as the normal."

Included in the \$4,095,007 requested increase in the annual general maintenance appropriation along with the \$1,023,352 to offset the anticipated income drop (chiefly decline in tuition income), is \$965,071 to provide a 12½ percent increase in faculty salaries and \$570,240 for cost-of-living and merit increases for civil service staff members.

MINNESOTA ALUMNUS

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WILLIAM S. GIBSON '27, *Editor*
PAT OLESTON, *Editorial Assistant*
GERALD FRIEDEL '47, *Assistant*

The Minnesota Alumni Association

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University Week Program Planned

UNIVERSITY Charter Day will be celebrated on the campus and throughout the state this coming month. February is an anniversary month in the life of the University of Minnesota by reason of two significant events in the early history of the institution which occurred during that month. The territorial government of Minnesota made provision for the establishment of the State University in February of 1851 and it was in February, 1868, that a plan for the reorganization of the University was adopted which led to the opening in the fall of 1869 as an institution of collegiate grade.

At the first commencement exercises in 1873 the class valedictorian suggested the following pledge of alumni responsibility and service:

Fellow students, preserve untarnished the fair name of our rising University. Frown down all distinctions that are not based on moral and intellectual worth. Make our Alma Mater all that an intelligent and progressive state has a right to expect, the true center of her educational system, the source of her richest blessings, and the mightiest agent in promoting her intellectual and material advancement.

This general sentiment will be the theme of many programs held throughout the state during University of Minnesota Week, February 13 to 19. The statewide observance of the Charter anniversary is being sponsored by the Minnesota Junior Chamber of Commerce and The Minnesota Alumni Association in cooperation with the University student body and staff. During the week, attention will be called to the various services rendered by the University to the people of the state and exhibits of many di-

visions of the University will be placed on display.

Two programs featuring discussions of topics of vital interest to all citizens of Minnesota will be presented in Northrop auditorium during University Week by the Minnesota chapter of Sigma Xi, honorary scientific society. On the evening of February 11, four members of the University staff who are engaged in research and development work vital to the growth of iron mining and the utilization of low-grade ores in the state, will discuss "Research in Minnesota Resources: Iron."

On February 18 there will be a presentation on "Research in Minnesota Resources: Agriculture." Participating in this program will be some of the outstanding agricultural scientists at the University. Both programs are open to the public on a guest card basis.

Second in Size

DURING the past school year the University of Minnesota granted a total of 6,359 degrees. In number of degrees granted, Minnesota was second only to New York University among all the colleges and universities of the United States. In third place was the University of California, with Michigan in fourth place. Approximately 314,000 earned degrees were conferred in colleges and universities in this country during the 1947-48 school year.

During the past fall quarter, with 27,243 students attending classes on its campuses, the University of Minnesota had the second largest student body among land-grant colleges and universities, according to a report recently issued by the United

States Office of Education. The University of California has the largest student enrollment while the University of Illinois is third in enrollment numbers.

The enrollment of veterans at Minnesota during the fall quarter, 14,810, was nearly as large as the total enrollment in the record years just preceding the war. The enrollment of veterans has dropped from the peak of last year.

Interesting in the enrollment picture this year are the figures which show a marked increase in the number of students on the campus of the Duluth Branch of the University. There were 1,432 students enrolled at Duluth last year and 1,900 this school year. This has brought about space problems at the Duluth Branch.

Chemical Engineering

BIDS for construction on the Minneapolis campus of a five-story engineering building expected to cost well over one million dollars were opened this month.

Site selected for the new structure is the area on the north side of Washington Avenue between Church and Union Streets, now a University parking lot. The building will form the south end of the engineering quadrangle. A portion of a temporary building which occupied part of the site has recently been removed.

Plans call for a factory type structure about 200 feet long and 50 feet wide which will provide laboratories, offices, class rooms, drafting rooms and shops for the chemical engineering division of the University's school of chemistry. Professor Charles A. Mann heads the division.

If current plans for the development of the campus are carried out, the building will be abutted on the east by a future highway engineering laboratory building (already designed), and on the west by a future wing for chemical engineering and other institute of technology activities.

Funds now available for the building, appropriated by the 1947 Legislature, amount to \$1,050,000. This appropriation was made to cover construction, architects' fees, utility connections, landscaping and equipment. Believing that considerably more money will be needed to complete the building and to purchase the necessary equipment, Regents of the University are asking the 1949 Legislature for an additional \$250,000 for these purposes.

Architects for the chemical engineering project are Magney, Tussler and Setter of Minneapolis. Professor Roy C. Jones, head of the University's school of architecture, is advisory architect.

Heart Hospital

Contracts totaling \$849,554 for the construction of the Variety Club Heart Hospital at the University of Minnesota were awarded recently to three Twin Cities contractors, and work on the project is expected to begin shortly after Christmas.

Bids for the new 80-bed hospital to be erected on the Mississippi river bank adjacent to University Hospitals were opened November 24, and held open pending action on a University application for \$325,334 of federal funds under the Hill-Burton hospital construction act.

Upon notification from the United States Public Health service of approval of a grant of \$310,271 for construction of the hospital building and an additional grant of \$15,063 for the purchase of equipment, University officials awarded contracts to the low bidders.

Successful bidder for the general contract is the firm of Naugle-Leck, Inc., of Minneapolis with a net figure of \$573,575. The plumbing, heating and ventilating work was awarded to Reuben L. Anderson, Inc., St. Paul, on a bid of \$214,920, while the Batzli Electric company of Minneapolis took the electrical contract with a low bid of \$61,059.

The contracts call for completion of the project within a period of 548 days.

Completed, the new hospital, with equipment, is expected to cost \$987,285. Funds which will pay the structure will come from the following sources: Variety Club of the North-

west, \$464,000 (\$304,000 of which has been raised and an additional \$160,000 pledged); grant of federal funds under the Hill-Burton act, \$325,334; University funds now on hand from several sources, \$97,951; and a bank loan of \$100,000 to be repaid over a 10-year period.

Governor Proclaims University Week



Governor Luther Youngdahl, right, is shown with President J. L. Morrill following the signing by the governor of a proclamation designating the week of February 13 to 19 as University of Minnesota Week throughout the state.

The second annual statewide observance of University of Minnesota Week is being sponsored by the Minnesota Junior Chamber of Commerce and The Minnesota Alumni Association in cooperation with the University student body and staff. Don Lampland '39AeroE, of St. Paul is chairman of the state JAC committee.

At the annual University Charter Day convocation in Northrop auditorium on February 17, Congressman Walter H. Judd of the Fifth District of Minnesota will speak on "Education for America's New Role in World Affairs." Other meetings featuring talks on the contributions of the University to the people of the state will be held during the week on the campus and in cities throughout the state.

Following is the text of the proclamation issued by Governor Youngdahl:

Whereas, the state of Minnesota was one of the first American commonwealths to establish a public University, provision for which was made in the Territorial Charter, and

Whereas, the people of this State have displayed from the first not only a keen but an enthusiastic interest in the strength, efficiency and high standards of the University of Minnesota, and

Whereas, Minnesotans, made up overwhelmingly of groups traditionally seeking progress, intellectual and spiritual advancement and high standards of citizenship, have shown unremitting interest in and willingness to support higher education, and

Whereas the week February 13 to 19 has been designated University of Minnesota Week,

Now therefore, I, Luther W. Youngdahl, Governor of Minnesota, wishing in every way to encourage and re-inforce the long-existing and statewide enthusiasm for the welfare and advancement of the University of Minnesota, do call on the people of all communities of the State to join during that week in special activities recognizing and honoring the University's services, and to rededicate themselves faithfully to its support.

Fund Campaign Chairman Named

APPPOINTMENT of John F. McGovern of LeSueur as general chairman of the national committee for the 1949 Greater University Fund campaign, was announced by Stanley J. Wenberg, director of the fund.

McGovern will head the drive which will be an annual event sponsored by the University of Minnesota Alumni Association. The national campaign chairman said recently that he will announce the names of his executive committee members as soon as their appointments have been completed.

The coming year will be the second year of the Greater University Fund's operation, and the first year in which a national campaign organization will be set up. The 1948 fund campaign will close next week, one week beyond the previously announced deadline, Wenberg said, to permit the enrolling of late donors on the 1948 roster.

McGovern, industrial relations director for the Minnesota Valley Canning company of LeSueur, was the first University of Minnesota football player to be named an All-American, an honor which he won in 1909. Formerly sports editor of the Minneapolis Journal, he is a past president of the Washington (D. C.) Touch-down Club.

In 1945 and 1946, McGovern was Minnesota chairman of the national Sister Kenny fund drive, and during the last Kenny campaign he served as area chairman directing the drive in Minnesota, the Dakotas and a part of Wisconsin.

He is a past president of the Minnesota Employers' association, past chairman of the Minnesota County Welfare Merit system, a former member of the Northern Great Lakes Area council. At the present time, he is vice president of the National Cancer association.

Advisory Council

MEMBERS of the advisory council for the next two years and plans for 1949 program of the Greater University Fund sponsored by the University of Minnesota Alumni association were announced recently by Stanley J. Wenberg, director of the fund.

Opening date for the 1949 fund program will be April 28. The 1948



JOHN F. MCGOVERN

campaign was closed with an appeal which was mailed to University alumni Friday, December 10. A list of 1948 contributors to the fund will be published in February according to Wenberg.

Forty members have been named for the fund's advisory council for the period 1949-50. This will be a continuing body, with new appointments for a third of the group to be

made every two years, Wenberg said. The council serves in both an advisory and "sounding board" capacity.

Members named to the council are:

From Minneapolis — Burns Allen, William Anderson, George Belden, Mrs. Fanny Brin, Sam W. Campbell, Dr. Harold S. Diehl, Arthur Fruen, Rewey Belle Inglis, Ward H. Olmsted, Thomas F. Wallace, Mrs. Frank Warren and Edgar Zelle.

From St. Paul—Theodore C. Clegen, R. P. Carlton, Victor Christgau, Edward F. Flynn, Frank T. Gallagher, William Hamm, Jr., Horace C. Klein, Arthur O. Lampland, Herbert L. Lewis, E. B. Pierce, Charles L. Sommers, E. C. Stakman and Harold E. Wood.

From Minnesota — Dr. William Braasch, Rochester; Rudolph Elstad, Duluth; Edward Freeman, Virginia; Ivan O. Hansen, Luverne; Harley Langman, Fairmont; John F. McGovern, LeSueur; James J. Quigley, Sr., St. Cloud; Charles T. Wangenstein, Chisholm; and Dr. W. W. Will, Bertha.

From outside the state—Walter C. Beckjord, Cincinnati, Ohio; Charles J. Brand, Washington, D. C.; Cassius E. Gates, Seattle, Wash.; Thomas W. Phelps, New York, N. Y.; Arthur B. Poole, San Francisco, Calif.; Henry A. Scandrett, Evanston, Ill.; and H. W. Wilson, New York, N. Y.

Gifts Total \$34,000 in 1948

GIFTS made to the University of Minnesota through the Greater University fund by alumni and friends during 1948 totaled approximately \$34,000, Arthur R. Hustad '16, of Minneapolis, chairman of the fund's board of trustees, reported this month.

At the same time, Hustad announced that trustees of the fund, which is sponsored by the General Alumni Association, have allocated \$20,000 of the unrestricted contributions taken in during the 1948 campaign.

The trustees allotted \$10,000 to the fund's new scholarship program, \$4,500 for three fellowships in the graduate school for the 1949-50 school year and \$5,500 for research and related projects.

The three fellowships will be used to attract or to hold on the campus

top research talent, the board chairman explained.

Grants totaling \$5,500 for research and related projects were made from the fund, Hustad explained, to cover the purchase of special equipment and the financing of special studies for which no other University funds are available.

Contributions to the Greater University fund may be made in any one of three ways, according to Hustad. A gift may be presented without restrictions in which case the allocation of the money will be controlled completely by the trustees of the fund. Secondly, a gift may be designated for some special purpose within the fund program. The third method of contributing is to channel a donation through the fund to an existing or new University trust fund outside the Greater University fund program.



Coffman Memorial Union sponsors a Snow Week celebration annually. One of the high points of this celebration is the Snow Train which takes the students to some winter playground area. The Snow Train represents the culmination of the week long activities of Snow Week. This scene is typical of many just like it all through the train as the students prepare their many and varied kinds of equipment for the activity anticipated when the train reaches its destination.



Many students have highly developed manual skills, and in order that they might find a constructive outlet for these skills, the Union provides a Craft Shop for the student who wishes to pursue his interests. This shop furnishes the students with all the materials and tools for whatever project they may choose at very nominal costs as well as providing them with an instructor in the arts and crafts.

Role of the Student Union in Education

BY G. RAY HIGGINS '30, *Director, Coffman Memorial Union*

AN article which appeared in the Saturday Evening Post describing the Coffman Memorial Union referred to it as "the Clubhouse on the Campus." It is easy to see how a casual observer might well make such a statement. However, to those in Union work such a characterization seems as shallow an analysis of its values as that which would result in referring to a hospital as an "inn." Such a description obviously places the weight of evidence in favor of the incidental circumstances and overlooks the basic process which takes place within the agency. In the hospital this would be the caring for man's physical ailments. In the Union play and recreation serve as a means of developing desirable and important personality characteristics in the students who take advantage of the variety of facilities and programs. The true measure of a Union, then, is its contribution to the process now called "informal education."

Recently in an address entitled "The College Union; An Instrumentality in the Informal Curriculum," Mr. H. C. Hand, Professor of Educational Psychology at the University of Illinois, had this to say on the subject. "Most of what one 'knows' i.e.,

'what he is' in reference to his attitudes, beliefs, modes of behavior, skills, and information is learned *outside* of any formal classroom. It is completely impossible to learn but one thing at a time and these concomitant learnings are always present and are frequently, if not usually, the most important outcome of the situation."

Experience Values

He then continued to list 21 concomitant learnings afforded students in the social program of a progressive Union. Among these learnings were "to give students a sense of belonging; to learn to make considered decisions; to plan, to carry plans into action, and to evaluate them in the laboratory of practical experience; to induce students to become sensitive to the needs, desires and rights of others and to experiment intelligently with new social arrangements.

These views have long been the concept of those responsible for developing and encouraging the Coffman Memorial Union and its program of activities. However, it seems well to take inventory of the contribution which is now being made by the Min-

nesota Union and to determine how far our local institution has progressed in this direction.

It is difficult to evaluate accurately the informal educational effects upon those thousands of students who annually participate informally in the varied social, recreational, and cultural program offered by the Union. It is impossible to conceive, however, how these thousands of students can become a part of intimate social situations such as the Union Coffee Hours, learn desirable social skills in the Dance and Bridge classes, learn to create with their hands and minds in the Artcraft Workshop, to express their ideas vocally in the Toastmasters group, to hike and cook on a week-end Hostel trip, and to take active part in the many other well-planned social and recreational activities without having broadened themselves as an educated person.

Relationships

Aside from these desirable experiences in the Union's organized activities, more than 20,000 students, through their daily casual use of the lounges, recreational areas, dining and other facilities must inevitably

absorb either consciously or subconsciously the many subtle but important lessons of human relationships and democratic living which characterize these experiences.

Personal Growth

Still others are aided in their personal growth and development through participation in the hundreds of special interest organizations whose programs are encouraged and facilitated by their physical accommodations in the building.

These then are the very real but intangible contribution which the Union makes in the process of education. Are there more direct and definite il-

lustrations? It would seem so, for in recent years the formal educational process has turned with increasing frequency to the Union for reinforcement and assistance. Although it is a basic policy of the Union to avoid the scheduling of formal classroom instruction in the building, there are many legitimate ways in which the resources, both physical and human, of the Union can be utilized for instructional purposes. The following relationships indicate the type of situations which can be capitalized upon:

A. Required informal group discussion of course subject matter in economics and political science are held in the Union. These are student

directed without the in instructor's presence.

B. Debating conferences and contests arranged by the Speech Department are housed in the Union.

C. Music Clinics, both local and state, are scheduled by the Music Department in the Union.

D. Physical Education classes in bowling are held in the Union bowling alleys. These are for both men and women. Union staff provides the instruction.

E. Attendance at dance classes in social and folk dancing arranged by the Union are required of some physical education classes.

F. The Union Artercraft Workshop



A very striking scene is the view shown here of the main lounge of Coffman Memorial Union. The furniture and decorations are colorful and yet restful. The piano in the center of the lounge is often the center of quite a large group gathering around to watch the performance of a youthful virtuoso. The lounge is truly the central meeting point for the great majority of University students.



Shown here is a partial view of the bowling alleys which are so popular with students and faculty alike. There are sixteen alleys for use of the members of the student body and staff. Activities include league bowling, instruction, and recreational bowling.



Not content with merely the sound of bowling balls knocking over the ten wooden pins, or billiard balls dropping into side pockets, the students interested in radio work have set up a small radio station in the Union, WMMR. Here the future disc jockies and sports announcers hold forth for those who may be tuned in. The studio in this picture also serves as headquarters for the loud-speaker system which is carried all through the building during the day.



Maintaining fine billiard tables and always popular is the billiard room. Usually considered one of the masculine pastimes, billiards in the Union is not limited to men alone, for it is not unusual to find women in the billiard room actively participating. Shown here is the Pocket Billiard team which won second place in national intercollegiate competition in 1947. Shown left to right are, David Lofgren, Woody Ruikka, Howard Skjei, David Remington, Jerry Smith and Bob Christine, Billiard Recreational Supervisor.

is used by Fine Arts and Industrial students to complete extra class projects. Physical Therapy classes utilize the shop to demonstrate application of principles and techniques.

G. Music Appreciation class in General College is required to use Union Record Lending Library as part of class training.

H. Twenty departments of the University use Union-sponsored Coffee Hours to create closer faculty-student relationships.

I. Journalism reporting classes occasionally cover Union-sponsored activities as part of class assignment.

J. Recreational majors are now required to take part in Union committee activity as part of their leadership training. The Union staff assist in explaining the Union as an example of a community recreational institution.

K. The Artcraft Workshop assists in firing and glazing student ceramic work done in the Fine Arts Department and University High School.

L. Attendance at Union sponsored Charm, Inc., class on social skills has been required of an entire Home Economics class.

M. Spanish Department participation in Pan-American film showings and South American Dances.

N. Music Majors are given experience either as performers or in several cases as paid professional workers in administering the Union Record Lending Library or in planning the Music Hour program.

O. Fine Arts majors in a professional art fraternity are given practical teaching experience as instructors in the Artcraft Workshop.

With this evidence of the Union's part in reinforcing the formal educational process by serving as a living laboratory for transposing theoretical concepts into actuality, it would appear that we are justifying the inclusion of the Union in the educational process as an "Instrument in the Informal Curriculum."

Already there is evidence of the informal activities becoming more formalized and the formal process becoming more informal. It seems entirely logical to predict that in the not too distant future there will be a blending of these two desirable learning mediums which will do much toward strengthening each other. It is the responsibility of the Union to recognize its opportunities in this important area.

County Agents Are Members of University Extension Staff

"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 in 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 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 Minne-

sota'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 the 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 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.

Receives Degree

A grandmother who went back to college during the war to help keep her mind off worry over her sons in service received her bachelor of arts degree at the fall quarter commencement recently at the University's commencement exercises in Northrop Memorial auditorium.

Mrs. Dana Stone (Elizabeth Rand) of Wayzata was "very thrilled" about completing her college education started in 1912 at Bryn Mawr where she was studying classics.

During the last war Mrs. Stone decided she had some unfinished business to complete, and after finishing Red Cross work began attending classes at the University. She received her degree in psychology, with minors in English and political science.

Campus Notes

Minnesota Cited

The success of the University of Minnesota medical scientists in working out an effective treatment for brucellosis (undulant fever) is reported by Paul de Kruif, author of "Microbe Hunters," in the January issue of *Readers Digest*.

In the article, "Undulant Fever—Cause and Promising Cure," de Kruif tells how the University scientists, headed by Dr. Wesley W. Spink, professor of medicine, learned that the combined use of streptomycin and sulfa-diazine would cure undulant fever sufferers.

The writer also relates Dr. Spink's success with a new drug, aureomycin, in treating brucellosis patients in Mexico last summer when he served as a consultant in Mexico's undulant fever control program.

Award

An award of honorable mention was presented recently to KUOM, University of Minnesota radio station, by the dramatic program division of *Billboard* magazine, weekly radio publication.

The radio show on which the award was based was "The Snipe Hunt," written by Zerl Johnson, administrative fellow, and William Connell, script supervisor. Producer of the show, which was based on one of the University of the Air series "Folklore Makes History," was Northrop Dawson, Jr., production director of KUOM.

Conference

Educators from ten states met recently at the University of Minnesota for the nineteenth annual conference on higher education with special reference to teacher education. Approximately 125 educators attended the course which was held in the Center for Continuation Study.

T. M. Stinnett, associate director of the committee on teacher education and professional standards of the National Education association, was one of the main speakers at the meeting. He discussed the current crisis in supplying elementary school teachers for the nation.



The new Mechanical-Aeronautical Engineering building which adjoins the Electrical building will be completed this coming spring. The new building faces the Administration building which is shown in the background.

Dean T. R. McConnell of the college of science, literature and the arts at the University of Minnesota, spoke on "Higher Education in Europe." Dean McConnell has just returned from a five months' visit in Europe to study British colleges.

Educators attending the conference represented the region including Minnesota, Wisconsin, North and South Dakota, Iowa, Nebraska, Kansas, Missouri, Illinois and Montana.

Meeting in Hawaii

Dr. George P. Conger, chairman of the University of Minnesota's philosophy department, will go to Honolulu next summer to attend the second East-West philosophers' conference at the University of Hawaii from June 20 to August 5.

Dr. Conger will be one of about eight leaders in the field of Western philosophy who will meet and study with eight top authorities on Oriental philosophy. Some 50 other philosophy teachers will be invited to sit in as associate members.

Purpose of the conference will be to bring about an understanding between Eastern and Western philosophies by study of fundamental problems uncovered by a smaller gathering in 1939.

Chief differences between the philosophers, Dr. Conger says, are a matter of emphasis and the fact that bringing the fields of thought to-

gether has never been closely approached before.

The program will consist of courses in Indian, Chinese and Buddhist philosophies and seminars in comparative philosophy. Teachers will come to the conference from China, Japan, India, Hawaii and the mainland United States.

Defense Board

Dr. Lorenz G. Straub, director of the St. Anthony Falls hydraulic laboratory and head of the department of civil engineering at the University of Minnesota, has been selected permanent chairman of a panel of the research and development board of the United States department of defense. All other members of the panel are from federal agencies.

Model Dam

A "working" model of a stretch of one of India's largest rivers, the Godavari, has recently been constructed in the University of Minnesota's St. Anthony Falls Hydraulic laboratory on Hennepin island in the Mississippi river.

The model was built to enable Dr. L. G. Straub, director of the laboratory, and his assistants to work out the best method of controlling the Godavari during the construction of a huge concrete dam which will be one of the world's largest hydraulic structures.

★ The Reviewing Stand ★



Solves Mystery

PROMINENT in the book sections of newspaper and national magazines recently have been reviews of a new book by Dr. Frank Maloy Anderson '94, former professor of history at the University of Minnesota and at Dartmouth College. The book "The Mystery of 'A Public Man,'" has been published by the University of Minnesota Press.

At reunion meetings of the distinguished class of 1894 on the campus, Dr. Anderson has reported to his classmates on the progress of his investigations to determine the identity of the author of "The Diary of a Public Man," which was published in the *North American Review* in 1879. This "diary" became the source of many stories about Abraham Lincoln which have been considered authoritative by many Lincoln scholars, biographers and historians.

After 35 years of investigation, Dr. Anderson has determined the identity of "A Public Man" and presents proof in his book which he calls "a historical detective story."

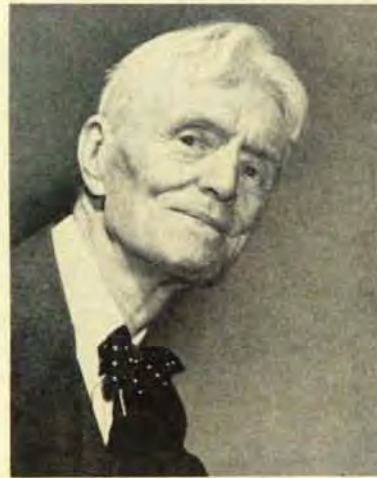
The historian's answer to the mystery is expected to surprise many of the top Lincoln scholars in the country who have guessed several other men as authors of the diary but never the man named by Dr. Anderson.

Much of the material in the diary, according to the historical detective, particularly the parts about Lincoln himself, is "pure invention," while a portion of it is genuine.

The diary, as it appeared in the *North American Review* under the subheading "Unpublished Passages of the Secret History of the American Civil War," is reprinted in Dr. Anderson's book.

Honored

On December 30, during the meeting of the American Historical Association in Washington, Dr. Anderson was the guest of honor at a breakfast sponsored jointly by the University of Minnesota Press and the history departments of Dartmouth and Minnesota.



DR. FRANK M. ANDERSON

Among the former Minnesotans present, in addition to Dr. and Mrs. Anderson, were Guy Stanton Ford, former president of the University of Minnesota and now executive secretary of the American Historical Association, and Mrs. Ford; Professor Wallace Notestein, a member of the Minnesota faculty before going to Yale, and Mrs. Notestein, the former Ada Comstock, first dean of women at Minnesota and later president of Radcliffe College.

Arthur J. Larsen, former superintendent of the Minnesota Historical Society; Dorothy Merideth, who taught in University high school; William D. Mallam, in the history department at Minnesota before the war, and Mrs. Mallam; Robert H. Bahmer, also formerly in the Minnesota history department and now assistant U. S. Archivist; Catharine Seybold, secretary to Guy Stanton Ford and granddaughter of Dr. Thomas S. Roberts; Carlyle Beyer, son of Thomas P. Beyer, professor of English at Hamline University; Winifred Helmes, now at Bradford Academy in Massachusetts, and author of *JOHN A. JOHNSON, THE PEOPLE'S GOVERNOR*, to be published by the University of Minnesota Press for the Minnesota Territorial Centennial.

Nat Finney, now chief of the Washington Bureau of the *Minneapolis Star and Tribune*; Russ Wiggins of

the *Washington Post*; Lee Grove also of the *Washington Post*; Marion L. Faegre, formerly of the Child Welfare department at Minnesota, and now with the U. S. Children's Bureau; and Mrs. Gertrude Hodson.

Reunion Record

In the matter of class reunions the Minnesota law class of 1904 has a record which can be matched by few, if any, class groups in any college in the country. The forty-fifth annual banquet of the class was held in Minneapolis this past fall with 17 members of the class present. Messages were received on the occasion from 23 other members.

Present were George P. Jones, Santa Ana, Calif.; Edward L. Rogers, Walker, Minn.; Edwin C. Ruble, Wilmar, Minn.; C. P. Diepenbrock, Red Wing, Minn.; A. G. Erickson, Springfield, Minn.; T. O. Gilbert, Willmar, Minn.; Day L. Grannis, South St. Paul, Minn.; and from Minneapolis, E. O. Dieson, Fred N. Furber, John Wm. Smith, Harry H. Thomas, Henry W. Volk, John R. Ware; and from St. Paul, William H. Oppenheimer, August E. Kuehne, Patrick J. Ryan, Frank A. Wildes.

Visits in Europe

During the summer of 1948, Mr. Earl Constantine '06, president of the National Association of Hosiery Manufacturers, visited several countries in Europe to observe manufacturing operations in the hosiery industry and to discuss mutual problems with business leaders in the various countries.

Mr. Constantine was also a delegate to the International Silk Congress, which met first at Lyon, France and later at Paris, and he was among the group of American industrialists invited by the Italian silk industry to visit their operations in northern Italy. He spent considerable time in England as the guest of British leaders in the industry and also visited Stockholm, Copenhagen, Amsterdam and Brussels.

Addresses Seniors

Dr. Raymond B. Allen '28Md, president of the University of Washington, was the speaker at the fall quarter commencement exercises in Northrop auditorium on December 16. Degrees were presented to more than 1,000 students by President J. L. Morrill.

Minnesota Teams

Sophomores

SOPHOMORES are playing important roles in the activities of the Minnesota basketball team this winter and Meyer (Whitey) Skoog of Brainerd has already established himself as one of the top performers in the conference. His high scoring and all-around floor play have contributed heavily to the success of the Gophers in the first half of the campaign.

The five foot, 11 inch sophomore was top defensive man on his high school team at Brainerd but little was heard of him in all-state circles because Brainerd never got as far as a district championship during his days on the squad. Following high school he entered the navy and played with the strong Green Cove Spring team in 1946 and 1947 and averaged 14 points a game for the two seasons.

Skoog is a student in physical education and plans to coach after graduation. Next spring he will report to Coach Dick Siebert as a candidate for the Gopher baseball team.

Cage Victories

The Minnesota Gophers of the basketball court completed their all-victorious pre-conference schedule of eight games with a victory, 70 to 46, over Colgate in the Field House on Jan. 1. It was the eighth straight win of the season for Minnesota.

In the Minnesota lineup were: Forwards — Skoog, 18 points; Grant, 11; Stark, 2; Skrien. Centers — McIntyre, 13; Ekberg, 2; Johanson, W. Salovich, 13. Guards — Mitchell, 7; Olson, 2; Bergstedt, 1; Lansing, E. Salovich.

Conference Wins

The Minnesota basketball team opened its Big Nine campaign in the Field House on January 8 with a resounding 45 to 31 victory over Michigan, defending title holder of the conference in the sport. Interest in the game was heightened by the fact that the Minnesota coach, Ozzie Cowles, was coach at Michigan last season.

High scorers for the Gophers in the conference opener were Jim McIntyre with 20 points and sophomore Whitey

Skoog with 16. The Minnesota defensive play was a highlight of the game. Minnesota players and scoring: Grant, 2; Skoog, 16; McIntyre, 20; Mitchell, 3; Olson, 2; Salovich, 2; Ekberg, Skrien, Bergstedt, and Kranz.

Wisconsin set a defense for high scoring Jim McIntyre which was effective to the point of holding the Minnesota center to six points in the game in the Field House on January 10. However, while the Badgers were concentrating on McIntyre, Whitey Skoog moved into the high scoring spot with 14 points on five field goals and four free throws.

Other Gopher scorers against Wisconsin were Grant, 9 points; Salovich, 7; Mitchell, 4; Olson, 4; and Stark, 2.

Minnesota and Wisconsin meet again in the final game of the current basketball campaign at Madison on March 5.

Big Nine

The close 20 to 14 victory of Northwestern over California in the Rose Bowl game on New Year's Day in Pasadena gives the Western Conference a record of three wins in the first three years of the five-year contract with the Pacific Coast Conference. Illinois defeated U.C.L.A. in the first game of the series and Michigan was the winner over Southern California last year.

There has been considerable dis-

cussion among the partisans on both sides about the Big Nine ruling which stipulates that a Western Conference school can represent the Big Nine in the Rose Bowl game only once in three years. Michigan won the conference title in 1948 but could not play in the Rose Bowl game because of this ruling.

Tournament

In the first game of a tournament in the Drake field house at Des Moines on December 29, the Minnesota cagers defeated Dartmouth, 64 to 52. It was the sixth straight victory of the season for the Gophers. Ozzie Cowles, new Minnesota basketball coach, was coach at Dartmouth for several successful years.

In the second and championship game of the four-team tournament the Gophers defeated Drake, 50 to 26. In the first round the Drake athletes had beaten Vanderbilt. Minnesota scoring leaders were McIntyre, Salovich, Grant, Skoog and Olson.

Hockey

During the Christmas holidays the Minnesota hockey team won two games from Yale. In the first game, played in the Minneapolis Arena, the Gophers of the ice swamped the visitors, 10 to 1. The second game, played in the St. Paul Auditorium, was a much closer contest with Minnesota winning, 4 to 2. In the second encounter, Bud Frick and Rollie DePaul each scored two goals for the Gophers.

Wrestling

The Minnesota wrestling team was scheduled to take a four-day trip this month to meet Colorado College, University of Colorado, Denver University and Nebraska.

The nine-man squad included three conference champions — Alan Rice, 136 pounds; Garth Lappin, 121 pounds, and Vern Gagne, heavy-weight.

Also making the trip were Don Hopperstad at 128; Dean Cates, at 145; Mervin Jensen, 155; John Pinz, 165, and Bob Adams, 175.



JIM MCINTYRE

Heads Institute of Radio Engineers

The Institute of Radio Engineers has announced the election of Stuart L. Bailey '27, as president of the Institute for the year 1949. Arthur S. McDonald of Australia was elected vice president.

Mr. Bailey has been a Fellow of the IRE since 1943. He is a consulting radio engineer and partner of the firm of Jansky & Bailey, Washington, D. C. Mr. McDonald, a Fellow of the IRE since 1941, is chief engineer of the Overseas Telecommunication Commission, Sydney, Australia.

Stuart L. Bailey was born in Minneapolis, Minnesota, on October 7, 1905. He received the degree of Bachelor of Science in Electrical Engineering from the University of Minnesota in 1927, and the Master of Science degree from the same institution in 1928. During his undergraduate years he was active on the staff of W9XI, an experimental station run by the University; while taking his graduate work he was chief engineer of WLB, owned and operated by the University of Minnesota. His Master's thesis was on the subject of radio field-intensity measurement.

In the summer of 1928, Mr. Bailey accepted a position as assistant radio engineer with the airways division of the United States Department of Commerce. His experience there included work on radio aids to marine and air navigation. He initiated and supervised the early work of the Lighthouse Service on radio-controlled fog signals, and participated in the development of the visual radio range for use on the airways of the United States.

In the summer of 1929, Mr. Bailey went to Panama, where he installed two automatic marine radio beacons, one at the entrance to Cristobal Harbor, and the other at Cape Mala, 120 miles south of Balboa.

In September, 1930, he joined with C. M. Jansky, Jr., to form the consulting engineering firm of Jansky & Bailey. Mr. Bailey's activities in the consulting field have been on both general allocation problems and specific engineering guidance for broadcast stations and commercial operating companies. He has had charge of all of the laboratory activities of the firm, including the development of field intensity measuring equipment and other devices used by the firm in evaluating radio station effectiveness.



STUART L. BAILEY '27

He became an Associate Member of the Institute of Radio Engineers in 1928, a Member in 1936, Senior Member in 1943, and was advanced to the grade of Fellow in the same year. He was a member of the Committee on Wave Propagation from 1937 to 1947, and was a member of the Admissions Committee in 1943 and 1944. He was appointed a member of the Board of Directors of the Institute in 1943 and 1944 and was elected to the Board for a three-year term beginning in 1945. He was a member of the Executive Committee

in 1945 and 1946 and Treasurer in 1948. Mr. Bailey is a member of Sigma Xi, Tau Beta Pi, and Eta Kappa Nu.

Directs Stanford Research Division

DR. CLEDO BRUNETTI '32IT, '37Ph.D., outstanding young scientist in the United States, is the new associate director of the Stanford Research Institute in Palo Alto, California. The Research Institute was set up by West Coast industrialists and Stanford University trustees to play a major role in giving sound impetus to the expansion of western states. It is not a part of the Leland Stanford University but an independent part of the Stanford system. Research will be conducted to find ways and means of utilizing the natural resources of eleven western states. Among clients of the institute are such firms as Standard Oil, Pepsi-Cola, the United States government, several states and many other public and private agencies.

For the past several years, Dr. Brunetti has been chief of the electronics division of the bureau of standards in Washington, D. C. Prior to that time, he was a member of the faculty of the Lehigh University, Bethlehem, Penn-



When A. A. Anderson '29CE, came to Minneapolis from South America this fall on a brief visit, the members of his civil engineering class living in the Twin Cities decided that the occasion called for a reunion. Of the 14 members of the class living in the Twin City area, 13 were present at the dinner at which the above picture was taken. Seated, left to right, are Robert N. Lohn, Ralph Campbell, A. A. Anderson, and Louis Schaller. Standing, left to right, Lloyd Erickson, Win Hinderman, Paul Helseth, Doug Shoemaker, Cecil Burch, J. O. Grant, Don Dunshee, Merl Solberg and James Hartigan.

sylvania, a position he accepted after receiving the first degree of doctor of philosophy in engineering given by Minnesota. While earning his doctorate, he was a teaching fellow in the department of electrical engineering at the University.

His scientific accomplishments are numerous. The world famous electronics engineer played a very important role in the development of the



CLEO BRUNETTI '32

radio proximity fuse, second only to the atom bomb. Dr. Brunetti's work on this project entailed direction of a large group of scientists in the National Bureau of Standards and participation in installation and direction of accompanying research in more than two dozen university and commercial research laboratories.

Dr. Brunetti is also the inventor of the tiny pocket two-way radio, better known as the "Dick Tracy" radio. It is so small that it fits into a cigarette package and is operated by a printed radio circuit. He also helped design a larger vest-pocket edition of his radio for President Truman which transmits within range of the White House grounds.

In 1941 he was selected America's outstanding engineer by Eta Kappa Nu, honorary engineering association. The selection was made by a jury of nationally known engineers and professors.

Dr. Brunetti took up his new duties January 3. His wife, the former Nona M. Billmyre '41, and two children will remain at their Silver Springs, Md., home until the close of the school term.

Obituaries

Calvin A. Fleming '92, died recently in Louisiana following a long illness. He was 90. He was owner of the historic Bertheaud Plantation in Barataria, Jefferson parish, which comprises the oil field, one of Louisiana's major oil fields with an estimated yield of 10,000,000 barrels. Mr. Fleming practiced law in St. Paul for several years and carried on a trading practice, going to Louisiana in 1920. He is survived by two sons and two daughters.

Frank X. Drechsler '99PhM.D., died January 4. For several years he was proprietor of Riverview Pharmacy, 127 W. Winifred St. St. Paul.

Harold George Lains '01LLB, '03LLM, retired St. Paul businessman, died recently. He was 70. He retired from the position of mechanical department head of West Publishing company, a position he had held for many years.

Samuel O. Severson '03, '04MA, Minneapolis educator, died in December at the age of 71. He retired in 1946 after serving as principal of South high school for 12 years and a public school teacher for 31 years. Before joining the Minneapolis school system he was a professor of English and chemistry at Augsburg college for 11 years.

Theodore Christianson '06BA, '09LLB, former Minnesota governor, died in December. He was 65. Death resulted from a heart attack brought on when he attempted to start his stalled auto near his home at Dawson, Minn. For six years he was publisher of the Dawson Sentinel. In 1915 he was elected to the state Legislature, where he served for 10 years. He was governor for six years being elected for the first time in 1925 and reelected in 1927 and 1929. He was elected to Congress in 1935 and served for four years.

Claes T. Ekman '10CE, director of water resources for the Minnesota department of conservation, died recently at his home, 109 W. Rustic Lodge Avenue after an extended illness. For many years he maintained his own engineering and architectural firm in Minneapolis, and had served with the United States corps of engineers on design of locks and buildings at Sault Ste. Marie, Mich.

Dr. Anton L. Nelson '12D, state dental leader and a member of the advisory committee of the University of Minnesota Alumni Association, died December 12 at Ada, Minnesota. He was 62. He had practiced dentistry there for 36 years and served as mayor for five terms. President of the school board for 12 years, he was a member of the hospital board, a trustee of the Minnesota Dental association and a member of the county nursing advisory committee.

Gilbert Hendrickson '12; '14Md, died recently in Minneapolis. For the past several years he had practiced medicine at Enderlin, N.D.

Dr. Gerald C. P. Roskilly '13BS, died in December. He was 57.

Margaret Q. Corkery '14; '16MA, former Minneapolis resident, died recently in Lewiston, Mont. at the age of 54. Before going to Montana she was a teacher at Bemidji state teachers college.

Mrs. William H. Brown (Alice M. Fulton) '17) died December 18 in Minneapolis. She was 55.

Dr. Earl W. Plonty '18D, died December 29 in Minneapolis. He had practiced dentistry here for many years. He was 53.

Dr. Frederick V. Davidson '19D, Minneapolis dentist for many years, died in December. He was 56. He had lived in Minneapolis at 3617 Dupont Avenue S. since his graduation from the University. He was a member of the Andrew male quartet and of Delta Sigma Delta and Omicron Kappa Upsilon dental fraternities. He is survived by his wife, the former Lea Madison '17.

Dr. Winslow S. Anderson '23MS, sixth president of Whitman college, Walla Walla, Wash., died recently following a major operation at Rochester, Minnesota. He was 50. Dr. Anderson was a member of the board of directors of the Association of American Colleges, a founder of Theta Kappa Nu which merged with Lambda Chi Alpha of which he was a national trustee, a fellow of the American Association for the Advancement of Science and a number of other academic organizations. He served as dean of Rollins college, Winter Park, Florida, from 1929 to 1942.

Mrs. Gordon L. Bjornstad (Evelyn J. Norstrom) '30) died in December in Minneapolis. She was 38.

Marjorie L. Page '31; '32MA, psychologist, died November 28 in Milwaukee, Wisconsin.

Dr. Loren F. Race '38D, died December 10. He was 44. Dr. Race had practiced dentistry in Plainview, Minn., for the past several years.

John E. Davies '43, died in Minneapolis in December. He was 54. Mr. Davies was a member of Delta Theta Phi.

News Notes

— 1903 —

Ruth West '03, was the speaker recently at a meeting of the A.A.U.W. at Waseca, Minn. She spoke to the group on the recent National and International A.A.U.W. Conventions which she attended at Dallas, Texas, and Toronto, Canada. Miss West was Chairman of the department of social studies at Lewis and Clark High School in Spokane, Washington, before retiring to make her home in Faribault, Minn.

— 1904 —

John W. Dye '04, Santa Barbara, California, sent us a letter recently telling about the trip he and his wife enjoyed this past summer. They drove north to Vancouver, visiting friends and relatives along the way and enjoying some fishing. On August 13, he caught his first "Tyee" (King Salmon) which weighed 39½ pounds on light tackle.

He also gives the addresses of his three sons, **Willard J. Dye** '39, U. S. Steel Export Co., 30 Church Street, New York City; **George W. Dye** '39, Department of the Army, Washington, D. C.; **Phillip G. Dye** '37-'40, Lt. Commander, U. S. Navy, Navigation Office on Admiral's Flagship "Eldorado," San Diego, Calif.

— 1906 —

John O. Halvorson '06; '07, is living in Tucson, Arizona. He has retired from animal nutrition research which he established in Raleigh, North Carolina, in 1920. His home address is 3250 E. Hawthorne Street, Tucson.

— 1909 —

Walter M. Moore '09F, writes that he is still at Wright Field, now known as the Wright-Patterson Air Force Base, Dayton, Ohio. It is the headquarters for research, procurement and supply activities of the U. S. Air Force. His home address is 34 N. Central Avenue, Osborn, Ohio.

— 1910 —

Bess M. Rowe '10HE, women's editor of *The Farmer*, a St. Paul publication, recently won honors in a writing contest sponsored by the Grocers' & Manufacturers' association of the United States. Miss Rowe chose for her theme, "Life Line of America," which dealt primarily with the essential processes of food from the field to the table.

Winner of second place she was awarded a framed citation at the awarding ceremonies which were held in New York City.

— 1911 —

A. C. Borgeson '11M, is living in Chisholm, Minn., where he is chief mining engineer for the Snyder Mining Company.

— 1912 —

Harold J. Leonard '12D; '15BA, and his wife, the former **Marion Slater** '13, are living at Scarsdale, New York. Dr. Leonard is practicing dentistry, mostly periodontia, in New York City. He severed his long time teaching connections with Columbia University in 1947. Professionally he is active in the American Academy of Periodontology and as secretary of the American Board of Periodontology and the Advisory Board of Dental Specialists. Mrs. Leonard is active in local clubs, hospitals and political work.

— 1914 —

Renville Stevens Rankin '14IT, assistant manager of North American sales for The Dorr Company, in charge of sanitary engineering work, left for Europe on the Queen Elizabeth early in December, for a three months' visit to Great Britain and the Continent.

During his stay abroad he will inspect sewage and water treatment plants in the various countries which his company serves, and will confer on

modern sanitary engineering practices with his company's associates in London, Amsterdam, Brussels, Paris and Milan.

— 1920 —

Donald D. Harries '20LLB, assistant general solicitor of U. S. Steel Corporation subsidiaries in the Duluth area, has been named general solicitor. Mr. Harries is a past president of the Eleventh District Bar association and of the Minnesota State Bar association. His offices are at 700 Wolvin building, Duluth, Minn.

— 1923 —

Horace Van Valkenburg '23, Minneapolis attorney, has been named a member of the Eighth United States civil service regional loyalty board. The purpose of the board is to pass on disputed cases of loyalty of government employees. Mr. Van Valkenburg resides at 5604 Colfax Ave., Minneapolis.

— 1924 —

I. W. Johnson '24IT, was one of the speakers at a national AIEE conference on electric welding in Detroit, December 6, 7 and 8. The title of his talk was "Recent Advances in Single Phase Welding."

Mrs. J. O. Ylverton (**Corinne Jacobson** '24N), is in charge of a Tuberculosis hospital in Seattle, Washington. Her address is 3630 Wallingford.

Paul S. Amidon '24; '34MA, has resigned as director of the educational services section of General Mills, Inc., and has become an independent educational consultant to business. He will open offices in Chicago. A former superintendent of schools in St. Paul, he joined General Mills in 1944 and has also served as deputy state commissioner of education. For the present Mr. Amidon resides at 140 Otis Ave., St. Paul.

— 1925 —

Carl E. Anderson '25; '29LLB, has announced the opening of an office and the resumption of practice in Law, Accounting and Taxation to provide Personal and a Business Consultation Service. The office is located at 801 Commerce building, St. Paul, Minn.

— 1927 —

Sidney L. Stolte '27IT, has been elected a vice president of the National Society of Professional Engineers. He is a member of the P. C. Bettenberg architectural and engineering firm in St. Paul. Stolte will head activities of the organization in Minnesota, Iowa, Missouri, Kansas, Nebraska, Montana, North and South Dakota and Wyoming. The NSPE has about 19,000 members.

University Contributions Cited by Governor in Inaugural Statement

In his inaugural address this month, marking the beginning of his second term in office, Governor Luther Youngdahl made the following statement on the University of Minnesota:

"Our state University is known throughout the nation and the world as one of the greatest institutions of higher education. It has become great because the people of Minnesota early recognized its worth and have been willing to pay for its continued growth. We cannot begin to accurately appraise its magnificent contribution in preparing young men and women for the responsibilities of better citizenship and service to their fellow men. Clearly, the state University has proved, and will continue to prove, that it is one of the most worthwhile investments made by the citizens of Minnesota. We must be sure that adequate finances are provided to carry on this work. We must look to salary needs in order to retain skilled teaching staffs and provide adequate buildings and the necessary equipment so that the University may continue as one of the great centers of learning in our nation."

— 1929 —

Stuart E. Cornell '29, is now associated with the Boston-Partridge general agency of the New England Mutual Life Insurance company, as a life underwriter. He received his LL.B. degree from Northeastern University this year.

Margaret Wadd '29N, recently completed work at Wayne University leading to Bachelor of Science degree with a major in Public Health. Miss Wadd resides at 1151 Taylor Avenue, Detroit, Michigan.

— 1930 —

Dr. Donald A. Dukelow '30, director of the health and medical care division of the Hennepin county Community Chest and Council, will leave in February to become medical consultant on health and fitness for the American Medical association in Chicago. He has been active in public and private health services, serving as director of public health education for the Minnesota department of health from 1937 to 1945 and a country doctor during the depression years. Dr. Dukelow has been secretary of the public health education section of the American Public Health association since October 1947 and executive secretary of the Minnesota Public Health conference since January 1947. He writes a monthly column on medical economics for the Hennepin County Medical society on controversial issues facing the medical profession today. In his new position he will be a consultant to school administrators and physicians associated with school health programs, assisting them in developing high standards of child health and school health services.

Robert D. Davis '30, is now agency supervisor for the New England Mutual Life Insurance Company in St. Paul, Minn. A former M man for the University, he has been active in many civic affairs in the Twin Cities. He resides at 642 Lincoln avenue, St. Paul.

— 1931 —

Walter Wyant '31, Mason City, Iowa, has arrived in Athens, Greece, where he is teaching in the English department at Athens college. The college provides education on the American model for Greek youth who have grown up in the chaos of war. Mr. Wyant served with the Red Cross during the war and prior to that time was a counsellor in the University of California extension division.

Edward J. Megroth '31; '37MA, former faculty member at the University of Minnesota, has been appointed as-



WHEN THE Oklahoma football team arrived in Biloxi, Miss., late in December to make final preparations for Sugar Bowl game with North Carolina in New Orleans, two Minnesotans on the Sooner coaching staff were greeted by O. S. Zelner, center, former professor of civil engineering at Minnesota. On the right is Charles (Bud) Wilkinson '37, Oklahoma head football coach and athletic director, and on the left, Walter Hargesheimer '36, backfield coach.

Mr. Zelner was program chairman of a dinner given for the members of the Oklahoma coaching staff and their wives by the Biloxi Lions Club on Dec. 29. Before his retirement in 1946, Mr. Zelner served for 25 years as chairman of the faculty Senate committee on the eligibility of Minnesota athletes and is an honorary member of the M Club. As chairman of the faculty committee on buildings and grounds he also had a part in the designing of Memorial stadium and the Field House. Mr. and Mrs. Zelner are spending the winter months in Biloxi.

assistant professor of English at Washington University in St. Louis, Mo. He was a member of the Stephens College faculty, Columbia, Mo., and from 1944 was chairman of the Humanities department there. He is the author of the textbook, "Counselling Is Teaching," and contributor to numerous educational publications.

T. R. Brouillette '31IT, president of the L. S. Donaldson Co., Minneapolis department store, since 1944, is moving from Minneapolis to New York from where he will be in charge of expansion, modernization and new construction for the Allied Stores, Inc. The Allied Stores consists of 74 stores and is one of the two largest groups of department stores in the country. Mr. Brouillette is vice president of the organization. He will retain active supervision over seven of the stores, including Donaldson's in Minneapolis and the Golden Rule in St. Paul, along with his other work. The program he heads now includes 15 major construction jobs in the country and a like

number is contemplated in the next two years.

In 1934 he joined Donaldsons as a stock boy and in 1939 was made assistant managing director, in 1943 managing director, and in 1944, president. His wife is the former Sunshie L. Noah '31Ed.

— 1932 —

W. O. Mills '32B, vice president and general manager of Manchester Biscuit company, Sioux Falls, South Dakota, was in Minneapolis for the Homecoming game.

— 1933 —

Alton D. Hill '33; '37MA, is residing in Munich, Germany, where he is in charge of Vocational Education work for Land Bavaria under the Education and Cultural Relations division of the American occupation. His address is E and C R Division, OMGB, A.P.O. 407-A, care Postmaster, New York, New York.

— 1934 —

Dr. Willis A. Cortner '34, is living at 4333 Royal Place, Honolulu, where he

is head of the chemistry department at the Pineapple Research Institute.

S. T. Neveln '34MA, was honored recently by the school board at Austin, Minn., for "outstanding contribution to education in Austin" by naming a new grade school "Neveln School." Mr. Neveln is the superintendent of schools there.

Mrs. Gerhard Lane '34Ed, is teaching music at the Hilo Intermediate school, Hilo, Hawaii. She resides at 115 C Banyon Drive.

Geraldine Crawford '34Ed, is director of instrumental music in the Monrovia City schools, Monrovia, California. Her address is 251½ N. Ivy.

Norman D. Christensen '34, has been appointed assistant professor of journalism and supervisor of student publications at the University of Miami, Coral Gables, Florida. Christensen is a former member of the Minneapolis Morning Tribune staff, on which he was successively reporter, make-up editor, copyreader, and assistant telegraph editor. He has taught journalism at Hamline University, St. Paul, and at the College of Journalism, University of Colorado.

The Carroll Hawkins family (**Christy Tostenson '34N**) recently moved to 4703 Crescent Street, Washington, D. C.

— 1935 —

Leslie A. Grant '35; '37L, is the new acting chief of the legislation branch of American military government's civil administration in Germany. His first job in 1949 will be to encourage the German people to exercise their rights in government as the Americans do instead of delegating authority to administrative executives.

Grant went to Europe in 1945 with the foreign economic administration after serving as chief counsel in the food price division of OPA. His first assignment was in Italy, being sent to Vienna as economics adviser to the chief of the Austrian mission of the FEA later. Grant is also a former member of the Minneapolis law firm, Leonard, Street and Deinard.

— 1936 —

Mrs. Robert D. Elliott (Dorothy Brevig '36N), is living at 285 Laun Street, Altadena, California. She is the mother of five youngsters, a girl, nearly seven, and two sets of twin boys, four and two years old.

— 1938 —

Emma M. Birkmaier '38MA, was recently elected for a three-year term as secretary of the American Association

of Teachers of German at a convention held in New York City. She is an instructor at University high school in Minneapolis.

— 1939 —

Dr. Alvin B. Knudson '39Md, is the new chief of the Veterans Administration physical medicine rehabilitation division. His duties will include supervision of physical, occupational and manual arts therapy in 126 United States veterans' hospitals. Dr. Knudson joined the VA soon after graduation from the University and has served in hospitals at Minneapolis, St. Cloud, Minn., Fort Custer, Michigan, and Dwight, Illinois.

Nathan H. Boertz '39Ed; '43MA, has moved from Cokato to Minnesota Lake where he is the new superintendent of schools.

— 1940 —

William R. Sandberg '40Ed, has gone to Brewster, Washington, where he will take a school principalship.

Dr. Kenneth M. King '40Ph.D., is an entomologist for the Dominion Entomological laboratory, Victoria, B. C. His address is Box 2032, Route 4, Victoria, B. C., Canada.

Joseph P. Wronski '40, formerly with the Shell Oil company, has joined the staff of Battelle Institute of Columbus, Ohio. He will be engaged in research

in graphic arts technology. Mr. Wronski is a member of the American Physical society.

Gov. Luther W. Youngdahl has appointed **Courtney A. Slife '40LL.B.**, as Albert Lea municipal court judge. A veteran of the marine corps, he is secretary of the Albert Lea Junior Chamber of Commerce and president of the Tenth District Bar association. Mr. and Mrs. Slife (**Pauline French '39**) reside at 915 Clausen, Albert Lea, Minn.

— 1942 —

Robert O. Ringoen '42IT, was married to Lois M. Rothwell in December. After a trip to Chicago, the Ringoen's will be at home in East Lansing, Mich., where Mr. Ringoen is a member of the mechanical engineering department faculty at Michigan State college.

— 1943 —

Robert A. Larsen '43BS; '47Ph.D., and his wife, **Alice Brown Larsen '46**, announce the birth of their second daughter, **Mary George**, on October 18, 1948. The Larsens are living in Wawa, Pennsylvania. Dr. Larsen is employed by the duPont company in Wilmington, Delaware.

William S. Caldwell '43, former newspaper reporter, now an officer in the Foreign Service of the United States, has been transferred to Palermo as Third Secretary and Vice Consul from Rome. Prior to being commissioned a Foreign Service Officer, Mr. Caldwell was a reporter on the Winona Republican Herald. He also contributed to the Minnesota Daily and to Esquire. From 1943 to 1946 he was in the United States Army as a Second Lieutenant.

— 1944 —

William M. Lindgren '44, is in Shanghai, China, where he is employed as foreign representative for the Texas Co. His address is P. O. Box 1321, care of Texas Co., Shanghai.

The appointment of **Dr. Shailer A. Peterson '44Ph.D.**, as secretary of the Council on Dental Education of the American Dental Association was announced recently. For the past four years, Dr. Peterson has served as director of educational measurements for the Association and has been in charge of the development of a comprehensive aptitude testing program for dental students. The testing program is now being used by 40 of the nation's 41 dental schools.

Dr. Peterson is a recognized authority in science education. He formerly was an assistant professor of education at the University of Chicago and

Historic Game

Fred R. Schweitzer '05L, of Santa Ana, Calif., writes: "In the November issue of the Alumnus when I got to page 89 and was asked 'Do you remember when?'—well, that 6 to 6 Minnesota-Michigan game of 1903 is so vividly impressed on my memory that I can still see the bleachers getting emptied, with the crowd surging over the field at dusk when there were about two minutes left to play. The players were hoisted into the air by the students and carried to the locker room. Those were the days when the late Gilmore Dobie was with the squad.

"I was a spectator in Dr. Cooke's office on the second floor of the Armory—and was water boy for the football team at the training table. My work at present as deputy constable for Santa Ana Township, Orange County, Calif., keeps me going, even though I have been retired from YMCA work for 17 years."

served as coordinator of the evaluation study of Indian education for the U. S. Office of Indian Affairs. Before joining the association in Chicago, Dr. Peterson was director of educational research and measurement and associate professor at South Dakota State College of Agriculture and Mechanic Arts. During the war he served as a member of the examination staff of the U. S. Armed Forces Institute.

In his new position, he will continue in charge of the nation-wide dental aptitude testing program and will also direct other activities of the Council which include the accreditation of dental schools and schools for auxiliary dental personnel. The Council works cooperatively with the dental schools and the boards of dental examiners in all of the states.

Dr. Peterson resides at 164th and Turner Ave., Route 1, Harvey, Ill.

— 1945 —

Jeanne Ludvig '45N, is residing in St. Cloud, Minnesota, where she is employed as health nurse at Technical high school there.

Mrs. Erik Lessner, the former **Eldrid Batzer '45M**, is living in Oslo, Norway. Her address is Bergradueien 9, Tasen, Oslo.

— 1946 —

R. J. Rieke '46IT, is employed by the General Electric company, Schenectady, New York, in the Electric Consulting and Engineering laboratory.

Bettymae Fredericksen Miller '46 GN, is the leading lady on a weekly television show. She plays Miss Ross, the nurse, in "Your Family Doctor," sponsored by the Baltimore City Health department and the Medical and Chirurgical faculty. If you are near Baltimore on any Tuesday evening, you can see Betty on WMAR Channel Two at 8:00 p.m.

Dr. Max Bakalinsky '46, and Mrs. Bakalinsky are living in Wilmot, S. D., where Dr. Bakalinsky is practicing medicine. They have a new daughter, Polly Jean, born last November. They also have a son, Eric L., age 4.

Beverly Jayne Quade '46, is in New York City where she is employed by Time magazine. Her address is 123 W. 13th Street, New York.

Ruth E. Hodgson '46MdT, was married in December to Don Edwin Cadwell of Mora, Minn. Following a wedding trip, Mr. and Mrs. Cadwell are at home at Chapman camp, British Columbia, where Mr. Cadwell is a metallurgical engineer with the Con-

Comments on Greater University Fund

What our alumni say about the Greater University Fund . . .

"In common with all loyal alumni I have been very much interested in the establishment of the Greater University Fund. It is true that the last state legislature adopted a liberal attitude in its support of our University. But there are activities of greatest importance to the welfare of the University which are not considered in the legislative grants. A well established University Fund will be of invaluable aid in rounding out the University program."

W. F. Braasch, Med. '03

"The good work of the University of Minnesota goes on from year to year. What it has done in the past for its alumni it continues to do for each succeeding generation. Our University deserves some annual tangible token of appreciation from each former student. The Greater University Fund will have the voluntary support and thanks of grateful alumni."

Edgar F. Zelle, Arts '13

"I think the project is an excellent one . . . am enclosing my check."

Barbara Clark, Ed. '41

The Fund gets University Staff support, too . . .

"I am enclosing my check and hope I can repeat it regularly each year."

Charles Netz, Pharm. '21

Professor, Pharmacy

"I'd like to be counted in."

Richard L. Kozelka, Ph.D. '31

Dean, School of Business Administration

"I shall be pleased to contribute annually."

W. E. Peik, Ed. '11

Dean, College of Education

" . . . contribution enclosed to indicate our interest and support . . ."

Harold S. Diehl, Med. '18

Dean of Medical Sciences

solidated Mining & Smelting Co. of Canada, Ltd.

— 1947 —

Morley Vial '47, has been a hostess for the Northwest Airlines since last March. She plans to get an assignment on either the Orient or Honolulu flight soon.

Earl H. Mosiman '47, is now associated with the Minneapolis general agency as a life underwriter. He is a member of Phi Epsilon Kappa and served in the Navy during the war.

H. L. Marohn '47IT, formerly in the General Electric Test Course is now in the General Electric Consulting and Engineering laboratory.

Sarah Rayman '47, recently completed a course of study at the Katharine Gibbs School in New York City.

Robert W. Johnson '47L, has been named municipal judge at Anoka by Gov. Luther W. Youngdahl. Active in community affairs, he is president of the Anoka Chamber of Commerce, president of the Anoka Booster club and a member of the district and state bar associations.

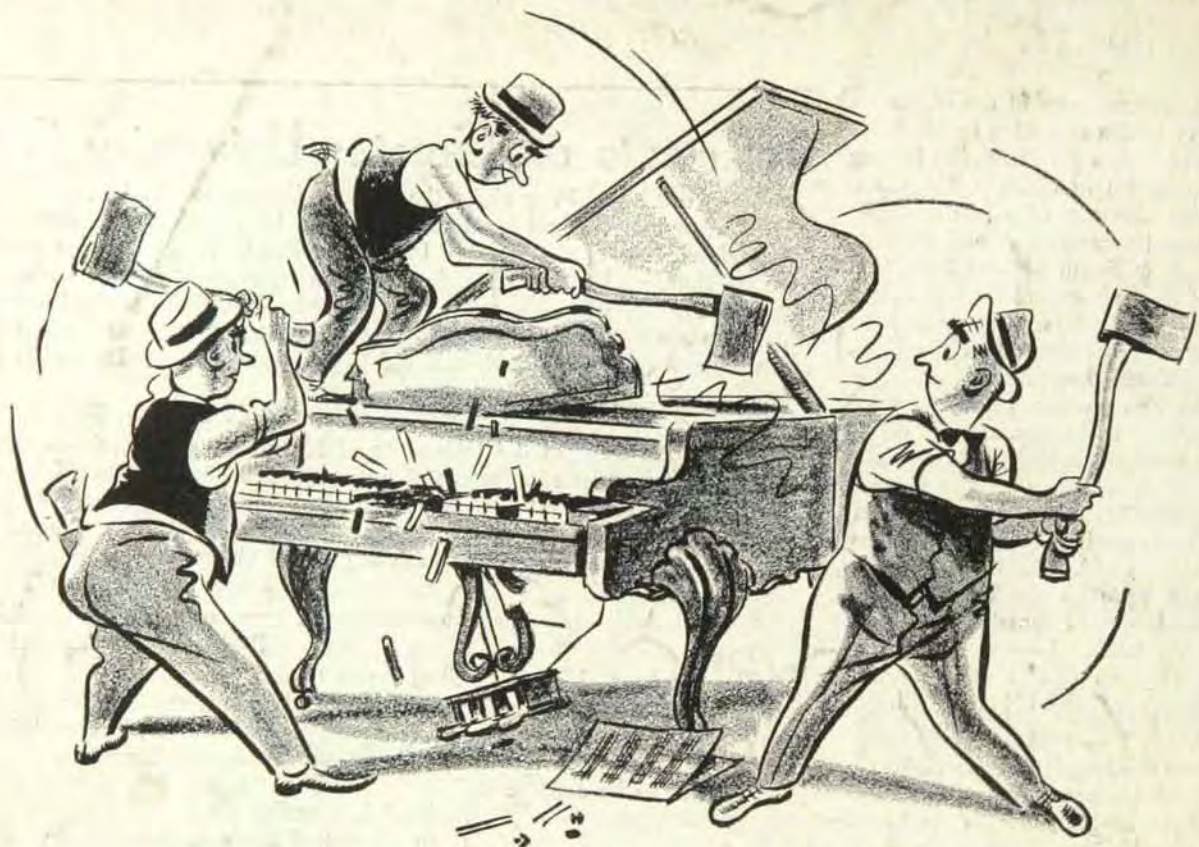
Dr. Park Borgeson '47Md, is serving as resident doctor at City County Hospital in El Paso, Texas.

Dorothy L. Milton '47, is now wearing the wings of a United Air Lines stewardess after having completed three weeks of training at the company's stewardess school in Cheyenne. She is flying on United's Mainliner flights out of Salt Lake City. Also on the Mainliner flights is **Betty M. Gilles '47**, who also has just completed the training at the company's stewardess school in Cheyenne.

— 1948 —

Marriage vows were spoken by **Miss Gloria Zeman '48N**, and **Foster A. Blankenbaker** in December. Mr. and Mrs. Blankenbaker will be at home in Detroit, Michigan, following a trip to California.

Arlene V. Jacobson '48, was married recently to **Joseph Knoblauch** in St. Paul, Minn. After a wedding trip to Florida the couple will be at home in St. Paul. Mrs. Knoblauch is a member of Delta Gamma sorority. Mr. Knoblauch will graduate from the University in June.



How to tune a piano!

The piano's out of tune. So we'll chop it up. Then we'll get a tin horn instead.

Sure, these men are crazy.

But they're using the same kind of thinking a lot of people have been using on the American economic system lately.

Our American way isn't perfect. We still have our ups and downs of prices and jobs. We'll have to change that. But even so, our system works a lot better than the second-rate substitutes being peddled by some countries we could mention.

It works better because of a few simple things. We are more inventive, and we know how to use machine power to produce more goods at lower cost. We have more skilled workers than any other country. We believe in collective bargaining and enjoy its benefits. And we Americans save—and our savings go into new tools, new plants, new and better machines.

Because of this, we produce more every working hour . . . and can buy more goods with an hour's work

than any other people in the world.

We can make the system work *even better*, too: by *all of us working together* to turn out more for every hour we work—through better machines and methods, more power, greater skills, and by sharing the benefits through higher wages, lower prices, shorter hours.

It's a *good* system. It can be made *better*. And even now it beats anything that any other country in the world has to offer.

So—*let's tune it up, not chop it down.*

Want to help? Mail this!

I want to help.

I know that higher wages, lower prices, shorter hours and larger earnings can all result from producing more goods for every hour all of us work.

Therefore, I will ask myself how I can work more effectively every hour I am on the job, whether I am an employee, an employer, a professional man or a farmer.

I will encourage those things which help us produce more and add to everyone's prosperity—things like greater

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use of mechanical power, better machines, better distribution and better collective bargaining.

I will boost the good things in our set-up, and help to get rid of the bad.

I will try to learn all I can about why it is that Americans have more of the good things of life.

Please send me your free booklet, "The Miracle of America," which explains clearly and simply, how a still better living can be had for all, if we all work together.

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How to tune a piano!

Minnesota
ALUMNUS

Vol. 48

February, 1949

No. 6



JAMES M. BANGHART, SAN FRANCISCO

Here's another career story that'll interest college men H.C.C.

Things broke fast in 1940. In June I was graduated from Harvard with a degree in Physics. By October I was a Meteorological Cadet in the Air Force. Then, after five and a half years in the service, I was a civilian again. *(He came out a Lt. Col. — H.C.C.)*

That brought me to a career crossroad. Physics was too far in the past to return to, and meteorology didn't appeal to me as a lifetime job.

So I decided to draw up a description of the career I'd really like. Some sort of selling was indicated, because I don't like paper work, but do like to move around and talk to people. I wanted freedom of action--a business of my own that didn't require a lot of capital. I didn't want a ceiling on my earnings, nor a slow climb through a seniority system. And, after seeing the inhumanities of war, I felt that if, in addition, I could be of some public service, the job would be just about perfect.

Life insurance, it turned out, was the only field that fitted all these specifications. And that discovery brought me to the question, "Which company?". I began my search by calling on New England Mutual. Six weeks and eight companies later, after exhaustive comparisons, I was back at New England Mutual, taking an intensive training course. After that, I started out on my own in San Francisco, the city of my choice.

(He sold over \$300,000 of life insurance his first year H.C.C.)

Today, two and a half years later, I know I chose the right career and the right company. I'm still getting the finest training available, and I'm at home in "The best paid profession in the world." My income is in exact proportion to the time and effort I put in. And best of all, I enjoy the deep satisfaction of knowing I'm helping others--helping them achieve that vitally important goal, financial security.

James M. Banghart

GRADUATES of our Home Office training courses, practically all of them new to the life insurance business, are selling at a rate which produces average first-year incomes of \$3600. The total yearly income on such sales, with renewal commissions added, will average \$5700.

Facts such as these helped James Banghart solve his career problem. If you'd like to know more, write Mr. H. C. Chancy, Director of Agencies, New England Mutual Life Insurance Company, 501 Boylston Street, Boston 17, Massachusetts.

These Univ. of Minnesota men are New England Mutual representatives:

JOHN A. HUMMEL, '99, St. Paul
 STUART E. CORNELL, '29, Boston
 LOUIS M. SCHALLER, '29, Minneapolis
 ROBERT D. DAVIS, '30, St. Paul
 MAILAND E. LANE, SR., '32, Minneapolis
 HUBERT D. WHEELER, '34, Duluth
 FRED W. GOULD, '35, Minneapolis
 FRANCIS "PUG" LUND, '35, Minneapolis
 LLOYD V. SHOLD, '42, St. Paul
 WILLIAM F. BRANDT, '43, Minneapolis
 EARL H. MOSIMAN, '47, Minneapolis

Get in touch with them for expert counsel on your life insurance program.

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THOMAS C. BUXTON, Ex'40, Editor

The Minnesota Alumni Association

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Greater University Fund

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Campus Figure Dies

Herman Glander, known to thousands of University of Minnesota graduates and former students as the "campus cop," died February 4. For 35 years, until his retirement in 1943, Glander, a Minneapolis policeman, had the University campus as his beat. He served under six University presidents and missed only one Gopher home football game in his 35 years on the campus. By occupation, Herman was an officer of the law. By inclination and practice, he was friend of the campus community, from the presidents to the most homesick freshman.

EDITORIAL

A New Program for a Better Job

Alumni reorganization is now under way. The need for reorganization was brought about because of three factors, the war, the sudden growth of our University, and the establishment of the Greater University Fund. The war not only disrupted but virtually destroyed all semblance of alumni organization. Since the war and until people decided to stay in one place, reorganization was impossible—but now is the time.

In the fall of 1945 the University had a student enrollment of some 13,000. The fall of 1946 found the enrollment over 23,000. This tremendous growth, of which some 14,000 were war veterans, brought many new and difficult problems. It meant some 5,000 new alumni each year. It meant also that the impact of regular and ordinary traditions did not envisage the more adult students. The result is a more difficult alumni job which must be supported by a strong organization and an attractive and exciting alumni program which will have meaning for all Minnesota men and women everywhere. The Greater University Fund was created in 1947 and the success of such a Fund depends to a large extent on the organizational plan of the Alumni Association and enunciates the need for strong alumni organization.

The keynote of the reorganization is *service*—service to all University of Minnesota graduates and former students. As a service organization the Alumni Office is dependent upon *your* interest and support. The job of the Alumni Office is to *represent you* on the campus, to be your eyes, ears, and voice. However, it must be a two-way street, meaning that you must keep in constant touch with your alumni representatives on the campus and indicate the service you want, and the way you want it, your particular interest in the University, and what opportunity for service you would like.

In this issue you will find a story on the new membership plan. Membership in the Association is your passport to alumni activities and programs and indicates your interest and desire to help. It is your only *official* continuing connection with your University. It entitles you to receive the MINNESOTA ALUMNUS and other privileges of membership. Under the capable direction of Jerry Friedell, who now has the job of membership secretary, we will be better able to keep in contact with you and thereby be of greater service to you.

As field secretary, Bill Gibson, whom you all know so well, will devote his entire time to the organization and servicing of alumni clubs. The plan calls for the formation of an alumni club in every community or area throughout the United States where there is a concentration of fifty or more Minnesota people. A stirring club program is being developed by Bill, which will have appeal to alumni everywhere.

The MINNESOTA ALUMNUS will be in the secure hands of Tom Buxton who replaces Bill Gibson as editor. Tom is a man of wide newspaper and public relations experience and is a most valuable addition to the staff. The magazine will bring to you the alumni viewpoint on University news and activity.

The MINNESOTA ALUMNUS is your voice as alumni! We would like to hear from you about activities you believe should be started, continued, changed—or dropped. We want to learn what you are doing because your classmates and your friends on the faculty are interested and we can't tell them in the magazine unless you tell us. It's your magazine to read—also to help make highly interesting.

Other phases of the alumni program include the organization of college and constituent alumni groups with their alumni days, institutes, and programs based upon professional interest; Alumni Day at commencement time, with the five-year reunions, this year for the classes ending in *four* or *nine*; homecoming celebrations at football time; University of Minnesota Week meetings to celebrate the founding date of our University, the week always encompassing the dates of February 13-19.

The Records Division of the Association has been enlarged and coordinated with our mailing room so as to better keep track of our 330,000

former students and graduates. The records of this office are available for use by interested members, alumni clubs and constituent associations.

Finally, the reorganization embraces energetic support of the Greater University Fund under the dynamic leadership of Stan Wenberg. The program, a report of which will be published in the Fund Issue of the MINNESOTA ALUMNUS (April) is outstanding in its support of scholarships, fellowships, and research.

We want to again emphasize the service aspect of the reorganization plan. All that we ask is that you give the Alumni Office an opportunity to serve you so in turn you can better serve your University.—E. L. H.

Greater University Fund
SUMMARY FINANCIAL STATEMENT
1948 Report
(as of Jan. 12, 1949)

Income

I. To be administered by the Greater University Fund			
Unrestricted	\$19,340.11		
Restricted to specific G. U. F. projects	5,123.85		
Total	\$24,463.95	\$24,463.95	
II. For specific projects (new trust funds or additions to existing trust funds)			
Ad Club Loan Fund (Mpls. Ad. Club)	\$ 937.29		
All-University Council Foreign Student Aid Fund	167.13		
John J. Bittner Cancer Research Fund	10.00		
Carlotta M. Brown Loan Fund	100.00		
Frances Brown Memorial Endowment Fund	4,000.00		
Campus Chest Scholarship Fund	* 768.66		
Coffman Memorial Union—Greater Univ. Corporation	22.50		
Chinese Student Emergency Aid Fund	677.00		
John Corrin Hutchinson Scholarship Fund	50.00		
Mayo Memorial Building Fund	25.00		
John Mars McDonald Memorial Scholarship Fund	200.00		
Minneapolis Gas Light Company Scholarship Fund	500.00		
Mortar Board Emergency Loan Fund	50.00		
William A. O'Brien Scholarship Fund	37.25		
Radio Corporation of America Scholarship Fund	400.00		
Robert A. Schmitt Loan Fund	1,000.00		
Variety Heart Hospital Fund	15.00		
	\$ 8,960.83	\$ 8,960.83	
		\$33,424.78	

Expenditures

I. Allocated unrestricted funds			
Allocated restricted funds	\$19,285.00		
	840.00		
		\$20,125.00	
II. Annual Program			
Scholarships	\$10,000.00		
Fellowships	4,500.00		
Research and Related Projects	5,625.00		
<i>Department Item</i>			
1. Radiology—Cardiac research 12 cm recording camera			
2. Astronomy—Spitz Planetarium			
3. Child Study Center—Educational disability study equip.			
4. Electrical Engineering—Vacuum Tube Laboratory Equip.			
5. Plant Pathology—Freezing chamber			
6. Speech Clinic—Speech defective study			
7. Bio-Physics—Polarizing Microscope			
Total	\$20,125.00		
III. Assigned special projects		8,960.83	
		\$29,085.83	
IV. Unassigned balance of unrestricted and restricted receipts		4,338.95	
Grand Total		\$33,424.78	

Stakman Takes Post as President of AAAS

One of Minnesota's outstanding scientists, Professor E. C. Stakman '06; '10MA; '13Ph.D., recently became the ninety-eighth president of the American Association for the Advancement of Science in January. This brings to Professor Stakman the highest honor that American scientists can give to one of their colleagues. The AAAS, organized in 1848, is the oldest scientific society in the nation.

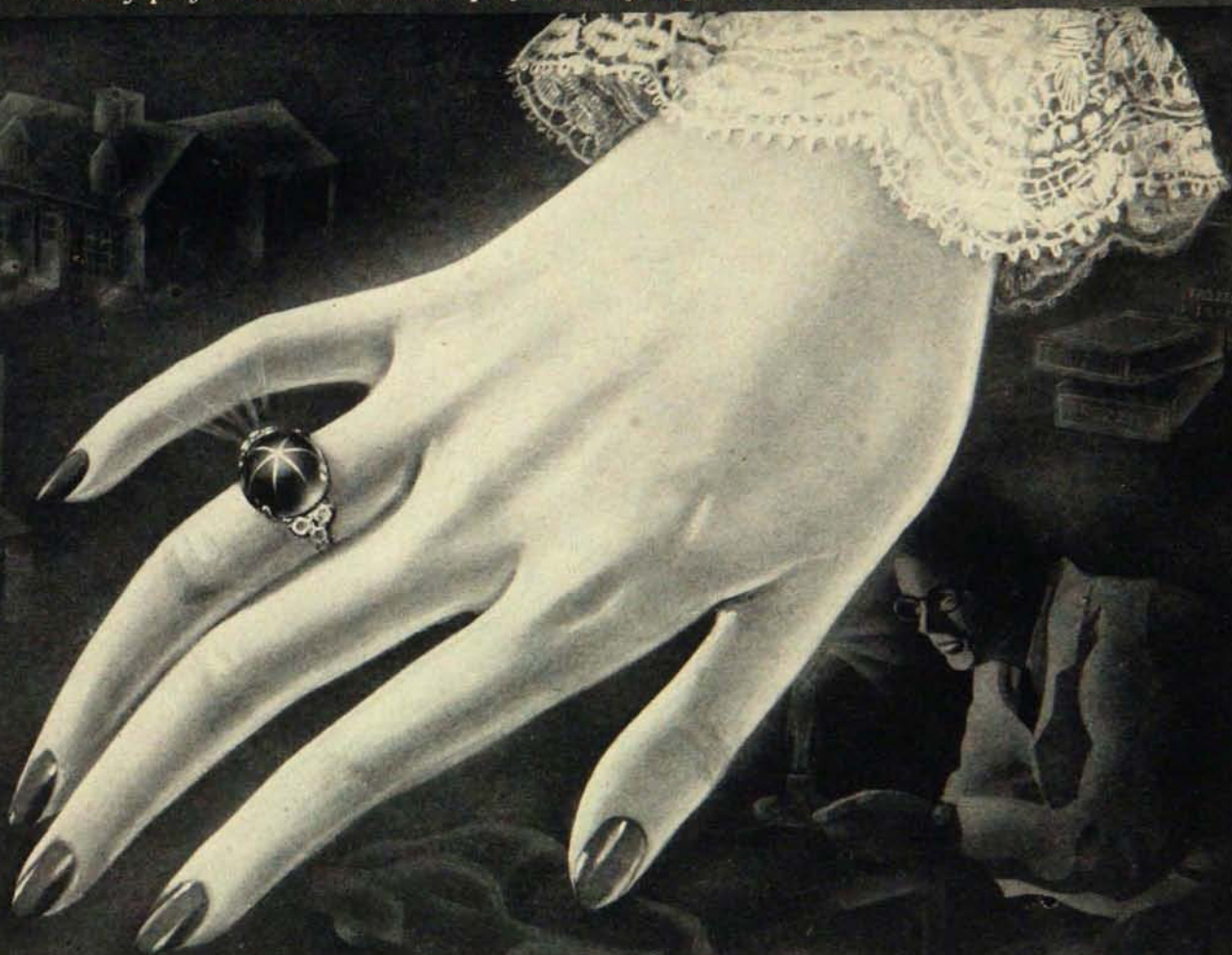
Professor Stakman, who is chief of the University's Division of Plant Pathology and Botany, has been an active Fellow of the organization for many years and since 1947 has been a member of its executive committee. He is a past president of the American Phytopathological society and is one of seven scientists who compose the committee on biology and medicine of the United States Atomic Energy Commission. Perhaps his most outstanding contribution to science is in the field of plant mythology and mycology. His \$300,000 laboratory at the University of Minnesota is one of the busiest in the United States, in the development of disease-resistant varieties of wheat and other cereals.

Although Professor Stakman is better known for his scientific research, he is primarily a teacher and an outstanding one. More than 180 students have obtained graduate degrees under his supervision and are now scattered over the world, engaged in scientific research. Dr. Stakman is more than just a teacher to students coming from every corner of the earth to study under him. He is a friend and counsellor to all of them and always willing to help in any way that he can.

CONTRIBUTORS' REPORT

The first annual report of contributions to the Greater University Fund will appear in the April issue of the Minnesota Alumnus instead of the February issue as previously announced.

“—They perfect nature and are perfected by experience”—FRANCIS BACON



What these man-made gems mean to you

SYNTHETIC STAR SAPPHIRES like this one, which only the finest of nature's stones can equal, are now made by man.

Yes, Union Carbide—which since 1942 has made synthetic crystals for precision instruments and other industrial uses—today produces the loveliest of synthetic star sapphires and rubies for personal wear.

But far more important to all of us are the research and technical skills... the work with extremes of heat and cold, with vacuums and tremendous pressures... that lie behind these superb jewels. The research and skills that produce today's *better materials*... used by industry in turning out numberless products.

The same research that brings these man-made stars within our reach... brings us, too, man-made leather and rubber. It also gives us today's *better food*, clothing, and shelter. It helps us resist disease. It improves our heating

and lighting. It's a part of our swifter, safer transportation systems... our communications... our progress in construction.

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FREE: You are invited to send for the new illustrated booklet, "Products and Processes," which shows how science and industry use UCC's Alloys, Chemicals, Carbons, Gases and Plastics.



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NATIONAL Carbons • EVEREADY Flashlights and Batteries • ACHESON Electrodes

PRESTONE and TREK Anti-Freezes • SYNTHETIC ORGANIC CHEMICALS • ELECTROMET Alloys and Metals • HAYNES STELLITE Alloys



They have what it takes

TELEPHONE LINEMEN have the traditional Bell System spirit of service that aims to "get the message through." They also have what it takes *in the way of equipment and supplies.*

Their wires, cables, poles, tools and countless other things are provided by Western Electric—maker or supplier of practically everything used in your telephone service. We carry stocks of 31,000 different items to help all Bell

telephone people, not only to do their daily job of maintaining and expanding telephone facilities but also to meet sudden emergencies:

- Western Electric has been a part of the Bell System for many, many years—ever since 1882. Our people share in the System's spirit of service. We, too, are always ready to answer the unexpected hurry call—to help "get the message through" for you.

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of telephone apparatus for the Bell System.



PURCHASER

of supplies for Bell Telephone companies.



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of Bell telephone apparatus and supplies.



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of Bell System central office equipment.



Western Electric

A UNIT OF THE BELL SYSTEM SINCE 1882



Minnesota ALUMNUS

Vol. 48, No. 6

February, 1949

Action Launched for More Clubs; Four Memberships Offered

The Reorganization of the Minnesota Alumni Association has taken on its final form and plans for the greatly expanded activities have been announced by Edwin L. Haislet, Director of Alumni Relations.

Under the direction of William S. Gibson, Field Secretary, plans are under way to organize active Minnesota Alumni clubs throughout the state of Minnesota and the nation. The purpose of the clubs will be to promote by organized effort the welfare of the University of Minnesota, to cooperate in the support and development of the educational activities of the community in which the club is located, and to encourage good fellowship and a bond of interest among Minnesota Alumni.

Four Types of Membership

Membership in the clubs is open to any residents of the respective communities who are graduates or former students of any of the divisions or branches of the University of Minnesota, including the Schools of Agriculture and the Duluth Branch or its predecessor, the Duluth State Teachers' College. There will be four classifications of membership: active, associate, member-at-large, and honorary.

Active members will be those who are graduates or former students of the University of Minnesota holding annual or life memberships in the Minnesota Alumni Association. If a graduate or former student joins the alumni club in his community, but is not a member of the Minnesota Alumni Association, he is made an associate member of the alumni club. Persons who have not attended the University may become a member-at-large upon acceptance of his request by the membership committee.

As a result of the recent change in organizational structure of the Minnesota Alumni Association, any alum-

(Continued on Page 156)



Tom Buxton, seated, and
Jerry Friedell

Alumni Association Enlarges Its Staff

Thomas C. Buxton, former Minneapolis newspaperman, became editor of the Minnesota Alumnus February 7, under appointment by the Minnesota Alumni Association. He succeeded William S. Gibson, editor since 1929, who recently was named the association's field secretary.

Gibson, who had been active in field work for the alumni association for some time, now will be freed for

(Continued on Page 156)

Alumni Rally to Greater 'U' Fund

See 1948 financial report, page 152.

In 1948 the alumni of the University of Minnesota embarked on a great adventure. This program has already brought these alumni into a new and vital relationship with their University. For the first time in the history of the institution, gifts from hundreds of graduates and former students have been pooled for the purpose of affording significant enrichment in three areas of the educational program of the school.

Scholarship Program. A \$10,000 scholarship program will be announced by April 1 of this year, to be effective for the 1949-50 school year. This will be used primarily to enable particularly competent high school graduates to start their university work.

Fellowship Program. With a grant of \$4,500 three Greater University Fund graduate fellowships have been created by the Trustees of the Fund, also from 1948 contributions. Keen competition for these attractive fellowships should yield three excellent scholars. In the training of research scientists, for the good of our nation, such fellowships as this are of paramount importance.

Research Program. Finally, the Board of Trustees of the Greater University Fund allocated \$5,555 to research and related items. The details of these allocations, itemized in the adjoining chart, may make dull reading; but the fruits of this investment may well affect the lives of every one of us. From the nerve studies that will be facilitated by the polarizing microscope, to the vacuum tube research that will come with the equipping of a laboratory there are possible outcomes which no living person can visualize.

More Clubs Planned

(Continued from Page 155)

nus or former student may become a member of the Alumni Association by remitting the membership fee for whatever type of membership may be desired. The annual membership fee is \$3.00; for five years the fee is \$12.00; and the fee for life membership is \$50. Membership in the association includes a subscription to the Minnesota Alumnus, the maroon and gold membership card, the privilege of voting in all elections and on all matters calling for a vote of the membership. There will be later activities which members are eligible for, yet to be announced.

Geographical Areas Set

The state of Minnesota has been divided into 18 districts, for the purposes of club organization, and the nation is being divided into regions. This will give each alumnus an opportunity to join a club very close to his own home. In a community where there are fifty Minnesota alumni, a club will be formed for their benefit.

The Alumni Association and the University, anxious to assist in making the club meetings a success has arranged for specific services to be available for at least three meetings during the year. For a Charter Day gathering during or close to University Week in February, the University will provide a prominent speaker from the campus. He will inform members on the progress of affairs at the University.

Pigskin Pictures Provided

Motion pictures of University of Minnesota football games and reports on athletics and similar developments at the University will be given at another meeting.

A freshman induction and orientation program will be available for a third meeting to alumni clubs which wish to assist young people of their vicinities in preparing to attend the University. A representative of the Dean of Students will be present to aid the prospective students in planning their college programs, as well as to give occupational counselling. Alumni will be welcome to ask questions about the University of Minnesota at any of these sessions.

Comments received by the Alumni Relations office indicate the plans so far developed are receiving enthusiastic approval from alumni in all sections of the United States.



William S. Gibson

Bierman Spoke in California

While coaching the East gridiron team for the New Year's Day game at San Francisco, Bernie Bierman, University of Minnesota head football coach, addressed a fathers and sons day session of the San Jose Rotary club. He was introduced by Dr. Al Williams '35Md., acting chairman for the day. Among the Minnesota alumni attending were Phil Bengston and Dale Hansen.

COVER PICTURE

As a former student of the University of Minnesota, Luther W. Youngdahl, Governor of Minnesota, was the logical candidate to sign up first in starting the new membership campaign for the reorganized and enlarged Minnesota Alumni Association. The cover picture of this issue shows the Governor admiring his January copy of MINNESOTA ALUMNUS. Governor Youngdahl was an academic student at the University in 1915-16. He was graduated from Gustavus Adolphus College, St. Peter, and the Minnesota College of Law, Minneapolis.

Enlarged Staff

(Continued from Page 155)

full-time activity in this important field, including organization and coordination service to Minnesota alumni groups throughout the United States.

The alumni association's enlarged and reorganized staff now includes, besides Buxton and Gibson, Dr. Edwin L. Haislet, University Director of Alumni Relations; Gerald H. Friedell, membership secretary; Miss Eleanor Willits, supervisor of records; and Miss Ruby Robbins, mailing room supervisor. Reorganization activities for a bigger and more closely coordinated alumni program have included considerable reorganization of the association's quarters in Coffman Union. Alumni and former students are cordially invited to visit the alumni offices whenever they are in Minneapolis.

Since last June, Buxton handled the educational services activity of the Minnesota Youth Conservation Commission, working under direction of Dr. Haislet when the latter was the commission's prevention division chief. Previous to joining the Youth Commission staff, Buxton was on the news staffs of the Minneapolis Times and Minneapolis Morning and Evening Tribunes and the Forum and Tribune at Fargo, N. D. He operated the public information office of the Minneapolis Board of Education for five years.

He was a student in the University of Minnesota's College of Education at intervals from 1937 to 1940, inclusive. He is a member of Theta Chi Fraternity. His mother attended the University and his daughter, Mary Leslie, was graduated from the College of Education in 1947.

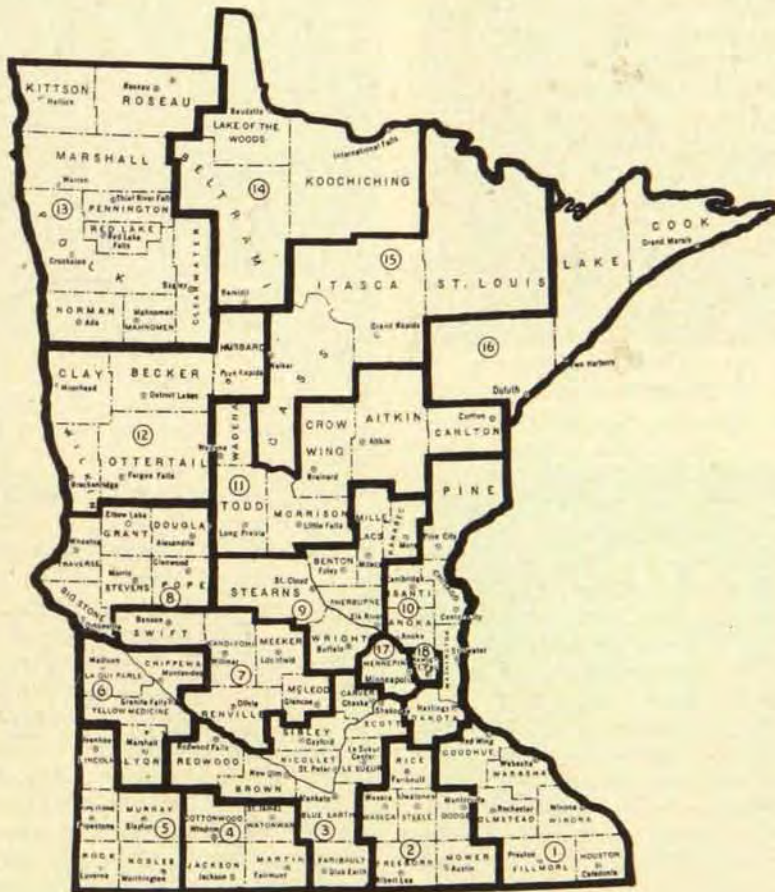
Kidneigh Heads AASSW

John C. Kidneigh, associate director of the school of social work at the University of Minnesota, was elected president of the American Association of Schools of Social Work at that organization's annual convention in Boston.

Congratulations, Mr. Snyder

The MINNESOTA ALUMNUS extends congratulations to Mr. Fred B. Snyder '31, chairman of the University of Minnesota Board of Regents, on the observance February 21 of his ninetieth birthday anniversary. He was the 1948 recipient of the University's Builder of the Name award.

18 Alumni Districts in State



Shown here are the Minnesota Alumni Association's 18 districts in Minnesota. (See article, "Action Launched for More Clubs," page 155.)

Veteran Medical Grad Recalls Daring Feat

Dr. George Haggard '93Md., celebrated his 93rd birthday, January 18. He is still carrying on his 56-year medical career at his office-home at 2400 Chicago Ave., Minneapolis. A recent newspaper article proclaimed the feat of a doctor who had opened a patient's blocked windpipe and restored the patient's breath was noted with interest by the doctor.

"I did the same thing 40 years ago to a girl with laryngeal diphtheria," he said. "I had been called to the child's home and was sterilizing my instruments in a kettle on the stove when the child developed a coughing spell, turned black in the face and fell over. I revived her with artificial respiration but, before my instruments were ready she developed another coughing spell and lost consciousness. More artificial respiration failed to revive her. The mother was convinced the child was dead.

"I whipped out my jackknife and opened the windpipe. Holding the incision open with a hairpin from the windowsill, I applied artificial respiration, and then closed up the wound. The child lived 30 years after that. Later physicians told me that such an operation could succeed only once in every ten times."

In 1895, while an intern at General Hospital, Minneapolis, he performed an intubation (insertion of a gold-plated tube in a patient's larynx to permit breathing.) This was the first time that such an operation had been performed in that hospital and probably in Minneapolis.

During his years of active medical practice, he has used 13 different automobiles, one of which he built himself.

Seven Scholarships Awarded in Ag College

Seven scholarships to students in the College of Agriculture, Forestry and Home Economics of the University of Minnesota were announced by Dean Henry Schmitz. They ranged in amount from \$25 to \$300. Walter E. Larson, 1809 Second Ave. South, Minneapolis, senior in agricultural education, and Bernita E. Olson, 1928 Garfield Ave. N. E., Minneapolis, home economics senior, won the Borden scholarship awards of \$300 each in agriculture and home economics.

Three other seniors also received awards. The F. H. Peavey and com-

pany-Van Dusen Harrington company undergraduate scholarship of \$300 went to Howard C. Abraham, 2935 Lincoln St., N. E., Minneapolis. The \$100 Burpee award in Horticulture was given to Richard J. Stadtherr, Gibbon. Joyce D. Hjort, 141 Richmond St., South St. Paul, was awarded the Alice M. Child Memorial Scholarship of \$25. Barbara Zaffke, Backus, sophomore in home economics, and Clifton Halsey 1511 Hague Ave., St. Paul, junior in agriculture, received the Gardner Cowles, Jr., WNAX scholarships of \$300 each.

YOU'RE INVITED

Plan to attend the kick-off banquet of the Greater University Fund campaign, Thursday evening, April 28, in Coffman Memorial Union. This spectacular event promises to be a high spot on the University calendar.

ON THE CAMPUS



A new course in cancer nursing will be offered this spring quarter by the University of Minnesota's School of Nursing. The class will begin March 28 and is open only to graduate nurses. Because of the demand for male nurses to care for male, orthopedic and psychiatric cases, the School of Nursing will open its basic professional nursing course to qualified men students next fall.

Agricultural and business trends were outlined for bankers from throughout the state Feb. 11 and 12 at the tenth annual Minnesota bankers' conference at the University of Minnesota under the auspices of the Center of Continuation Study.

As the fight against the nation's leading killer, heart disease, gained added attention during National Heart Week, February 14 to 21, doctors from throughout the state attended a two-day continuation course in cardiovascular diseases at the University of Minnesota.

The third annual radio news short course was to be held at the University of Minnesota February 18 and 19 in cooperation with the Northwest Radio News association.

Russel A. Holcomb, 5745 Pillsbury Ave., Minneapolis, senior civil engineering student at the University of Minnesota, has been awarded a \$200 scholarship by the Northwestern Section of the American Society of Civil Engineers. The scholarship is for his last year of undergraduate study.

"The Basic Conflict Between Russia and the United States" was the general theme of a world affairs conference at the University of Minnesota February 15. The conference was a student activity sponsored by all interested student organizations on the Minneapolis campus, with several guest speakers participating.

The entire development of Minnesota's iron ore resources, including a look at future prospects for that industry through research, was presented in detail in talks, movies, slides and exhibits February 11 at the University of Minnesota. The occasion was the first of two presentations on "Research in Minnesota Resources" offered in connection with University of Minnesota Week, February 13 to

19, by the University and the scientific research society, Sigma Xi.

Sponsored by the University of Minnesota graduate school, a series of nine lectures on isotopes as tools of fundamental research is being presented in Murphy hall auditorium on the Minneapolis campus over a two-week period which began Feb. 14. The lectures, all of which are being given by University staff members except for two by representatives of the Atomic Energy commission, are to explore possibilities in the use of isotopes in research in different fields.

For the winter quarter, 19 University of Minnesota students were awarded LaVerne Noyes scholarships, which go to World War I veterans or their descendants.

A new evening course in radio advertising is being offered for the first time by the general extension division of the University of Minnesota. E. F. Seehafer, assistant professor of journalism, is the instructor.

Students in the school of business administration at the University of Minnesota celebrated "B-Day," annual business school day, February 4.

Following an afternoon panel discussion on President Truman's budget, Russell Duncan, president of the Minneapolis Chamber of Commerce, spoke at a dinner.

Some new medicine and antibiotics were among subjects discussed at the twelfth continuance course in pharmacy at the University of Minnesota February 14-16.

A new evening course in the in-

Mrs. George Christian Honored by University

Mrs. George Chase Christian of Minneapolis was to be honored February 17 by the University of Minnesota for her interest in and support of the University's medical school. Mrs. Christian was to be awarded the "Builder of the Name" medal, an honor established by the Board of Regents in 1947 to be given in recognition of services to the University. Mrs. Christian is the third person to be so honored by the University. Presentation of the medal by President J. L. Morrill was scheduled for a special Charter Day convocation in Northrop auditorium marking the 98th anniversary of the University. Dr. Walter H. Judd, congressman from Minnesota's Fifth district, was to be the principal speaker.

Mrs. Christian's interest in the University has greatly advanced medical studies at the University, particularly in the field of cancer, according to Dr. Harold S. Diehl, dean of medical sciences. Previous recipients of the "Builder of the Name" medal are Fred B. Snyder, chairman of the University's Board of Regents, and E. B. Pierce, retired Director of Alumni Relations.

Industrial relations field began at the University of Minnesota February 9. Offered by the general extension division, the 17-week course is part of a new program in industrial relations established this year in cooperation with the University's industrial relations center. The new course, "Elements of Supervision," analyzes various industrial relations techniques which are important in supervision.

Advertisement

STAFF ASSISTANT TO SUPERINTENDENT

Unusual opportunity with large national food manufacturer in Chicago processing plant employing 5000 people (starting time 6:45 a.m.) for mature young man having 3 to 5 years good plant production experience who knows how to handle men. Opening is for Administrative Assistant (with production experience) to assist Plant Superintendent with special emphasis on analysis of over-all employment turnover and related problems of plant workers, including auxiliary problems incident to employee relations, timekeeping and rate analysis.

We are looking for a college graduate, preferably with a farm background, who understands employment and personnel techniques, who has good leadership ability but is willing to adjust to present organization. Good promotional opportunity for right man who is analytical, able to assume responsibility, and to evaluate problems from an independent viewpoint.

Address reply to:

Alumni Advertising, Box No. 100
5733 University Avenue,
Chicago 37, Illinois.



H. F. Skyberg



Dr. E. E. Novak



A. J. Olson

Fisher Farmer Is New University Regent

Named as a new member of University of Minnesota Board of Regents by the state legislature February 7 was Herman F. Skyberg, farmer at Fisher. He was a 1916 graduate of the Northwest School of Agriculture at Crookston, which is under jurisdiction of the regents as a unit of the University.

He succeeds Dr. F. J. Rogstad of Detroit Lakes, a regent for the past 12 years, who declined to make a contest for the post. Mr. Skyberg received a majority indorsement from the state legislators of the ninth congressional district.

Mr. Skyberg has had extensive contact with the University departments dealing with the welfare of agriculture, particularly the School of Agriculture divisions concerned with potato culture. He is a farm owner and operator specializing in production of state certified and registered seed, grain and potatoes. He is a member of the Advisory Committee of the University's Industrial Relations Center and of the Governor's Advisory Committee on Mental Health.

Commenting on newspaper reports that he could be classed as a liberal politically, Mr. Skyberg said "I have a definite idea that the responsibilities of a regent of the University are above and beyond any partisan politics." He said that in choice of party



D. C. Gainey

he was a Republican and recalled that he attended the 1944 Republican National convention.

He is a past president and present director of the Red River Valley Potato Growers' Association, Minnesota Crop Improvement Association, and the Farmers' Co-operative Marketing Association of East Grand Forks, Minn. He also is a past president of the Polk County Farm Bureau and the Polk County Rural School Officers' Association.

Mr. Skyberg said that as a regent he would have a deep interest in the University's varied services to agriculture.

Alumnus Is Renamed to University Regents

Andrew J. Olson of Renville, one of three regents of the University of Minnesota who were re-elected to the board by the state legislature February 7, is an alumnus of the University. He received his degree of Bachelor of Science in Agriculture in 1912.

Dr. E. E. Novak of New Prague, another of the re-elected regents, has a son, Edward E. Novak, who received his B.S. in agriculture in 1940 from the University of Minnesota. The other re-elected member is Daniel C. Gainey of Owatonna. The three regents were renamed with the recommendations of the state legislators from their congressional districts. The regents' terms are all for six years.

Business Research Planned

Establishment of a division of business and economic research to help businessmen throughout the state is being sought by the University of Minnesota. The University's Board of Regents has asked the Minnesota legislature for a special annual appropriation of \$25,000 for the next two years to set up and operate such an agency to aid business concerns, especially smaller enterprises.

Gopher Cage Team Wins 14 Straight

With three sophomores, a junior and a senior in the starting lineup, the Minnesota basketball team tallied 14 straight victories before losing to Illinois at Urbana, 45 to 44. Then came a 48 to 39 loss to Ohio State in a game at Columbus which moved the Gophers from a first place tie with Illinois into second place in the conference standings. In the Field House on February 12 the men coached by Ozzie Cowles defeated Iowa, 54 to 49, and held a record of seven wins and two losses in the conference campaign with three games left on the schedule.

In the Ohio State game, Harold Olson, sophomore guard, was high scorer for the Gophers from the floor with five field goals although Jim McIntyre had a larger point total on four field goals and four free throws. Whitney Skoog, first year forward, who is being given special attention by opposing defenses started hitting in the second half of the Iowa game to be high scorer.

Gagne Defeats Champ

In a dual wrestling meet with Illinois in the Field House this month, Minnesota's Vern Gagne defeated Check Gottfried, Big Nine heavyweight champion. Illinois won on total points however. Gagne is the conference title holder in the 191-pound division.

Welcome Michigan State

The Big Nine will again become the Big Ten with the admittance of Michigan State College, East Lansing, Michigan, to the Western Conference. Because football schedules are made in advance by the conference schools, it will be a few years before the newcomer to the conference will have a full schedule of games in the league in that sport. However, before the action was taken to admit the school to the conference, a game on the gridiron between Minnesota and Michigan State was scheduled for two years hence.

Head football coach at Michigan State is Clarence Munn '32, former Gopher All-American. For several years he was line coach at the University of Michigan.

The decision to admit Michigan State was taken at a meeting of conference officials in Chicago in December. The school has an enrollment of about 16,000 this year and many new buildings have been recently added to its physical plant. The Michigan State stadium accommodates about 50,000.

President John A. Hannah of Michigan State College recently was elected president of the American Association of Land Grant Colleges and Universities succeeding President J. L. Morrill of the University of Minnesota.

Formal application for membership in the Western Conference was first made by Michigan State in 1946 when the University of Chicago relinquished its place in the conference.

Sharpshooter

Sophomore Whitney Skoog only took 19 shots from the floor in the game with Iowa at Iowa City on Jan. 17, but 11 were good to make him the scoring leader in Minnesota's 61 to 45 win over the Hawkeyes.

Iowa officials and fans staged a special welcome display for the Gophers to indicate a change in the spectator situation at Iowa City which has jeopardized athletic relations between the two schools in recent years.

The Minnesota players and scoring: Skoog, 26 points; McIntyre, 15; Grant, 10; Olson, 6; Mitchell, 1; Skrien; W. Salovich, 1; Bergstadt, 2; Kranz; Ekberg.

In their first conference game on the road the surprising Gophers of the court defeated Purdue, 67 to 52, at Lafayette on Jan. 15. It was the second victory in 30 years scored by a Minnesota basketball team over the Boilermakers at Lafayette. The Gophers made good on a high percentage of their shots with McIntyre, Skoog and Grant leading the scoring parade. Minnesota players and scoring: McIntyre, 20 points; Skoog, 18; Grant, 14; Olson, 7; Mitchell, 3; Skrien, 1; W. Salovich, 2; E. Salovich, 1; Krenz, 1; Ekberg, Bergstadt, Lansing.

Wrestling

The Minnesota wrestling team had a successful road trip early in Janu-

ary and scored victories over Nebraska, Colorado, Colorado State and Denver. The early season record of the men coached by Dave Bartelma indicates that they may be listed as strong contenders for the conference title in the sport.

Champion

Fortune Gordien, national intercollegiate discus champion, and Olympics point winner in the event, has one quarter of eligibility left at Minnesota. During this winter quarter he will represent Minnesota in the shot put in the indoor meets. In Gordien and Byrl Thompson, Coach Jim Kelly has two of the leading weight men in the conference. Thompson will take over in the discus department in the outdoor competition in the spring quarter.

Alumni Meetings Planned

New York

President J. L. Morrill will be guest of honor and speaker at a dinner meeting of the Minnesota Alumni club of New York in the Club Rooms of the Building Trades Employers Association, 2 Park Avenue, on February 28. The secretary of the New York alumni group is F. L. Cooper, New York Life Insurance Company, 51 Madison Avenue.

Seattle

The Minnesota Alumni club of Seattle will hold a dinner meeting February 28 at the American Legion Club in that city. Officers for the coming year will be elected and a program feature will be the showing of Minnesota football pictures. The secretary of the Seattle club is Howard Schleiter, 5521 Thirty-fourth Avenue NE, Seattle 5.

With CIO Steelworkers

A University of Minnesota staff member, Jack Stieber, has accepted a position as research associate with the CIO Steelworkers of America in Pittsburgh. He went to his new post immediately after receiving his master of arts degree at the University's fall quarter commencement.

What Is the Minnesota Law Review?

Student Section of
'U' Periodical Wins
Regard of Faculty
And Lawyers

by*

PROFESSOR WILLIAM E. MUSSMAN
Editor-in-Chief,
Minnesota Law Review

I once heard it said by an undergraduate that the *Minnesota Law Review* was "some sort of secret society of law students." Realizing that such misapprehensions are not terminated by receipt of the "sheepskin," I am grateful for this opportunity to briefly outline what the *Review* is and what it means to the law students, the law faculty and the legal profession as a whole.

Physically speaking, the *Review* is a monthly periodical published by the students and the faculty of the Law School. Each issue is divided into two sections. The first, so placed by dictates of the maxim "age before beauty" is composed of articles written by professors and journalistically minded practitioners. These articles, which all deal with some phase of the law, range in length from 30 to 80 pages and in value from high to minus low. We have never claimed perfection for our leading article section. Occasionally an article is the brunt of jokes by members of the State Bar Association. But one could hardly expect wild enthusiasm from a Minnesota lawyer for an article carrying the descriptive title, "The Constitutional History of Industrial Arbitration in Australia."

Student Work Most Important

It is the second section, containing the work of our students, which we on the faculty and the practicing lawyers regard so highly. Through 32 years, each succeeding student editorial board has strained to the utmost in making its product just a little bit better than those that have gone before. As a consequence of this determination and spirit, our *Review* enjoys a national reputation second to no other for coverage and technical accuracy. It is true that the rating of a law school is greatly influenced, rightly or wrongly, by the caliber of work found in the student section of its review. And though we of the



Professor Mussman

faculty appreciate the gratuitous boost, we are much more interested in the educational significance of law review work for our students.

Work on the *Review* basically involves three distinct steps. First, the student must take a new legal problem or novel development in established rules and analyze it into the controlling, salient issues. This means, generally speaking, striking out for the first time on his own over new and strange fields. The professorial hand

is all but absent; it is the student's ingenuity, his imagination that is determinative. Next, having resolved the problem into issues, the student must go to the authorities—statutes, cases, administrative regulations and determinations, etc., to discover just what the law is. This experience is likewise a "first." Finally, the material must be organized and written in a logical, clear, and concise exposition.

It's Not Easy

This work is easy for no one, regardless of his or her brilliance in the class room. It takes hours and hours of tedious, painstaking study. At the beginning it is often completely frustrating because the student feels lost, alone and completely over his head. With experience comes confidence and speed; but never does it become simple. And the educational value is self-evident. The student doing this work is doing exactly what every good lawyer does in actual practice. But he is getting his experience without the extreme time pressure—and without danger of financial loss to a client. The fact that the larger law firms all over the country make law review experience a prerequisite to hiring is the highest testimonial to its educational value.

Our greatest regret is that we cannot give this training to all of our



The student editorial staff for the Minnesota Law Review includes, left to right: standing, Dean Ramstad and Richard Pritikin, associate editors; seated, Robert Ford, associate editor; Leonard Strickler, president of the editorial board; and Arthur Pearce, associate editor.

students. Space limitations and a shortage of supervisory help make it impossible for the present. Consequently, only those students with the highest averages are invited to become candidates for the Board. It is for this reason that the *Review* is often thought of as an honor society. From our point of view it is the highest honor a student of law can attain; from the students' point of view it is an honor demanding the most arduous efforts he has ever been called upon to put forth.

Students Control Own Section

Despite the faculty's vital interest in the *Review*, we leave it—as it has always been—in the hands of the students themselves. As editor-in-chief, I have only the mental job of making arrangements for the first section and for the actual printing of the issues. Professor Cherry controls the finances, and Professor McClure arranges for book reviews. The student section is controlled by a board of student officers headed by a president. These officers are selected by retiring officers and the faculty in joint meeting from those members of the Editorial Board who have shown highest proficiency in *Review* work during their first year of service. It is the officers who determine the points of law to be discussed; they spend hours orienting and instructing the new candidates; and, most important, they check every piece of finished work for accuracy of analysis and research before it is printed. Theirs is the two-fold task of protecting the high professional standing of our *Review* and inculcating the same spirit in those who are to follow.

Just why the students develop this drive to excel, which demands more hours of labor than the ordinary working day, is a mystery to many. There is no pay and no academic credit awarded. All work is published anonymously and the only privilege is that of being able to work in the school after hours and on Sundays. I think the answer can be found in a combination of factors. The honor of selection, the pride of achievement and the realization of high responsibility to those student boards who have gone before is one side of the picture. On the other side, there is the educational value which is rewarded in post-graduation placement. I sus-

pect that the former is the more important.

A greater mystery to me is the way in which the student spirit was first engendered, when writing for the *Review* promised only work and nothing more. Professors Fletcher, Dwan, Prosser and Rottschaefer—my predecessors in office—could probably shed some light. My own experience in this matter is both recent and vivid. During the late war enrollment in the school dropped almost to zero. And, though the *Review* never missed an issue, student work was so occasional that it could be considered nonexistent. With the break in the continuity of student boards came a break in the spirit, and we were at a loss as to how it could be re-established.

Small Group Solved Problem

It was a small handful of students who had had some review experience before going into service that solved our problem. Richard Maxwell as president, along with John Bauman and Horace Hitch as associate officers, took the first difficult steps. They passed the torch to Millard Ruud, Samuel Bearmon, Richard Nordbye and William Westphal who in turn concentrated primarily on regaining the still absent *esprit de corps*. Then came James Wamvig, Robert Tarbox, Osborne Becklund, Donald Fraser and William Kraker. Our present board of officers with Leonard Strickler, President; Robert Ford, Note Editor; and Kenneth Anderson, Arthur Pearce, Richard Pritikin and Dean Ramstad, Associate Editors; are all students of those who bridged the gap. They learned their lessons well and are carrying on in the traditional manner. The *Review* is rehabilitated; it has reached normalcy. But on one thing I am convinced. The rebirth had to come in and from the students themselves.

Serves Three Purposes

It can safely be concluded that the *Minnesota Law Review* is at least three things. In the first place, it is a most valuable teaching device—probably, may I be forgiven, because we on the faculty have so little to do with it. To the profession it is both an indicium of the proficiency of a

Obituaries

1886

Dr. J. C. E. King '86, La Mesa, Calif., a physician for 53 years, died in December. He was 87 years old. He retired five years ago. He was a specialist in dermatology. For many years he lectured on dermatology at the University of Oregon Medical College.

1895

Mark Owen Nelson '95D, died January 7 in St. Paul. He had practiced dentistry in St. Paul for the past several years.

1902

Martin E. Tew '02L, died December 11, 1948, at Copper Creek, Ariz.

1903

Grace W. La Vayea '03, died in Los Angeles, Calif., last September. She taught school in that city for more than 30 years and was a national chairman of the Kappa Alpha Theta Loan and Fellowship Fund.

1913

Albin F. Larson '13IT, died in December at the age of 58. Since 1925 he had been connected with the board of education of Chicago city schools and at the time of his death was superintendent of construction.

1916

Frank B. Johnson '16Phm, Brainerd, Minn., druggist and former mayor, died February 5 at his home of a heart attack. He was born in 1894. He was serving his second term in the state house of representatives and was a member of the house military affairs committee for the present session. Mr. Johnson served overseas as a sergeant in World War I and during World War II, he was a major in the Minnesota State Guard. He also organized and directed formation of civilian defense, CED, and the Veterans' Advisory committee. He was a member of the Brainerd city council for 10 years previous to becoming mayor in 1938.

1935

William A. Weber '35IT, died in Minneapolis at the age of 42. At the time of his death he was vice president of Bell and Eiss, Inc., power plant equipment firm.

graduate and a real help in solving legal problems and in keeping up with new developments in the law. All members of the Minnesota Bar Association subscribe to the *Review*, and I urge that all of our alumni lawyers send to the student editors any comment, favorable or unfavorable, they may have on published work or on interesting topics to be investigated and written up. This will not only help the *Review* meet the interests of the Bar, but will also make the student board members realize that their efforts are critically read by those in the active practice. Finally, the *Review* is, to the student member, a high honor, a lot of hard work and a tradition of which he is a part.

New Union Is Center of Social Life at "U" Village

Co-op Store, 'Village Hall' Also Features



The center of social activities for University Village is its new Union building. This building houses most of the indoor recreation facilities for the Villagers. The Union is regulated by a board of governors whose members are selected by the resident students. A scene in the lounge shows, left to right, Mrs. J. K. Crose, Garry Crose, Joe Crose '51Ed, Joseph Crocker, graduate student; Mr. Hanson, manager of University Village Union; Oscar E. Olson '49B, Mrs. Vernon Mark, Mrs. William Hankel and daughter, Joan. Seated center is Mrs. James Boyd.



The University Village Union provides a nursery for the children of the community. It has as its purposes (1) providing a play center in which the children may get experience in group situations and (2) providing a place for the parents to leave their children when they carry on the work-a-day activities. Warren Peterson '50Ed, leaves his daughter, Gail, with Lois Beebe '47Ed, nursery director.

★



The Village students operate a cooperative grocery store. Profits accruing from its operation are returned to the shareholders in yearly money dividends. Left to right are Irma Jensen, Mrs. Tom Lombard and Jack Bandel, '50Ag.



Management of the business affairs of University Village centers in a trailer. Catherine Nelson, left, Dorothy Biorn, and Richard Bye of the office staff, aid Arnold Osterberg with his housing problems. The rents in this housing project are scaled according to income and ability to pay.

(Continued on Next Page)

New Union Is Center of Social Life

(Continued from Page 163)



The morning departure. Francis Hatfield, graduate student, bids his wife, Evelyn, and daughter, Paige, goodbye as he leaves for classes.



Evening finds Hatfield studying while his wife and daughter work about the kitchen.

Alumnus Wanted to Sing; Now He Owns Feed Business and Musical Show

At the age of 39 years, Wayne Fish '31, of Minneapolis, is the embodiment of high speed accomplishment in diverse fields.

He heads his own feed brokerage business, Wayne Fish and Co., owns a light opera company and is a leader in his church and several social welfare organizations. As owner of the brokerage firm, he's the youngest tenant in the Rand Tower, one of Minneapolis' largest office buildings.

Frustration in his university efforts to become an accomplished singer de-toured Fish into the path that led to his multiple success in other fields.

Started at \$50 Monthly

Leaving the University of Minnesota, where he was mainly interested in the study of music, he began to work as an office boy for \$50 monthly. The job was the beginning of a career which has Fish running his own successful business at an age when many men are striving for junior executive appointments.

But Fish's story was not one entirely of steady promotions and large pay raises.

"Things haven't always been easy," he said in an interview for the Alumnus. "I can recall only too clearly when I couldn't afford to make even a

down payment on a typewriter for the necessary office work."

Even so, Fish's ambition to derive pleasure and satisfaction from his job, as well as money caused him to turn down a \$175 per month job as uninteresting while he was drawing only \$75 a month in the job he then had.

While attending the University, Fish was very active in music, particularly in singing. He was a member of a chorus which sang Saturdays at the home football games in 1928-29-30. He recalls that the chorus members sang through megaphones to reach more listeners.

It seems that when the vocalists hit the high notes they turned their megaphones up ward. This was an "open" invitation to the more playful spectators, who immediately let fly a barrage of peanuts at the wide mouths of the megaphones.

"It was a bit hard on our throats and artistic pride, but it was all in fun and we didn't mind too much," said Fish.

Buys "Desert Song" Show

Resigned to his failure to succeed as a vocalist Fish only recently used his business skill and success to get back into music—though not as a



Wayne Fish

performer. While the "Desert Song" was playing in Minneapolis, Fish had the opportunity to buy the show. He bought.

The recent March of Dimes campaign owes part of its success to Fish's promotional ingenuity. He was the originator of the name, "Flight 200" which raised \$8,600 from Minneapolis business and professional people by charging each of them \$200 to fly them to Milwaukee, Wis., for a dinner and visit with Milwaukeeans, and a flight out over Lake Michigan before heading home.

Fish serves on the board of directors of the Minneapolis Society of the Blind, being the youngest male member. He's on the Central Lutheran Church board and has aided fund raising efforts of the Salvation Army.



Dr. Bunker

Mrs. Dewell

Ed Haislet

Folks had fun when Aberdeen organized

The Alumni Clubs . . .

Minnesota Club Started at Aberdeen

University of Minnesota alumni of Aberdeen, S. D., and its vicinity organized the Minnesota Alumni club of Aberdeen at an evening meeting January 25th in Aberdeen's Alonzo Ward Hotel. Elected as the club's first directors were Dr. Paul Bunker '28, Miss Grace Baker '30, Mrs. A. Mills Dewell (Bessie Hawk) '32, Richard Fossum '38, Sheldon Reese '27, Robert Smith '42, and Max Stokes '13.

The directors named Dr. Bunker as president; Smith, vice president; Mrs. Dewell, secretary-treasurer; and Miss Baker, corresponding secretary.

The organization meeting included a dinner at which Dr. Edwin L. Haislet, the University Director of Alumni Relations, described the organization and enlarged activity plans of the Minnesota Alumni Association. He outlined the benefits which could accrue to the community and the University through organization of an alumni club for the Aberdeen area. Gopher gridiron movies were shown.

It was interesting to note that William Butts, class of 1898, former football player, was the oldest alumnus present, and Mr. and Mrs. Ed S. LaFave, students at the University in '42-'43 and '45-'46, respectively, the youngest. Mrs. LaFave was Patricia Lou Paul before her marriage.

The remaining charter members present were Mr. and Mrs. William Alexander, Mrs. Paul Bunker, Ethel Case, Mr. and Mrs. H. M. Fish, Dr. and Mrs. M. R. Gelber, S. N. Hagenson, Lloyd Hughes, Dr. H. G. Janssen, Loel C. Lust, C. H. Malchow, Mrs.

William Moravec, Dr. Walter Morgans, Robert C. Murdy, Mrs. E. A. Pittenger, Neil Rankine, Mrs. Robert Smith, Max Stokes, Lewis Teply, Mrs. Harry Thomas, W. R. Wells, Mrs. Ruth Wells, Dr. and Mrs. Harry Wells, Mrs. Ruth Wallace, Dr. C. H. Weishaar, and Arthur Werth.

At the request of leaders of the projected Aberdeen club, the University football movies were shown at noon on January 25th to a combined group of 100 members of the Sportsmen's and Quarterback clubs.

Pres. Morrill Speaks at Cleveland

Its greatness—not its bigness—is the true measure of the University of Minnesota, President J. L. Morrill told the Minnesota Alumni club of Cleveland, Ohio, at a dinner meeting January 20.

"The practical greatness of a university lies in the caliber and capacity, the conscience and commitment of its staff to carry on teaching, research, and service," he said.

Citing the enormous post-war growth of the University's student body, President Morrill said the Minnesota state legislature, through increased appropriations, "rescued this University from a crisis that can be compared only to that crisis of the late '60s when the fate of the University hung in the balance."

"There is greatness in responding to the democratic upsurge of educational demand," the president said, recalling the University's enrollment this quarter is 25,698, including the

Twin Cities and the Duluth branch campuses.

The club president, John Craig, made interesting remarks on the history of iron ore and its significance in the progress of civilization. Reorganization activities of the Minnesota Alumni Association were described by Edwin L. Haislet, Director of Alumni Relations. The meeting was followed by a reception at which the club members met President and Mrs. Morrill.

At the Cleveland dinner were: Mr. and Mrs. Oscar P. Anderson, Mr. and Mrs. Dana H. Bailey, Mr. and Mrs. W. F. Barstow, Mr. and Mrs. Harry E. Brown, Mrs. John Craig, Mrs. Harry E. Connors, Jack W. Dallman, Mr. and Mrs. T. D. Eaton, George Flanagan, Dr. Hugh Graham, Mr. and Mrs. John R. Hall, Mr. and Mrs. Harold O. Hayes, Mr. and Mrs. Charles H. Hinman, Dr. and Mrs. Louis M. Ellis, Noel Iverson, Mr. and Mrs. Carl S. Johnson, J. V. Jones, Malcolm McBride and his mother, Mr. and Mrs. C. F. Olmstead, Mr. and Mrs. E. W. Pennington, Miss Jean Richardson, Dr. and Mrs. P. E. Seaton, Mr. and Mrs. Don A. Sutherland, Mr. and Mrs. George L. Tune, Dr. Ruth M. Van Camp, Mr. and Mrs. William Von Fischer, Miss Bessie A. Wallene, Mr. and Mrs. R. C. Weber, Mr. and Mrs. P. A. Petersen, Miss Paula Petersen, Mr. and Mrs. Gordon G. Halverson, and John Morrill of Cleveland, son of President and Mrs. Morrill.

Haislet Visits Detroit—and How

The field trip report of a visit to Detroit, Mich., by Ed Haislet, Director of Alumni Relations, devotes nearly as much space to the culinary accomplishments of Mrs. Ted Mattison, newly moved to 1993 Oxford Rd., Grosse Point Woods, as it does to alumni welfare. It seems Ed barged in unexpectedly on a dinner party, thereby cutting in on quite a treat. The Fred Atkinsons were the invited guests.

Quote from field report: "Not only was her spaghetti wonderful, but her chocolate banana cream pie was delightful."

In the after dinner discussion of Minnesota alumni affairs, Mrs. Mattison, as president of the University of Minnesota Women's club of Detroit, expressed the hope arrangements could be made for President and Mrs. J. L. Morrill to attend a meeting of Minnesota alumni in Detroit at the time of the Minnesota-Michigan football game next October 22. Mrs. Mattison announced that the Detroit club has \$500 ready to

give to the University for a scholarship for women.

Boston Plans Organization

A meeting of Minnesota alumni in Boston was held at the Myles Standish Hotel on January 27. Dr. Ronald Wyman '31D, 53 Bay State Road, was in charge of arrangements, with the assistance of Dr. David C. Ditmore '26Md., 9 The Ledges Road, Newton Centre, Mass. There were 24 persons present.

Plans were discussed for the organization of a Minnesota Alumni club of Boston and those present agreed to serve as an organization committee under the chairmanship of Dr. Wyman. Present from the campus was William S. Gibson, Field Secretary of the Minnesota Alumni Association, who reviewed current University news and showed the movie highlights of the 1948 Minnesota football games.

Philadelphia Makes Plans

Preliminary plans for a program of activities of the Minnesota Alumni club of Philadelphia were made at a meeting of Minnesotans at the Engineers Club in that city January 29th. Arrangements for the meeting were made by two past presidents of the club, Arvid E. Nissen '13Mines, 315 S. State Rd., Upper Darby, Pa., and S. A. Parsons '25IT, 508 Turner Avenue, Drexel Hill, Pa.

Harold E. Stassen '29L, president of the University of Pennsylvania, was unable to be present because of another engagement, but sent his greetings to the group.

The following committee was named to outline further details of organization and to make plans for a general meeting of all Minnesota alumni in the Philadelphia area: A. E. Nissen, chairman; S. A. Parsons; Wallace H. Anderson, 204 Elm Terrace, Narberth, Pa.; R. A. Larsen '43; '47Gr, Wawa, Pa.; G. P. Masogolites '41ChemE, Beachwood Apartments, Narberth, Pa.; and Ivor V. Jones '15E, 21 E. Oakdale Ave., Glenside, Pa. In compiling an address list the committee is anxious to hear from all Minnesota alumni in the Philadelphia area.

William S. Gibson, Field Secretary of the Minnesota Alumni Association, gave a report on current campus activities and showed 1948 Minnesota football movies.

50 Attend Washington Meeting

A meeting of Minnesota alumni in Washington, D. C., was held on Sunday, January 30 at 3:30 p.m., at the Wardman-Park Hotel. Clifford S. Stephens '23E, 5910 Moreland Street, N. W. Washington 15, presided. He organized and headed the committee which arranged the meeting for the purpose of re-activating the Minnesota Alumni club of Washington.

There were 90 persons present. The meeting voted to empower the committee, under the leadership of Stephens, to continue with the planning of organizational details and program. William S. Gibson, Alumni Association Field Secretary, related campus happenings and showed movies of the 1948 Minnesota football season. Mr. Stephens presented a summary of the history of the Minnesota Alumni club of Washington and introduced the members of his committee.

Committee members are Mr. Stephens, Emil G. Anderson '24E, Miss Harriet H. Broderick '32, Carl Corse '35, Stanley C. Goodwill '40B, Weston B. Grimes '32L, Miss Louise Eckburg '31, Dr. Walter E. Osmundson '23D, Mrs. Osmundson, Mrs. Clifford S. Stephens, E. Irving Manger '33Ag, Mrs. Manger (Margaret S. Larsen '27HEc), Wesley Schwieder '38E, Mrs. Schwieder, William Boese '37EE, Dr. Oscar Norgorden '31EE, '36Physics, Mrs. Norgorden (Virginia Pemberton '33Ed), and Edwyn Rydlun '19Mines.

"U" Club Meets

The University of Minnesota Alumnae club held its monthly meeting in the Junior Ballroom of the Coffman Union on January 22, with a noon luncheon. Mark A. Graubard, Associate Professor of General Studies at the University, spoke on "New Sciences of the Twentieth Century." The next meeting was to be in the Minnesota Historical Building on February 19, with Miss Esther Jerabek, Head of the Acquisition Department of the Minnesota Centennial, scheduled to talk on "The People of Minnesota."

"The Integrated Life," a volume of essays and poems by Dr. Thomas P. Beyer, a professor of English at Hamline University in St. Paul, was published recently by the University Press.

Wedding Bells

1935

Lawrence S. Dreiman '35; '38MA, and Doris Rubens were married recently in Minneapolis. Mr. Dreiman is special representative for European cooperation administration in Paris, France. The couple will return to Paris in the near future.

1938

Vivian D. Rising '38N, was married to Richard Wright in December. They live at 2750 N. 23rd St., Oklahoma City, Okla.

1943

Robert A. Van Nest '43B, and Mrs. Van Nest (Dorothy Anne Murphy) are at home at the Oak Grove Hotel in Minneapolis after a wedding trip south. They were married December 18 in Evanston, Ill.

1944

June Herrick '41-'44, was married to Donald M. Swanson '36-'39, in January, in Minneapolis, Minn.

1945

Dr. John F. Alden '45Md, was married in January to Meredith Webster Brown of Rhinelander, Wis. After a trip through eastern Canada, they are at home at 1673 Randolph Ave., St. Paul, Minn.

1946

Frances Gladys Barber '46A, was married recently to Richard E. Reed in Minneapolis.

Anne Louise Hamel '46, was married in January to William J. Hickey, Jr. After the wedding they left for a trip to New Orleans.

1947

Gladys Gullickson '47, was married in January to Darrel K. Vaughn of Rush City, Minn. After a short wedding trip, they will be at home at 406 Bates Ave., St. Paul. Mr. Vaughn will receive an engineering degree from the University in the spring.

Dr. Gordon Emerson '47, and Miss Jean Hallwig of Red Wing, Minn., were married Saturday, January 8. Dr. Emerson is located at River Falls, Wis.

Muriel I. Doane '47, and Robert Buettell were married March 28, 1948, at Mitchell, S. D. They are making their home in Mitchell.

1948

Lucia Tearse '48, was married in January to Bradley C. Bowman II. They will reside in Minneapolis after a trip in the West Indies.

Dr. Frank C. Yetter '21D, and Mrs. Yetter, are announcing the marriage of their daughter, Frances '48Ag, to Lt. Lewis L. Richards, of Winchester, Va., January 3. The couple are at home in Minneapolis.

John Thomas Griswold '48, was married to Norman Jean Thommen in St. Paul recently. After a short wedding trip they are at home at 1274 E. Como Blvd., St. Paul.

Around and About with the Alumni

—1907—

Elmer F. Blu '07LLB, Duluth lawyer and civic leader retired in December after 38 years of service as general solicitor of United States Steel corporation subsidiaries in the Duluth area. He participated in important litigation, including the North Hibbing case, involving removal of the community to a new site. Blu lives at 3500 East First Street, Duluth.

Arnold Gloor '07, has been named assistant professor of German at Randolph-Macon college, Ashland, Virginia. A former member of the University faculty, he served as a public school superintendent in Long Prairie, New Ulm and Crookston, Minn. Prior to

taking his new position he was professor of German and registrar at Parsons College, Fairfield, Iowa.

—1911—

John F. McGovern '11LLB, was elected president of the National Canners association at the national convention in Atlantic City, N. J., in January.

—1913—

Miss Barbara H. Wright '13, supervisor of counselors for the Minneapolis public schools, sailed for South America February 1 and will be gone two months. She was the honor guest at a tea given by the board of education counseling office at the College Women's Club recently.

—1921—

Amos S. Deinard '21LLB, was recently appointed chairman of the Minneapolis Fair Employment Practices Commission. Mr. and Mrs. Deinard, the former **Hortense H. Hoig** '30, reside at 1933 Humboldt Ave. So., Minneapolis.

—1922—

William W. Wolkoff '22B, certified public accountant, has formed a partnership with **M. Rodney Effress** '35B, certified public accountant, under the firm name of Wolkoff & Effress. They specialize in federal and state tax matters. They are at 428 Minnesota Building, St. Paul, Minn.

John C. Plonsky '22Ag, is in Pasadena, California, where he is general manager of the Ray Ewing Co. in the feed and livestock industry. He is considered one of California's best authorities in his field and his knowledge is backed up by wide training and experience in agricultural research. He formerly was affiliated with Snow & Company, Los Angeles brokers.

—1925—

Rudolph K. Froker '25Ag, '27MA, is the new dean of the State College of Agriculture, University of Wisconsin. Froker joined the staff of the University of Wisconsin in 1927 and except for short leaves of absence, he has been for more than 20 years a member of the Wisconsin agricultural economics faculty. In that time he has helped Wisconsin dairy farmers form and develop their marketing organizations. Mr. and Mrs. Froker (**Mildren M. Rollins** '26-HE) have four children, Lowell 15, Nancy 12, and the twins, Kathleen and Constance, 6. They reside at 3346 Blackhawk Drive, Madison.

Vernon H. Olson '25CE, writes that he has been elected president of The Casualty Association of Pittsburgh. He is also on the board operating the local municipally owned water plant for the Borough of Oakmont.

Dr. Harold S. Fink '25Ed, '29MA, is living in Knoxville, Tenn., where he is a member of the staff of the University of Tennessee. His home address is 1523 Seymour Ave., Knoxville.

—1926—

Dr. Lawrence Hafstad '26IT, executive secretary of the U. S. Defense Department's joint research and development board, is the new director of the

Grad Plays Santa in Berlin



"Your Christmas present went to a German child who otherwise would have had no Christmas."

This was the greeting sent in lieu of the usual Christmas gifts to relatives and friends of **Miss Mabel Klouda** '42. Miss Klouda is now working with the Press Branch of the Public Information Office of Military Government in Berlin, Germany. She formerly was a secretary in the University's English department.

Instead of shopping for presents to send out of a city where living conditions preclude any extensive Christmas cheer, Miss Klouda and her roommate went shopping for German chil-

dren who were facing a Christmas without a Santa Claus. They found 32 in a Berlin hospital for whom Christmas would have been just another day. Many of them had been hospitalized for six months and longer, and because of hospital expenses their families were unable to furnish anything for Christmas.

The girls "scrounged" Berlin for suitable toys and borrowed precious rationed items like chocolate, sugar and candy from Americans with commissary allotments. They agreed that the enjoyment of the children, who anxiously awaited the arrival of their "Amerikanischen Tanten" (aunts), was well worth the effort.

atomic energy commission's \$120,000,000 program for development of atomic power and larger supplies of explosives.

Early in the development stage of atomic energy, he was a colleague of Dr. Merle A. Tuve '22IT, '23MA. Later during the war, the two of them were instrumental in the development of the proximity fuse and guided missile research at the Carnegie laboratory for study of terrestrial magnetism in Washington, D. C. In 1931, he shared an award from the American Association for the Advancement of Science with Dr. Tuve for development of a million-volt vacuum tube.

Hafstad is also credited with pioneering work in investigation of radio-wave reflections from magnetic layers in the upper atmosphere and of ultra-high-frequency radio beams such as are used in radar. More recognition came to him in 1946 when the Secretary of the Navy awarded him with the medal of Merit for contributions to the development of ordnance devices, some of which remain top bracket secrets. In the same year he was named director of research at Johns Hopkins University applied physics laboratories at Silver Springs, Md. Dr. Hafstad resides at 1611 Park Road N. W., Washington, D. C.

—1927—

Leone McGregor '27, '29Ph.D., is living in Stockholm, Sweden, at 53 Strandvagen Street.

Dr. A. H. McIndoe '27MS, '29MS in Surgery, is in London, England, where he is a consultant in plastic surgery to the Royal Air Force. His address is, Little Warren, Lewes Road, East Grinstead, Sussex, England.

—1929—

Margaret E. Brinkman '29HE, is doing graduate work at Oregon State College.

Mrs. Robert O. C. King (**Lucille M. Bishop** '29, '32MS) is living at 30 Waghorn Street, Ipswich, Greenland, Australia. She writes that she has recently had four short stories published.

Helen Marie Starr '29Ed, recently received a doctor of philosophy degree from Ohio State University. Her address is Route 3, Como Station, St. Paul, Minn.

Robert A. Turner '29Ed, is employed by the West Point Manufacturing Company in West Point, Georgia.

Dr. Roy L. Thompson '29Ph.D., 828 Burdette Street, New Orleans, La., is

president of the Federal Land Bank of New Orleans.

—1930—

Kenneth Byerly '30, is living in Lewistown, Montana, where he is owner of the Byerly Publishing company.

Dr. Duane McCracken '30Ph.D., a member of the faculty of Mankato State Teachers College, has recently been made head of the Division of Business Education at that institution.

Dr. Justus Schifferes '30MA, member of the faculty of Columbia University in New York, was a recent visitor in Minneapolis. While here, he autographed copies of his book, "How to Live Longer" which were being sold in a Minneapolis store.

William F. Rietzke '29, '30, is the new city program secretary of the St. Paul YMCA. He formerly served with the Minneapolis North Side, Downtown and Washburn branches of the Y and was builder and director of Camp Menogyn, Minneapolis Y summer camp in Superior National forest.

—1931—

Andrew C. Geer '25, '31, is the author of a new and thrilling story of the sea entitled "The Sea Chase." It deals with World War II in which Geer served as a captain in the Marines. The book was published by Harper & Brothers.

Mrs. Robert R. Collopy (**Anne Mary Condon** '31MA) is the new executive secretary of the College of St. Catherine Alumnae Association. She is the first lay staff member placed in charge of the alumnae association campus office. She received her B.A. degree at St. Catherine and was that institution's first Phi Beta Kappa. Her home is at 1394 James Avenue, St. Paul.

Governor Luther W. Youngdahl has appointed **Lloyd L. Smith** '31, to the Governor's Conservation Advisory Committee. Smith is a specialist on fish and their living places in lakes and streams. He formerly headed the fisheries research unit in the Minnesota Conservation Department and for a short time was in charge of game fish affairs for the National Parks Service of the federal government. At present he is a member of the faculty of the University of Minnesota on the St. Paul campus.

—1932—

Harold Jack '32, supervisor of health, physical education, safety and recreation

for the state of Virginia has been named a professorial lecturer for a course under George Washington University's expanded program in the departments of physical education for women and for men.

Dustin Rice '32, and his wife, Carol, are making a name for themselves as an artist team. Dustin is on the staff of Columbia University, and Carol's work has been shown in New York, Boston and Hollywood. Her illustrations can be seen in "Mademoiselle" and in advertisements for Lord & Taylor and Weil Parfums. Carol does most of her work in oils, while Dustin interprets in sculpture. Their work was on display in January at the St. Paul Gallery and School of Art.

Clifford C. Sommer '32B, has been promoted from assistant vice president to vice president of the Midland National Bank in Minneapolis. He joined the bank in 1926 and subsequently attended the University. In 1939 he became assistant cashier. Mr. Sommer served three years in the navy and was commanding officer of an LSM in the Pacific. His residence is 106 E. 32nd St., Minneapolis.

—1933—

Dr. George S. Bergh '33Md, formerly of 2420 W. 24th St., Minneapolis, is now living at 1324 West Minnehaha Parkway.

Elmer W. Miller '33IT, is the new conservationist in Minnesota's Freeborn county. He has been doing conservation work at Wisconsin Rapids, Wis., for the past six years. His office is located in Room 1 of the Albert Lea post office.

—1934—

George Everett Fritzberg '34, instructor in piano at Washington State College, Pullman, Wash., returned to Minneapolis in December to play a recital at Emanuel Evangelical Lutheran Church. The offering at the recital went to help pay for the organ chimes of the church, the same church where he began playing when he was six and where he gave his first public recital.

Richard H. Daggy '34, '38, '41Ph.D., is in Saudi, Arabia. He is working in the division of preventive medicine of the Arabian American Oil Co.

Stephen P. Ogryzle '34Ph.D., is a geologist with the Toburn Mines in Kirkland Lake, Ontario, Canada.

—1935—

Richard F. (Dick) MacMillan '35, former Gopher sports publicity director, was recently named managing editor of the Honolulu Advertiser, famous Hawaiian newspaper. He was advanced from news editor.

—1936—

Mrs. Ian Cameron Poole (Betty Margaret Bolinger '36Ed) is living in Aruba, Netherlands, West Indies, where her husband is associated with the Lago Oil Co. Their address is P. O. Box 293.

—1937—

Dr. Myron R. Pope '37D, writes that he is still practicing in North Hollywood at 11739 Victory Blvd. The recent snow they had there reminded him of Minnesota. He, like many others, is quite anxious to see the Gophers in the Rose Bowl.

—1938—

Harry A. Anderson '38Md, has been appointed assistant medical director of the Kodak Park medical department, Rochester, New York. He became a member of the department staff in 1940. From 1941 to 1945 he served as a Naval officer, first with the Marines in the South Pacific theater and later on the aircraft carrier Hornet. He was discharged with the rank of commander. Dr. Hanson is a member of the Rochester Academy of Medicine, the Medical Society of the County of Monroe, the Pathological Society, and the various state and national medical associations. He is on the staff of the Rochester, N. Y., General Hospital. Dr. Hanson resides at 253 Alexander Street, Rochester.

Leonard J. Melby '38B, employed by the Hancock Insurance agency since 1938, has been appointed agency assistant of that company. He will be engaged in general field sales work, assisting in training and development of sales information plans. Mr. Melby resides at 3833 Upton Ave. S., Minneapolis.

—1939—

Richard O. Belkengren '39, 41Ph.D., is in Honolulu, T. H., where he is a draughtsman with the Hawaiian Pineapple Co. His address is 814 Kealaolu Ave., Honolulu.

State Representative **Robert J. Sheran '39L**, has been named as "the outstanding young man of Mankato" (Minn.)

by the Junior Chamber of Commerce. He was the speaker at Roosevelt High School graduation exercises in Minneapolis in January. He is associated with the law firm of Gallagher, Farrish & Sheran.

—1940—

Raymond R. Halik '40IT, recently received a Ph.D. degree from Carnegie Institute of Technology, Pittsburgh, Pa. The subject of his dissertation was Heat Transfer Coefficients in the Condensation of Mixed Vapors of Miscible Liquids.

Arthur Richard Schmidt, Jr. '40Phm, is living in Kansas City, Missouri, where he is a flight dispatcher for Trans World Airlines in that city. As one of the "Watchdogs of the Air Lanes" who are constantly on the alert to keep the big TWA planes flying through the skies day and night, he shares credit for TWA's outstanding record of on-time performance and schedule dependability.

—1941—

Dr. George H. Berryman '41Ph.D., has been named head of the nutrition branch of the quartermaster food and container institute for the armed forces with offices in Chicago. At the present time, he is attending the University of Chicago where he is completing work for his M.D. degree. The duties of his new job will be to direct basic research on nutritional aspects of food used by the armed forces or procured by the Department of National Defense for feeding programs in other parts of the world.

Miles Gordon Porter '41, '46LLB, opened law offices in Jackson, Minn., recently. Formerly of St. Paul, Mr. and Mrs. Porter and their two children, Kathleen and Patrick were to move to Jackson soon.

John R. Butler '41Chem, is employed by the Stanolind Oil and Gas Co. manufacturing department in Tulsa, Oklahoma.

Wesley C. Haraldson '41, '42Gr, U. S. foreign service officer, has been transferred to duty in the Department of State from Berlin, where he had been stationed since he joined the Foreign Service in October 1945. While doing graduate work at the University he was an instructor for three years. His official address is Aneta, N. D., and his local address is 2109 Sixteenth St., Arlington, Va.

—1942—

Jon Olaf Hondrum '42Ed, is attending Yale University at the present time. His address is 2799 Yale Station, New Haven, Conn.

Dr. Theodore L. Nydahl '42Ph.D., is professor of history and head of the Division of Social Studies at Mankato State Teachers College. He has recently been elected president of the Mankato Kiwanis Club.

Erwin R. Johnson '42Ag, has been appointed research associate in agricultural engineering at Iowa State College, Ames, Iowa. Before beginning his work there on January 1, he was employed by International Harvester Co.

—1943—

Dr. Austin Michael McCarthy '43Md, is living in Willmar, Minn., where he is associated with the Willmar Clinic. From 1942 to 1943 he interned in the Minneapolis General Hospital and for five years was a resident in the department of surgery in that hospital. Dr. and Mrs. McCarthy and their 17-months-old daughter are residing at 322 First St., Willmar.

William F. Barrow '43, is living at 1625½ Palm St., San Luis Obispo, California. He is an investigator with the U. S. Immigration and Naturalization Service.

—1944—

Saxe Dobrin '44IT, is with Shell Chemical Corp. in the products application department, Martinez, California. He received a Ph.D. degree in chemical engineering from Cornell University in November. Mr. Dobrin's home address is 2829 Forest Ave., Berkeley, Calif.

—1945—

Dr. Henry Seymour Kaplan '45MS, has joined the Stanford School of Medicine faculty as radiologist with the National Cancer Institute of the U. S. Public Health Service. Earlier in his career he held a National Cancer Institute fellowship in the University of Minnesota department of radiology. He is also a former member of the Yale Medical School faculty. He has been active in research on the effects of radiation energy on living tissues.

Helen Marie Rice '45, was selected by Cole Porter as one of two out of 400 tryouts for her Broadway smash hit "Kiss Me Kate." He also encouraged her in the possibility of understudying the leading character, who is Patricia Morison.

Billie Helen Kolb '45, has recently joined the advertising promotion department of The Architectural Forum, published by Time, Inc. After graduation Miss Kolb worked as a designer with the Container Corporation of America, and previous to joining The Architectural Forum she was a researcher with the Grant Advertising Agency in Chicago. Her work with the Forum will be in market research.

Theresa Yutzenka '45HEc, is assistant dietitian at Doctor's hospital in Seattle, Washington. She has held this position since May, 1948.

—1946—

Dr. Charles Lindemann '46Md, and **Mrs. Lindemann (Genevieve Butts '46Ed)** are living in Milwaukee, Wis., where Dr. Lindemann is a resident in internal medicine at Milwaukee County General Hospital. They have a new daughter, Joan Carol, born November 26, 1948.

Lloyd Duane Yates '46, received a master of science degree from Ohio State University in December. He is an instructor in the department of Aeronautical Engineering there.

John F. Scanlon '46D, has opened a dental office in New Brighton, Minn., after spending two years in the service.

Milton Bohard '46, received his masters from the University of Indiana last June. While on the campus he was an announcer for radio station WSUA in Bloomington, Ind. At the present time he is assistant professor in speech at Manchester College, North Manchester, Ind.

Walter S. Zumbach '46, is residing in Framingham, Mass. He received a B.E.E. degree last June from Ohio State and joined General Electric upon graduation. From June to September 1948, he was in the Cincinnati sales office, after which time he went to Schenectady where he remained until December. At the present time, he is in the engineering laboratory of Telechron Inc., in Ashland, Mass. His address is 25 Essex Street, Framingham.

Max Kampelman '46, has received a leave of absence from his post as professor of political science at Bennington college, Bennington, Vt., to go to Washington, D. C., as legislative counsel to Sen. Hubert H. Humphrey. Kampelman is a former member of the University staff.

Gordon S. Jaek '46MA, has been ap-

pointed chairman of the state board of parole in Minnesota. Since October, 1947, he has been supervisor of probation and parole services for the Minnesota Youth Conservation commission. A former University of Minnesota teaching assistant he became a deputy county probation officer in Minneapolis in 1940. Later he served as supervisor of social services for the juvenile court. He also was in charge of the University of Minnesota training center for graduate students set up within this department. Jaek was a boys' worker and district secretary in Minneapolis in the Big Brothers movement in 1939 and 1940. He served three war years as a Naval Intelligence officer. He lives at 3253 Twentieth Ave. S., Minneapolis.

—1947—

Charles F. Bergtholdt '47MPh, has resigned his position with the Nebraska State Department of Health to accept one as industrial hygienist, Medical Department, U. S. Naval Gun Factory, Washington 25, D. C.

Richard A. Hausler '47L, is now assistant professor of law at Miami University, Oxford, Ohio. He holds an LL.M. degree from New York University.

R. J. Zweber '47Phm, is living in Los Angeles, Calif., where he is employed by Horton & Converse, Prescription Pharmacists. He and his wife, the former Elaine Yung, are residing at 213½ E. Sixty-seventh St., Los Angeles.

H. Clifton Kroon '47L, recently joined the law firm of Regan and Regan in Mankato, Minn. He was a member of the University's academic staff in 1947-48 as advisor in the office of the Dean of Students. He was president of Gamma Eta Gamma, a professional legal fraternity, while attending the University. From 1943 to 1946 he was an educational and vocational counsellor in the army.

James Thompson '47, has been awarded a \$1,000 scholarship by Stanford University, Stanford, Calif. This scholarship represents an innovation in theatrical circles since it is designed for students who have already had professional or high class amateur experience. The grants are made possible by funds from Stanford University, the Stanford Players, and the National Theatre Conference. Thompson directed Army Special Service war-time productions and was a technical director at Bennington College. While at the University of

Minnesota he was a member of Masquers and the Minnesota Drama Technicians and National Collegiate Players. He will enter Stanford in March for five months of study.

Kathleen Henline '47, is residing in Le Sueur, Minn., where she is employed as a home economics teacher in the public schools.

—1948—

Wayne Frank Gilleland '48Ed, and **Mrs. Gilleland** have announced the birth of a son January 10 in St. Paul. Mr. Gilleland is coach at Wanamingo High School and a former member of the University basketball squad.

Jack W. Dallman '48Chem, has been working for the Standard Oil Co. in the Technical Service Division since graduation. His address is 1592 East Eighty-sixth St., Apt. 2, Cleveland 6, Ohio.

Hubert B. Allinger '48IT, has joined the Kodak Park Works division of Eastman Kodak Co., Rochester, N. Y. He is serving as a physicist in the paper service department.

BOOKLET ON LEGISLATURE

A realistic picture of how the Minnesota Legislature is organized and how it functions as a lawmaking body is presented in the booklet "Ninety Days of Lawmaking in Minnesota" published by the University of Minnesota Press for the Minnesota League of Women Voters. Originally prepared by Ruby Britts of Duluth in 1939, the pamphlet has been revised and brought up to date by Barbara Stuhler, organization secretary of the league. Single copies of the booklet may be purchased from the League of Women Voters, 84 Tenth Street S., in Minneapolis, and quantity orders will be filled by the University of Minnesota Press, 10 Nicholson Hall, Minneapolis 14.

Alan M. Kennedy '28, director of public relations at Northwestern National Life Insurance Company in Minneapolis was elected president of the Life Insurance Advertisers Association at a recent meeting of the group in Washington, D. C.



COMES THE REVOLUTION!

It's here—now—today!

For you—the American citizen—are the greatest revolutionist in history!

You have met those age-old tyrants—cold, hunger, dirt, disease—and hurled them back.

True, they have not surrendered. We still have poverty. We still have sharp ups and downs of prices and jobs. The revolution still goes on.

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Right now the people of many nations are faced with a choice—between dictatorship and a free economy.

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has made mechanical energy perform miracles of mass production, reflected in constantly lower costs—and in the long run, lower prices.

At American workers—free to organize, to bargain collectively with their employers, to choose their jobs and to change them at will—with no ceilings on advancement and constantly increasing real wages for shorter working hours.

If we continue to make that system work—if we constantly turn out more for every hour we put in—if we keep on creating more wealth for all of us and more jobs for more people—then other nations will follow us.

Let's make our free, dynamic American system run so well at home that others will want to follow our example.

If we do that we will give new hope to millions everywhere.

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—Why the mainspring of our system is productivity
—How a better living can be had for all

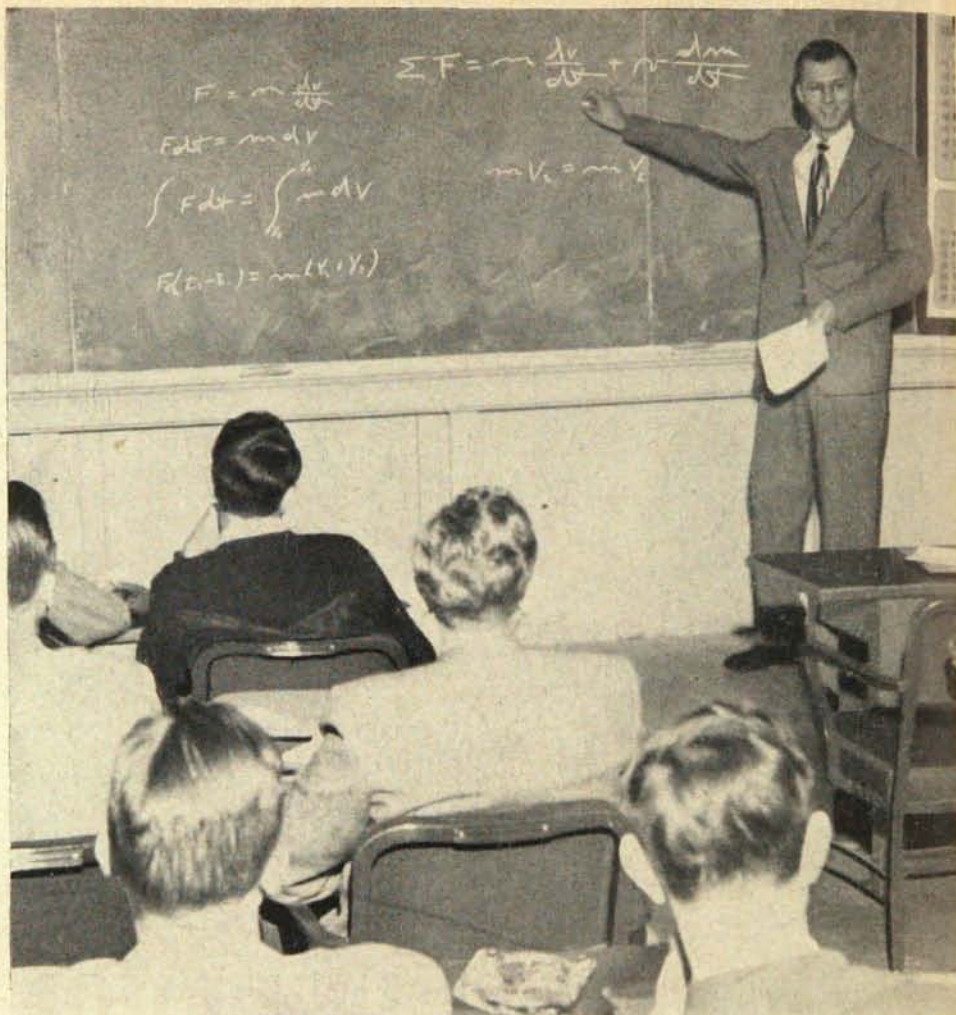
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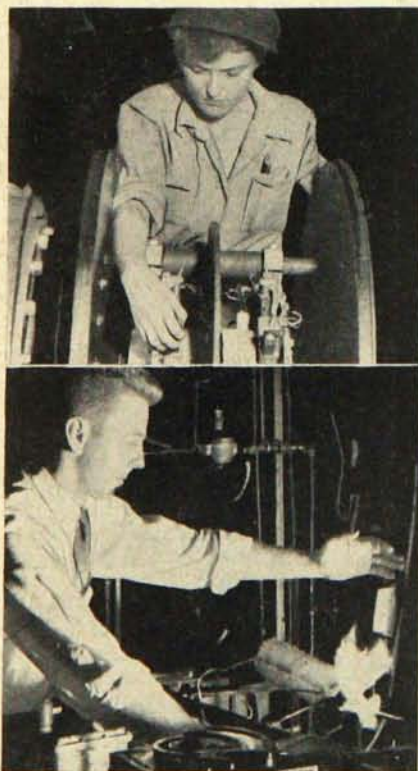
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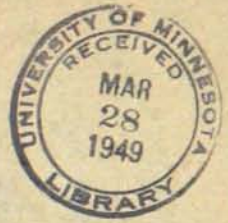


To graduate engineers, including women, General Electric offers further study in its "Test" Course, in its A, B, and C Courses of increasing specialization in engineering problems, or in its Sales Engineering Program. Business administration and liberal arts students study the broad list of subjects provided by the Business Training Course. There are other courses for advertising recruits, chemists, stenographers. Young people without college degrees may enroll in the company's Apprentice Training Program, offering training in subjects ranging from blueprint reading to applied metallurgy. All in all during 1948, the company provided free instruction in 96 courses, taught by more than 500 instructors. Total enrollments numbered 21,482. By developing new skills and new talents, G-E employees improve their jobs and increase their contributions to the quality of General Electric products.

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Minnesota ALUMNUS



Vol. 48

March, 1949

No. 7

AGRICULTURAL ISSUE



"—The real essence of work is concentrated energy"—WALTER BACHEOT



Why construction gets better all the time

WHERE ROADS were once built a shovelful at a time... today mammoth earth-movers handle a ton of earth at a time. Mobile cranes swing 20 tons at the flick of a switch. Giant crushers grind 150 tons of rock an hour. Traveling concrete mixers place entire batches as they go.

These are just a few of our improved powered tools of today that do a better job of construction *faster* and *easier*. They help provide us with critically needed new housing and business buildings... with super-highways and airfields for safer, smoother travel. And these tools are ours today because of *better materials*... and continuing research.

Alloy steels, for example, give them greater strength to resist shock and abrasive action... stamina to overcome the strain of day-by-day speed-up demands. And modern oxy-acetylene processes for welding and flame-cutting speed production of these better products of better steel.

Carbon is in the picture, too. In the form of electrodes, it's essential both to the production of alloy steels and the

making of calcium carbide... from which comes acetylene gas for welding. Also, a chemical known as an *amine* provides a wetting agent for asphalt... speeding construction by making the asphalt stick more easily and firmly to its crushed rock base.


The people of Union Carbide produce these and many other materials essential to today's better building and construction. They also produce hundreds of other materials for the use of science and industry, to help meet the needs of mankind.

FREE: You are invited to send for the new illustrated booklet, "Products and Processes," which describes the ways in which industry uses UCC's Alloys, Chemicals, Carbons, Gases, and Plastics.



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MARCH, 1949

COVER PICTURE

As a fitting introduction to this Agricultural Education issue of the MINNESOTA ALUMNUS, we present to you on the front cover two student leaders of the University's College of Agriculture—busy making Ferdinand a thing of beauty for a livestock judging contest to take place on Ag Royal Day.

Gerald Michaelson, an Ag senior from Dawson, Minn., this year won the Freeman medal for the outstanding leadership record in his class and the traditional Little Red Oil Can as the person who has done the most for the College of Agriculture.

Patricia Thurston, Home Economics senior from Faribault, Minn., another Farm campus leader, is president of the professional home economics sorority, Phi Upsilon Omicron, the past president of the Ag student council.

You agree that they make a good team to exemplify educational achievement on the Farm campus? They also are a team by which to identify the Farm campus as a setting for romance. Be advised that "Jerry" and "Pat" are engaged and will be married June 18—one week after they receive their University diplomas.

BOTH BARRELS, PLEASE

Bound to a desk most of the time, it is a difficult task to know how one's product is received. We will welcome criticism—even the destructive sort, if it offers the basis for sound correction and improvement. Under the reorganized plan your alumni magazine is in an experimental stage, trying out various ideas as to proportionate content, typography, layout, pictures, color printing, distribution, etc. One of our aims is to advance the publication date to the early part of the month. May we have your suggestions — SOON? — The Editor.



Cock-a-doodle don't!

WHEN you pass a milestone in your career, there's always the temptation to do a little crowing.

For instance, National Life insurance in force now totals over a billion dollars. That's a lot of life insurance. As a matter of fact, out of the more than 500 life companies in United States, only 28 have topped this billion-dollar mark. So probably we could be forgiven for making quite a fuss about it. But actually, what's behind this billion?

The real point, it seems to us, is that almost 200,000 people all over the country have chosen our mutual company to help them become financially independent. Families and individuals — they have hopes and plans for the future which they value at one billion dollars — and they have placed them in our hands.

This makes us feel proud . . . and humble at the same time. That's why we're not doing much crowing . . .

But when we mail out those monthly checks and stop to think what each one means — a deserving student sent to college . . . a fatherless family held together under its own roof . . . a widow maintained in decent comfort . . . an elderly couple retired to well-earned leisure . . .

That's when we really feel like crowing!

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Minnesota ALUMNUS

Continuing the Minnesota Alumni Weekly which was established in 1901. Published monthly from September through June by the Minnesota Alumni Association, 205 Coffman Union, University of Minnesota, Minneapolis 14. Member of the American Alumni Council.

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THOMAS C. BUXTON, '40Ex, *Editor*

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Zoology Lecturer

An added feature of the University's zoology schedule this quarter is the presence as a guest lecturer on the campus of Dr. Ernst Mayr, curator of the Whitney-Rothschild collections at the American Museum of Natural History in New York City. The subject of his course is "Origin of Species and Other Problems of Evolution."

How It Looks from Here

By Edwin L. Haislet
 Director of Alumni Relations

YOU CAN SERVE

One of the chief criticisms of the Minnesota Alumni Association has been that it was an exclusive and self-perpetuating organization.

That criticism no longer is valid since the new constitution was voted last July. Every effort is now being made to make the Minnesota Alumni Association a true grass-roots organization.

The association is a non-profit corporation of the State of Minnesota. The Board of Directors consists of twenty-one members elected for three-year terms by the members of the corporation through ballot in the MINNESOTA ALUMNUS. Results of the election are announced each year at the annual meeting on Alumni Day, this year June 10. Membership in the corporation is open to all former students and graduates of the University upon payment of an annual membership fee of three dollars—or through life membership of fifty dollars. Each member is entitled to one vote.



Ed Haislet

The Board of Directors of the Association conducts the business of the Association through the Office of Alumni Relations on the campus. The Executive Secretary of the Board is Director of Alumni Relations and responsible to the Board for the carrying out policies and the program. Financial support of the Office comes from membership fees, paid advertisement as well as strong assistance from the University in way of quarters and staff.

The Office of Alumni Relations represents the alumni on the campus and as such, acts as their ears, eyes and voice. Direct contact with University administrative officers, faculty, staff and students as well as membership on the Administrative Committee, University Senate, and University Public Relations Council, allows the director of Alumni Relations to be conversant with University policy and programs. In turn the Board of Directors of the Association are properly advised of matters of alumni concern.

The main business of the Association is carried on by the Board of Directors through an executive committee of seven. The executive committee operates through a number of standing and special committees. All matters of a regular and reoccurring nature are referred to one of the following standing committees: Alumni Clubs, Alumni House, Athletic Awards, Constituent Association, Duluth Branch, Editorial Advisory, Homecoming and Alumni Day, Investment, Nominating, Regional and District organization, Scholarship, Student Loan, and University Songs.

All matters of special interest which are of terminal nature are referred to special committees—at the present there are three—Grey Friars report, Rose Bowl and University Centennial. Several of the Standing Committees have been appointed and are already meeting regularly and others are in the process of being appointed now by President Arthur R. Hustad.

The point to be made is that through standing and special committees an opportunity of service is offered you. President Hustad is anxious to hear from alumni who would like to help—the only requirement is that of membership in the association. Without exception, the committee already serving have brought to their work a real enthusiasm and a deep interest in the welfare

of the University. The April issue will carry a full description of the committees in action and the jobs they are doing.

A second opportunity for service is through affiliation with alumni clubs at the local level. Alumni clubs are being organized as fast as possible throughout the eighteen alumni districts of the State, the regions of the United States and the countries of the world. If there isn't a Minnesota Alumni club in your community or area, *there should be* and we ask your help in initiating such a club. An inquiry from you about the possibility of starting a club is the necessary first step. We welcome your letter.

A third opportunity to serve is through the Alumni Advisory Council. This council consists of interested alumni from every nook and corner of the State. Officers of alumni clubs, district officers and others assist the Board of Directors to understand the pulse of alumni feeling throughout the state—as well as interpret the feelings of the local communities toward the University.

Another avenue of service is through membership in a constituent alumni association—that is, a group of alumni with a special interest—ordinarily organized along professional lines. This type of organization encompasses college, school, department and division alumni associations, such as the Law School Alumni Association, the Farm School Alumni Association, the Institute of Technology Association, School of Journalism Association, etc. Other constituent-type associations include the Minnesota Alumnae Club and M Club. It is the plan of the Board of Directors to work out special affiliation charters for constituent associations which will be mutually beneficial and which will extend this type of association.

The success of any program is measured by the degree of participation of its members. Participation depends upon the opportunity to be a part of an "on going" program. Under the new reorganization plan, opportunities for service will be constantly broadened. There is a great job to be done by the Alumni Association. Things are already happening and we invite you to be a part. The first step is to become a member—then take advantage of the opportunity to help. There is room for all of us—you can serve!

Morrill Gives "U" Budget to Solons

Though the 1949-51 budget for the University of Minnesota remains for determination by the state legislature, it can be said with conviction that chances for favorable consideration were materially advanced by the manner of its presentation by President Morrill.

His careful, firm, but unimpassioned statement of the institution's need in the face of increasing student and public service loads and increased costs aroused much favorable comment by a number of legislators. They felt he was asking for no more money than was actually necessary to maintain the University at the required level of optimum service.

President Morrill spoke in mid-February to members of the house of representatives, outlining the University's accomplishments and difficulties in meeting the increased demands of recent years and in seeking to acquire and hold high class educators and research leaders against offers from other institutions.

On February 23, 24, and 25, President Morrill led the administrative staff and department heads in presentations of the detailed budget items to the house appropriations and senate finance committees. Here, again, he had the careful attention of the legislators.

Opposed Higher Tuition

In addressing the house, President Morrill opposed the suggestion for increased tuition costs to help the budget on the grounds increased costs to the students might bar from higher education many of the young people whose education would be of greatest public value.

Young people who want higher education should have the greatest possible opportunity for it, he said. Declaring the University maintains educational efficiency despite its swollen enrollment, President Morrill, said: "Sometimes people say there are too many people going to college. What they usually mean is too many of somebody else's children—not their own."

To the house and senate committee, President Morrill and the other administrative leaders explained the

National Speech Winner Will Enroll at University

Kerron Johnson, 17-year-old St. Paul Wilson high school senior who recently won a \$500 national scholarship contest in public speaking, will enroll at the University of Minnesota next fall. The scholarship is for any university or college in the United States.

Part of the credit for his decision to attend the University belongs to the All-University Congress and its unit organization, the Sophomore cabinet. These organizations, appreciating the value of bringing superior students to the University, did some missionary work with Kerron which they believed was helpful.

Under assignment by the congress, a committee from the Sophomore cabinet called on Kerron to outline the advantages of attendance at Minnesota and to answer questions about the "U" and student life on the campus.

On the committee were Jerome Shulkin, Gerry Busse, Alan Upin, Charles Hunt, and Ruth Ann Weesner. Their efforts were materially aided by Clayton G. Rein of the St. Paul Junior Chamber of Commerce.

With his address, "I Speak for Democracy," Kerron was one of four boys in the United States to win identical scholarships as top prizes in a contest sponsored by the United States Chamber of Commerce, National Association of Broadcasters, and the Radio Manufacturers' Association. The winners received one-week trips to Washington D. C., to receive their prizes. They were introduced to President Truman.

Kerron plans to study either radio speech or petroleum engineering.

University's general maintenance appropriation request, including operation of the Duluth Branch and the general building program.

Items in the general maintenance proposals included academic salary adjustments, \$965,071; civil service salary adjustments, \$570,240; new positions, \$367,061; and supplies, equipment and plant operation, \$1,169,283.

The total budget request for the biennium for all expenses of the Minneapolis, St. Paul and Duluth campuses and the branch agricultural schools, was \$39,822,434.

"U" Develops Many New Plant Varieties

By Jo Bjornson Nelson

Publications Office, University Farm

One hundred twenty-two varieties of fruits, vegetables, and ornamental plants successfully developed to meet the climatic and other growing conditions of Minnesota and other northern states!

This number of "new" varieties growing in orchards and gardens over a wide area is the enviable plant breeding record of the University of Minnesota's Division of Horticulture.

In the past year alone, according to W. H. Alderman, division chief, the division named and introduced five new fruits, three potatoes, two chrysanthemums, and four rose varieties.

Coupled with the plant breeding work in the horticultural division's service to the state is its educational activity and research other than for plant breeding.

Plant Breeding

The work in plant breeding was begun as the result of urgent need felt by the early settlers for hardy, adapted varieties. Among the pioneers were would-be-fruit growers who found that the existing varieties of tree fruits and small fruits would not survive under Minnesota conditions.

Since the University of Minnesota Fruit Breeding Farm was established 42 years ago near Excelsior, the division has developed and introduced nearly 60 varieties of winter-hardy orchard and small fruits, most of them extensively used in the orchards and gardens of this state. Some, like the Latham raspberry, Haralson apple, Red Lake currant, Evermore strawberry, and Superior and Underwood plums are widely grown in the northern United States and in Canada.

Seven new varieties of potatoes have now been introduced by the division. These potatoes are characterized by early maturity, high yield, good table quality and resistance to certain diseases. The first two introduced, Warba and Red Warba, have

become important commercial varieties.

Other University-developed vegetables popular in home gardens include the Kitchenette, New Brighton, Greengold and Rainbow squash; Mincu and Midget cucumbers; Golden Gopher muskmelon; Northern Sweet watermelons; Minoval eggplant; Mingo tomato and Duluth snap bean. A hybrid tomato developed by the University is being produced and sold by a Minnesota seed company.

The charm and color of autumn flower gardens owe much to the introduction of 26 varieties of garden chrysanthemums developed by Dr. L. E. Longley and especially adapted to northern gardens. Producing a new variety of flower, vegetable or fruit requires patience, careful observation of thousands of seedlings, experienced judgment and a period of testing and culling of the selections that may take from three to 30 years.

Though plant breeding occupies a large part of the research time of the horticultural staff, other types of experimental work are performed. For example, investigations are being made of fertilizers, growth regulators

and use of chemicals for weed control, to mention only a few of the problems being studied.

Testing and Tasting

The work in frozen foods is another aspect of the research carried on by the Division of Horticulture. The University Frozen Foods Laboratory in the Horticulture Building 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. Under the direction of J. D. Winter, associate professor of horticulture, the laboratory has been operating in close cooperation with the Divisions of Agricultural Engineering, Animal and Poultry Husbandry and Home Economics.

Teaching

Teaching is another very important phase of the work done by the Horticulture Division. Students majoring in horticulture go into plant breeding in experimental stations all over the country, many others go into nursery work, some go into market gardening. Courses in horticulture are an essential part of the curricula of students planning to go into agriculture teaching or county agent work.



Pollinating cherry trees in a Farm campus green house are Roy Sauter, left, and Walter Kroenig. Skill and care are required.

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University's St. Paul Campus Serves Farm Life of All of Minnesota

Education, Research, Extension Benefit Young People, Adults

By Harold B. Swanson
Editor, Publications Office
University Farm

The University of Minnesota's St. Paul campus combines two rare qualities seldom found together in a large university.

First, there is a spirit of comradeship and personal interest. Informality, traditions such as the famous "Little Red Oil Can," close friendships and personal contacts with the faculty are by-words at University Farm.

Added to this are the advantages usually found only in large institutions. These include the opportunities to hear outstanding visiting lecturers, to attend the nation's best symphonies and other cultural functions, and to receive training under world-renown authorities.

Actually the St. Paul Campus offers training to many groups in many ways. How the University brings an educational program right to the farm and into the rural home through the Agricultural Extension Service is told in another article in this issue entitled, "Bringing Science to the Farmer and Homemaker."

Most of the educational work, of course, is conducted right on the Campus itself through the College of Agriculture, Forestry, and Home Economics; the School of Agriculture; and the Agricultural Short Courses office.

(Continued on Page 180)



C. H. Bailey

Agricultural Department Serves Complex Industry

By C. H. Bailey
Dean and Director, Department of Agriculture,
University of Minnesota

Interests of the average Minnesota farmer in these times are many and diverse. He must understand and apply various principles of biology and physics. He must plant new varieties of crops, and utilize new mechanical and engineering devices as these become available. Since he operates a small industry, he must keep such records as disclose the levels of profits of various farm operations, and be alert to market situations. As a

(Continued on Page 184)

Bringing Science to Farmer, Homemaker Is An Important Function

By Skuli Rutford
Assistant Director
Agricultural Extension Service

American farmers today are producing a third more than they did before the war. And they are doing this job with fewer workers and almost no increase in land used for crops and pastures. This miracle of production stands as a tribute to the initiative and progressiveness of the modern farmer.

The University of Minnesota has aided the farmer in this revolution in agriculture that each year brings new and better methods and new and better crops and livestock to the farm.

The University serves the farmer and his family in many ways. Its Agricultural Experiment Station is constantly seeking new answers to problems facing farmers. The results of its experimental work can be seen on every farm in Minnesota and has brought world-wide fame to the University as a leader in agricultural research.

Some of the achievements of the Experiment Station include 122 new fruit and vegetable varieties, oat varieties resistant to the dread Helminthosporium disease, rust resistant wheats, and better adapted hybrid corn. Two new University-developed hog breeds, the Minnesota No. 1 and No. 2, have taken their places among established hog breeds. New marketing methods, better livestock feeding

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Education, Research

(Continued from Page 179)

College of Agriculture

This year enrollment in the College of Agriculture, Forestry and Home Economics passed the 2,000 mark, the highest in its history. Altogether over 5,000 students have been graduated from the college to enter widely-varied careers.

Historical data on the college is fragmentary. The first professor of agriculture, Col. D. A. Robinson, was appointed in 1869 although agricultural instruction had been given before that.

Although recognized as a college for many years, the College of Agriculture did not reach its full stature until 1917 when E. M. Freeman was chosen its first dean. Under his leadership the college rose to a place of eminence among agricultural colleges. In 1943 the present dean, Henry Schmitz, replaced Dean Freeman, who retired after a long life of useful service to the University and the State.

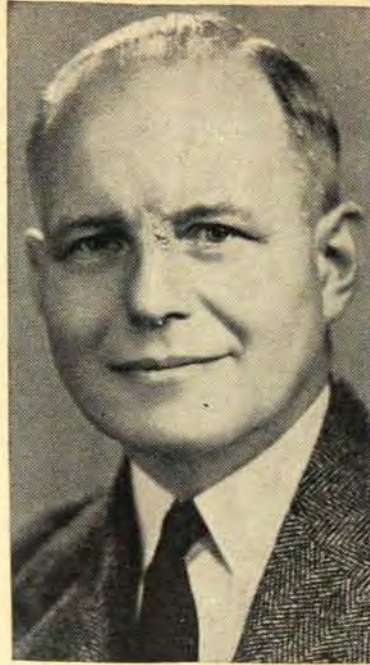
The college has the responsibility to train young people for many fields. These fields are not limited to agriculture alone. To meet the need for more highly skilled farmers, chemists, plant scientists, livestock experts, bacteriologists, agricultural engineers, businessmen in land and banking, teachers, and a host of other specialists, it offers extensive and widely varied curricula.

Four major types of training are offered. These are agriculture, forestry, home economics, and veterinary medicine. Such a description is deceptive, however, because it fails to show the wide variety of training offered in each field of study.

Take agriculture, for example. Here alone there are seven general four-year curricula leading to the bachelor of science degree. These include technical agriculture and rural education as well as agricultural education, extension, business administration, journalism, and agricultural engineering.

Even this breakdown tells only a part of the story. In technical agriculture the student can specialize in one of many fields including agricultural biochemistry, economics, education, engineering, agronomy, animal and poultry husbandry, dairy husbandry, entomology, horticulture, plant pathology, and soils.

The newest type of training is offered in the College's new School of



Henry Schmitz

Veterinary Medicine under the direction of W. L. Boyd. The 1947 Minnesota Legislature requested the University to provide professional veterinarian training. A four-year professional course, in cooperation with the College of Medicine, was immediately set up and put into operation in the fall of 1947.

The new course requires two years of pre-veterinary college work and four years of technical training. Today there are 50 first year and 24 second year students enrolled in the technical training. The first class will be graduated in 1951.

School of Agriculture

The School of Agriculture at University Farm, under the direction of Dr. J. O. Christianson, superintendent, is often confused with the College of Agriculture. The two offer widely different types of training. The School of Agriculture emphasizes training students for farming and homemaking while the College trains them for professional agricultural positions in teaching, research, and business as well as for farming.

Actually The School of Agriculture is essentially a secondary vocational school for farm boys and girls. Both high school graduates and young non-graduates are eligible for training in the School.

The School has served farm youth for nearly 60 years. During that time nearly 25,000 individuals have at-

tended the School and surveys indicate that over 86 percent of these persons are now engaged in agricultural work. Today enrollment in the School is 287.

To fit the needs for help on farms, the School operates on a six-month's basis from October through March. The School is open to boys and girls 17 years old and over. High school graduates usually take two years and non-high school graduates three years of training to graduate.

Other University Schools of Agriculture are located at Grand Rapids, Donald Dailey, superintendent; Crookston, T. M. McCall, superintendent; and Morris, Allen W. Edson, superintendent.

Short Courses

Main Street, Minnesota, is going back to school at University Farm, too. The florist from his greenhouse, the farm income tax adviser, the butter and egg dealer, and the farmer himself are all part of a back-to-school movement which finds thousands of people in agriculturally related occupations returning regularly to University Farm for short, specialized courses.

These short courses are not new. The first and the biggest, Farm and Home Week, was begun nearly 50 years ago, and it's still being offered. Since 1900 more than 50 different types of short courses have been given. Yearly attendance now averages from 5,000 to 9,000. During the past year for instance, 30 courses attracting over 9,000 persons were held. The courses are from one day to several weeks in length. Anyone may attend. Tuition fees, if any, are only enough to cover necessary expenses.

First-hand contact between the scientists and research workers, who are developing and improving new techniques, and business men and farmers who can profitably use these techniques are provided by the short courses. Nationally recognized specialists, as well as the University professors, present the material on the short course programs.

Thus, working together, the Agricultural Extension Service, which reaches 135,000 farm families each year, the College with its 2,000 students; the School of Agriculture, and the Short Courses, attracting 9,000 yearly offer wide and varied opportunities for further education to every agriculturally-minded person in Minnesota.

Bringing Science

(Continued from Page 179)

practices, improved soil conservation measures, and many other developments have come as the result of the work done by the University scientists in their laboratories at University Farm and their work under actual farm conditions throughout the state.

All this work would not be complete, however, without linking the needs of the farmer with the scientist's research. Such a link is provided by the University's Agricultural Extension Service under the direction of Paul E. Miller.

Extension brings the farmer's problems to the attention of the Experiment Station. Then, when a solution is found, Extension takes the results of the research back to the farmer. To do this dual job the Extension Service has locally appointed agents in every county and a corps of specialists working out of University Farm.

These specialists and county extension agents keep constantly in touch with both the University's and the U. S. Department of Agriculture's latest research work. Thus much of the lag between discovery in the laboratories and experimental plots and application on the farm is eliminated.

Agricultural extension work revolves around the country agricultural home demonstration, and 4-H agents. Their close contact with the farmer, the homemaker, and rural young people enables the University to serve rural Minnesota more effectively.

4-H Club Work

No movement in modern education has captured the imagination and heart of the American people as 4-H has. In Minnesota alone more than a half a million boys and girls have benefited by the 4-H "learn-by-doing" program.

Each club member must perform a project in farming or homemaking. These projects are genuine farm and home jobs. Real skills are acquired—skills in animal feeding and management, in production, and in the home arts. Leadership in this greatest of all rural America's youth movements comes largely from the parents themselves. In Minnesota over 5,000 adults give volunteer leadership freely to develop worthwhile boys and girls.

The University's county agents, the

state staff under A. J. Kittleson, state 4-H club leader, and the U. S. Department of Agriculture assist these leaders in their work. They supply the latest technical information and guidance necessary to a continuing and effective 4-H club program.

1948 was a banner year in Minnesota's 4-H club history. Enrollment reached a new peak, 51,000. Of these, 34,000 enrolled in health improvement. In this activity members strove to improve not only their own but also their community's health. Thirty-five thousand youngsters exhibited their project work at achievement days, fairs and shows; 10,000 4-H girls sewed their own clothes; over 20,000 members raised their own beef, dairy animals, pigs, poultry and sheep; 8,000 girls carried food preparation projects; 11,000 4-H'ers had their own gardens; and 8,000 had a definite part in the work of the home. In all these projects, club members were aided by scientific knowledge supplied by the University.

Better Living on the Farm

Farm families have long striven for a better and more satisfying life on the farm. Lack of income, the pressure of debts, and the high cost of improvements in farm areas kept them from enjoying many modern facilities.

During the war the situation

changed. Farm incomes have been high. Debts have been retired. Electricity has been extended to thousands of farms. As a result, the University of Minnesota Agricultural Extension Service has stressed a program looking toward better living on the farm.

Playing a prominent part in this program are Minnesota's 50 county home demonstration agents and the state home demonstration staff. Together last year they reached 60,000 rural women bringing them new ideas in home furnishing, planning meals, making clothing, and improving the home kitchen.

In response to increased interest in more attractive farmsteads Extension conducted farmstead beautification meetings attended by over 10,000 people. Other meetings stressed gardening, tree planting and the establishment of farmstead shelterbelts.

Electricity has made the benefits of running water and waste disposal possible on thousands of farms. For the past three years the Extension Service has been holding meetings to promote proper installation of these facilities. Protecting family health has been another key point in insuring better living on the farm. Agricultural Extension agents consequently are encouraging home pasteurization of milk and home safety and have

What Is the Saint Paul Campus?

Recently alumni have been hearing a lot about the St. Paul Campus of the University of Minnesota. To many of them this is a new and unfamiliar term. Actually, however, the St. Paul Campus is another name for what they knew as University Farm or the Farm Campus.

All activities on the St. Paul Campus are under the direction of University's Department of Agriculture, headed by Dr. C. H. Bailey, dean and director. Working under Dr. Bailey's supervision are the heads of the College of Agriculture, Forestry, and Home Economics; the Agricultural Experiment Station; the Agricultural Extension Service; the School of Agriculture; and the Office of Short Courses.

This special agricultural issue of the MINNESOTA ALUMNUS will tell about many of the activities carried on by each of the divisions of the Department of Agriculture. The reader will see that the University's services in agriculture extend not only to the resident students, but to thousands of the younger farm boys and girls and to their parents through educational programs, and to Minnesota's general welfare through research which benefits agriculture, the dairy and livestock industries and the health and general welfare of all people.



Getting ready for the big day

Wilbur Weise, right, member of the 4-H Blue Earth Peppy Prescottees Club in Faribault County has the help of his father, Ben Weise, in preparing Wilbur's sheep for display in the Junior Livestock show in South St. Paul. Ben Weise is the adult leader for the Peppy Prescottees. Development and support of the 4-H club movement is a major state-wide service of the University's Department of Agriculture.

promoted X-ray services in many counties.

The Extension program in agriculture is geared to bring the results of research to farmers rapidly and effectively. To do this Extension carries on a many-sided program including:

Soil Conservation—Last year Minnesota's soil lost a million tons of valuable plant nutrients. Soil not only is eroding but also is losing its fertility. To stop this heavy drain on our soil resources the Extension Service sponsored Grassland field days attended by 35,000 farmers; conducted fertilizer demonstrations in 54 counties; and assisted 19,000 farmers with land use plans, 18,000 with crop rotations, and 7,700 in constructing terraces, grassed waterways, and contours.

Weed and Insect Control—During 1948, one of the most spectacular developments in modern agriculture, chemical warfare against weeds and insects, became an integral part of many Minnesota farm operations. Ex-

tension workers arranged corn borer control meetings for 41,000 farmers in 46 counties and weed control with 2,4-D for 62,000 farmers.

Forestry Conservation—During the past 22 years, Minnesota farmers have planted 10,000,000 trees as a result of an Extension forestry educational program.

Distribution of Improved Crop Varieties—After the Experiment Station has developed new crop varieties, county agents work with the Minnesota Crop Improvement Association in bringing the new introductions to farmers as rapidly as possible. In 1948 alone 23,000 farmers obtained new varieties of barley and oats and 11,000 new legumes and grasses.

Improved Dairying Methods—Here main emphasis has been placed on improving the quality of dairy products and the breeding of dairy cattle. One example of this work is the Dairy and Egg quality caravan which has been seen by nearly 100,000 farmers in 47 Minnesota communities in recent weeks.

These are but a few of the many programs carried on by the University Agricultural Extension Service for Minnesota farmers. Others have been aimed at more efficient pork and poultry production, improving marketing, better management, and a host of other farm problems.

The pioneer work of the University of Minnesota's General College in building courses in general education was to be commemorated at a luncheon March 22 in Coffman Union. The principal speaker was to be Prof. Malcolm S. MacLean of the University of California at Los Angeles, who was director of the college when it was opened in 1932. The luncheon was arranged as a feature of a three-day conference on "Building a Program of General Education," opening March 21.

"U" PUBLISHES NEW QUARTERLY

A new national magazine, "American Quarterly," devoted to the interpretation of American life and culture, past and present, for the lay reader as well as the scholar, is making its debut this month. Published by the University of Minnesota Press for the University's program in American studies, the magazine was conceived by Professor Tremaine McDowell, chairman of the program and author of "American Studies." William Van O'Connor, assistant professor of English at Minnesota, is the editor.



P. E. Miller

Home Economics Division Serves Homes, Child Welfare Classrooms of Minnesota



Shown during their quarter of residence in the Josephine Berry home management laboratory house on the St. Paul campus are: left to right, Eleanor Phillips, St. Paul; Shirley Sagness, Breckenridge; and Mary Jean Fischer, Minneapolis. The practice living supplements classroom instruction.

Helping homemakers solve the problems of daily living is one of the objectives of the Division of Home Economics at the University of Minnesota. Directly or indirectly, the division has probably touched the life of nearly every homemaker in this state. It may have been responsible for streamlining her housekeeping, improving the health of children and adult members of the family, making her home more attractive.

For home and family life problems are the basis for the research programs carried on by the division. Results of the research are carried to people in this state by home demonstration agents, 4-H club agents and teachers in the high schools.

Nutrition Is Research Topic

Some of the research projects in the division deal with health; others with the homemaker's responsibility as a producer and consumer. Much time and attention have been given by research workers to the nutritional needs of children and youth. A project recently initiated deals with the nutritional needs of people due to aging. A few of the other nutritional problems which are the subject of study are the effects of different methods of cooking on the nutritive value of meat; the effect of freezing and freezing storage upon meat quality; the changes which take place in the quality and nutritive value of vegetables and other food products dur-

ing home cooking; the cooking qualities of different varieties of potatoes.

Clothing problems have received attention in research by Minnesota home economists, too. As a result of textile and clothing studies being made, the homemaker will be helped in spending the family dollar more wisely. For example, the relative serviceability of fabrics containing various percentages of raw and re-used wool is being investigated, as it is the serviceability of certain cotton materials used in the uniforms of professional people.

Members of the staff divide their time between teaching and research. As a matter of fact, the home economics faculty spend the major part of its time teaching. The largest number of instructors give full time to undergraduate college teaching; others teach in the college and the School of Agriculture; two divide their time between teaching and the management of the college cafeteria. A total of 32 women serve on the

staff, headed by Miss Wylle B. McNeal as chief of the division.

Clothing selection and care, food selection and preparation, nutrition, home management, home planning and furnishing, related art—these are only a few of the wide range of courses open to the home economics student.

Enter Many Fields

Girls who take courses in home economics go into many fields, including teaching. Students in the division include those who are majoring in home economics, expecting to be homemakers, dietitians, home economists in business, and cafeteria, lunch room and tearoom managers; girls who plan to teach in nursery schools, elementary or high schools or go into home demonstration or 4-H club work; graduate students preparing to teach in college, to become supervisors of home economics or to do research work. Many students from other colleges in the University want a few courses in home economics for personal and homemaking use and avail themselves of the opportunity.

The demand for home economists far exceeds the supply. Since college work in home economics was started, there has been an increasing demand for home economists in business, as well as for hospital dietitians and teachers.

The home economist has become a member of a business group to improve and help extend the company's educational program for housewives. She can help sell the product because she understands the needs and interests of homemakers and can approach them through channels they both understand. Textiles and clothing industries also need home economists, and there has been an unprecedented demand for the home economist to work with household equipment.

The University Division of Home Economics has set for itself the huge task of trying to meet these varied demands by giving specialized training for the different kinds of home economics work.

It's All in the Point of View

So you grads think life is complicated, that you have troubles. Huh! As type was being set for this issue, the undergrads were in the throes of winter quarter final exams. We shudder in retrospect, feel as if our present responsibilities are simple, indeed.

'U' Aids State's Billion Dollar Livestock Industry

Livestock and livestock products earned Minnesota farmers nearly one billion dollars in 1948! Actually five out of every six dollars the farmers earn comes from either dairying or from the sale of livestock.

Minnesota today ranks as one of the nation's leading livestock states. It ranks second both in the number of dairy cattle and in butter production; second in poultry; third in turkey; and fourth in hog production.

To meet the needs of this increasingly important industry the University of Minnesota's research staff has undertaken an all-out program to improve the breeding, feeding, management and marketing of livestock and livestock products. Several divisions at University Farm cooperate in this program.

Improving Livestock

Under the direction of W. H. Peters, the Animal Husbandry Division has made contributions worth millions of dollars to Minnesota agriculture. One of the most spectacular of these contributions was the introduction of two new breeds of hogs—the Minnesota No. 1 and No. 2. These new breeds were tailor-made by Dr. L. M. Winters and his associates to gain weight faster on less feed and to produce more lean and less fat meat. The No. 1 resulted from a cross of the English Tamworth and Danish Landrace hogs and the No. 2 from a cross of a Yorkshire with inbred Poland China lines.

Earlier University work had proved that crossing different breeds of hogs was practical and profitable on the farm. Today most commercial hog producers in Minnesota are profiting by this commercial method of hog production. At the same time, other workers were developing better rations and were discovering what feeds are essential to swine health and growth. Similar research is being conducted with sheep and beef.

Dairy and Dairy Products

Strange as it may seem, Minnesota farmers are even milking their cows "scientifically" today! Behind this remarkable development is years of

FACULTY FACTS



The Minnesota Junior Chamber of Commerce has named Dr. Robert A. Huseby '43M.D.; '45Ph.D., as the "outstanding young man in Minneapolis for 1948." In cancer research work at the University of Minnesota since 1941, Dr. Huseby in 1948 was awarded the newly created William A. O'Brien assistant professorship in cancer research at the University.

Sculptures and paintings by John Rood, assistant professor of art and artist-in-residence at the University of Minnesota, are featured in the current "Journal of the American Association of University Women." The association is sponsoring an exhibition of Rood's work now touring the country.

A new book by Thomas F. Barnhart, professor of journalism at the University of Minnesota, on "Weekly Newspaper Makeup and Typography" was published March 9 by the University of Minnesota Press. The book is illustrated with actual reproductions of newspaper pages, type specimens and headlines selected to interpret the spirit and character of the small-town press.

painstaking research in the science of milk secretion by W. E. Petersen, professor of dairy husbandry. Petersen discovered that fast milking, proper stimulation, and quiet surroundings will induce "bossy" to give her best to the job of milk production.

It takes more than care and persuasiveness, however, to make the dairy cow produce efficiently. She must have the right food and the right parents. University dairy scientists, under the direction of J. B. Fitch, have done something about this, too. They developed breeding principles that enable the farmer to make a wise choice of parents for his dairy herd. They studied the dietary needs of dairy cattle, young and old, and have discovered what rations give best results.

Other workers have sought new markets for dairy products. Several years ago the University developed a new cheese, called "Minnesota Blue," which opened the way to a new industry in the state. During the war the same dairy division scientists dem-

onstrated or developed better methods of processing dried milk products. This research played an important part in feeding our overseas troops and allied nations during and after the war.

Poultry

Better feeding methods have been the cornerstone of the University's poultry research program under H. J. Sloan. As a result of these studies a large part of Minnesota's poultry industry today is feeding birds with the labor-saving cafeteria or free-choice method.

The poultry division now is in the midst of study of the hybridizing of chickens and developing of new crosses that might lead to "the chicken of tomorrow." Other research projects now in operation include improved turkey breeding and feeding; geese hatchability; and poultry housing. The latter research is being carried on with the University's engineering division.

Agricultural Department

(Continued from Page 179)

resident of a rural community he must play his proper role as an effective citizen.

It is the responsibility of the Department of Agriculture of the University of Minnesota to serve this large and complex industry. Its agricultural experiment station is the laboratory in which research is conducted in its interest. These researches begin with the soil, its origin, properties, and preservation, and carry through to the social structure of the rural community. These researches must cover the extensive geographic range of the state, through the facilities of branch stations located in the major climatic and soil zones of our commonwealth.

All the facilities of modern communication are utilized in bringing these findings to those who are served. Classroom instruction in the four schools of agriculture, and at the college level; extension programs, press, bulletins, and radio are all utilized to this end. Short courses are presented in a great number and variety of fields of specialization. Thus, the Department establishes contacts with thousands of alert and intelligent students and farm operators who are served through its researches, demonstrations, and its extension and resident instruction programs.

Goldstein Sisters to Leave Posts on St. Paul Campus

Probably no one in Minnesota has done more to show Mrs. Average Homemaker how to make an attractive home and stay within her budget than the sisters Harriet and Vetta Goldstein.

"Miss Harriet and Miss Vetta," as they have been known to thousands of students who have taken their courses in related art in the home economics division on the St. Paul campus, will close the door this June on their teaching careers at the University of Minnesota. Miss Harriet will retire as head of the related art section; Miss Vetta will resign as assistant professor of home economics. Miss Harriet has been a campus institution since 1912, Miss Vetta since 1914.

During that time they have taught hundreds of students how art can be applied in definite ways to everyday living. They have spread their gospel still further through their book, "Art in Everyday Life," which shows how art principles can be applied to almost every phase of personal and family living from dress and makeup to room arrangement and table settings.

In recognizing the value of visual aids in the classroom, the Goldsteins can be counted among the pioneers. During vacations they have taken color pictures by the hundreds, then developed them for use as slides in their teaching.

Next fall Miss Harriet and Miss Vetta will move to California and set up housekeeping in Westwood Village, near Los Angeles.

DEGREES TO MORE THAN 900

The University of Minnesota presented degrees to more than 900 students at winter quarter commencement exercises the evening of March 17 in Northrop Auditorium. This is an increase from 559 degrees awarded in March, 1947, and 884, in March, 1948. The principal speaker was Howard Pierce Davis, world affairs analyst. Spring quarter classes will begin March 28.

Several Hundred at Farm School Alumni Banquet

Several hundred persons attended the fifty-eighth annual banquet of the University of Minnesota School of Agriculture, March 14 in Coffman Memorial Union. It was a feature of the school's annual commencement activities. The scheduled speakers were Dr. J. L. Morrill, president of the University; and Dean Clyde H. Bailey of the University Department of Agriculture, with George McS. Briggs as toastmaster. He was graduated from the school in 1909 and from the University College of Agriculture in 1916. Dr. J. O. Christianson, superintendent of the school, was unable to attend. He entered Northwestern Hospital that day for observation of a heart condition.

Seated at special tables as a part of their class reunions were the classes of 1894, 1899, 1904, 1909, 1914, 1919, 1924, 1929, and 1939. The classes had reunion sessions and an evening luncheon March 13, preceding the baccalaureate sermon the same evening. The Alumni Association of the School of Agriculture considered problems relating to the School and to general agriculture at a meeting March 14. Dean Bailey was to present diplomas to approximately 95 School of Agriculture graduates at commencement exercises, March 17.

The School of Agriculture Alumni Association re-elected Victor Christgau as president, named Anthony Langenfeld '49, as a new second vice president and re-elected the remaining officers.

Spilhaus Inventions to Be Used for Ocean Study

By action of the Pacific Science Congress, meeting in February in New Zealand, two inventions by Dr. Athelstan F. Spilhaus, Dean of the University of Minnesota Institute of Technology, will be used in undersea research in the Pacific. They are the bathythermograph for charting temperature levels and pressures, and the sampler, and attachment to the bathythermograph.

"Information which can be obtained by the device is of importance in regard to the world food supply," Dr. Spilhaus said. "It will be possible to determine the eventual food supply from the ocean by studying samples of sea water."

From samples taken by the device at different depths, it is possible to determine how much oxygen the water contains, how much nutrient salts, and other information on the maintenance of undersea plant and animal life. In World War II, the bathythermograph, developed in 1937 for studies in the Gulf Stream, was used to detect the proximity of underwater craft.



J. O. Christianson

The University of Minnesota was chartered by the territorial legislature in 1851, only two years after establishment of the Minnesota territory.

It's a great kindness to trust people with a secret. They feel so important while telling it.

—Wenell News

Modern Greek Course Offered at Minnesota

By John P. Gallos

Difficulty of American relief administrators in far away Greece to communicate with the people of that country, as seen by a visiting Minneapolis dentist, has caused the University of Minnesota to be one of the first in the United States to organize a class in Modern Greek.

The motivating link between problem of the language barrier in Greece and effort at a partial relief on a midwestern campus was Dr. Demetriadis D. Aris, native of Cyprus, naturalized American and the class' first instructor. He holds an advanced degree from the U. of M.

He was challenged to seek development of the course, rather than dismayed, when he learned Modern Greek was taught in America only at Columbia University and the University of California.

"The U. S. is sending 300 million dollars to Greece every year, yet only a handful of the American administrators understand the language and the temperament of the Greek people," was Dr. Aris' description of a disturbing discovery he made in a visit to Greece in 1947.

He was appalled at the language inadequacy of the U. S. relief administrators, many of whom neither spoke nor understood Greek—who had no grasp of Greek background, psychology, or temperament. Many of these men were discouraged at their failure to understand the Greeks, or be understood, and sought the first opportunity to return home.

Realizing that even a rudimentary knowledge of Modern Greek—both speaking and reading—would be the surest way to help pierce the iron curtain of misunderstanding, Dr. Aris immediately began formulating a plan for a Modern Greek course at Minnesota. He received permission of the University's Extension Division to organize an evening weekly class last October. It offers three University credits for successful completion of the six-months' instruction.

Dr. Aris stated the course's objectives as:

"Giving the student a working

Greek Pastry Wins "A" from Class in Greek



No vocabulary needed for this part of the course

Good food tastes good in any language. Dr. Demetriadis Aris, instructor in the University of Minnesota's new course in Modern Greek, offers a honey-drenched Greek pastry to one of his pupils, Macalester coed Jean Eftmiou of Lisbon, N. D. At left is Dwight Whipple, professor of Ancient Greek at Macalester College, St. Paul.

knowledge of conversational Greek.

"Instilling in him an appreciation of the Greek language and the cultural heritage related to it."

The class now has 16 members, is evenly divided between the sexes. There are undergraduates and faculty members in the class from the University of Minnesota, Hamline University and Macalester College, St. Paul; a Minneapolis lawyer, a 15-year old St. Paul high school girl and a 60-year-old former head of a Twin Cities Bible college. One woman member plans to serve as a nurse in a health center in Athens, Greece.

Extra-curricular phase of the course are visits to Greek churches in Minneapolis, attendance at saints' day birthday anniversary celebrations, and after-class social meetings in Greek-American homes and restaurants at which Hellenic food is served. A high school education or the equivalent is the only prerequisite for the course.

A graduate of Geneva College in Pennsylvania, Dr. Aris studied at Oxford University in England and holds advanced degrees from Columbia and Michigan Universities, as well as Minnesota. He recently completed a book, *THRICE A STRANGER*, a semi-humorous description of his adjustment from life in Greece to the United States.

WYOMING

*Ride its hills and canyons.
Fish in its mountain streams.*

The Patons welcome a limited number of guests thruout the year at their ranch home in the Big Horn country. There are attractive cabins by the stream-side, gentle horses and home grown food. It is an ideal spot for a family vacation. Write:

PATON RANCH, Shell, Wyoming

Gopher Cagers Set 30-Year-Record on Games Won



A Great Gopher Cage Team and a Great Coach

Here's the 1948-49 basketball team that did more than all right for Minnesota, and its mentor. Counter-clockwise from the upper left are: Coach Ozzie Cowles, Myer (Whitey) Skoog, forward; Harold G. (Hal) Olson and Gerald Mitchell, guards; Harry (Bud) Grant, forward; James McIntyre, center; and Wallace Salovich, forward.

Sophs Loom in '49 Baseball Prospects

This is a year for sophomores on the 1949 Gopher baseball team, now in the formative stage. After five weeks of indoor preparation in the Field House, no less than 15 sophs have already shown enough ability to clinch membership on the varsity squad.

With the squad scheduled to leave March 19 on the annual spring training tour to Texas, Coach Dick Siebert was to have a maximum of six lettermen in the group.

The sophomores who have won approving looks from Siebert include Glen Gostick, former Minneapolis North high star, and Bob Otness, Mpls. Washburn graduate, catchers; Lloyd Lundeen, Mpls. West; John (Lefty) Garbett and Bill Hollom,

Mpls. Edison; Jean McCarthy, St. Paul Cretin; Wayne Pitman, Robbinsdale; and Gene Engstrand, Mpls. Henry, pitchers; Len Ferm, Mpls. West; and Wayne Robinson, Mpls. North, first base; Pete Guzy, Jr., Mpls. Edison, second base; Bob Grauman, Mpls. Washburn, and Arlen Erickson, St. Paul Central, third base; Dick Lawrence, Bemidji, short stop; and Frank Larson, outfield.

Meyer (Whitey) Skoog of Brainerd, a pitcher, was expected to join this list after completion of the basketball schedule. The only letterman classed as a cinch at his post is Bob Johnson, second baseman from Anoka.

Four lettermen—Jerry Smith, Harry Elliott, Bud Grant, and Duane Baglien—will bulwark the outfield.

The 1948-49 University of Minnesota basketball team achieved a record not topped since that of the undefeated 1918-19 quint.

Though forced to settle for second place in the Western Conference, this season's team completed its schedule with nine wins in 12 league contests and 18 victories in 21 games through the season for an .857 percentage. The best interim record—.833—was compiled by the 1931-32 squad on a 15-3 split.

The record was won in Osborne (Ozzie) Cowles' first year as the Gopher cage coach.

McIntyre Sets Records, Also

The outstanding feature of the season from an individual standpoint was the record-breaking climax to his intercollegiate career of Captain Jim McIntyre, 6 foot, 9 inch center from Minneapolis. "Big Jim" who aims to make his future public appearances from the pulpit, for the most part, wrote into the books the following new scoring highs for a Western Conference athlete:

Most points for 4 years	
(all games)	1,223
Most points for 4 years	
(Conference games)	648
(former record by Wier of Iowa—584 pts.)	
Most points for 3 years	
(Conference games)	580
(former record by Phillip of Illinois—516 pts.)	

McIntyre's average for the 81 games in which he participated during four years of competition is 15.09.

Four Grads Win Degrees

Three graduates of the University of Minnesota recently received advanced degrees at the State University of Iowa, while another received his A.M. at Princeton. At S.U.I.'s mid-year commencement exercises, Merme Bonnell '47, of 715 Fifteenth Ave. S. E., received an M.S. in nutrition; John H. Fossum '46Chem., of Minneapolis, Ph.D. in organic chemistry; and William J. Benjamin '42ChemE, of Iowa City, a Ph.D. in chemical engineering. Wayne R. Gruner '42, of 527 Seventh St. S. E., was awarded his master's degree in physics at Princeton.

The Alumni Clubs . . .

5 ALUMNI CLUBS STARTED

Preliminary organization meetings of alumni clubs in five Minnesota communities, Long Prairie, Alexandria, Morris, Benson and Brainerd, were held in late February and early March. Minnesota alumni clubs are chartered as local units of the Minnesota Alumni Association. Present at each of the organization meetings was Field Secretary Bill Gibson.

Alexandria Elects Officers

At a luncheon meeting in Alexandria on March 7 the following officers were named to head the alumni unit in that city: Dr. D. W. Bongard '42D, president; C. Fred Hanson '26L, vice president, and Clarence J. Hemming, secretary. Arrangements for the organization meeting were made by Rudolph L. Swore '21L. All alumni in Douglas County will be invited to participate in the meetings and other activities of the club in Alexandria.

Morris Alumni Discuss Plans

On the evening of March 7, a group of alumni in Morris met to discuss organization plans with Clayton A. Gay '30L, as chairman, and Mrs. F. H. Richter (Constance Weikert '28-Ed), as secretary. The West Central School of Agriculture of the University of Minnesota is located at Morris.

Benson Club Elects Dr. Sund

At a luncheon meeting in Benson on March 8, the field secretary met with a group of alumni to assist in completing plans for the organization of a Minnesota alumni club in that community. The following officers were elected: Dr. William A. Sund '27D, president; C. G. Mogck '47Gr, superintendent of schools, vice president, and Roy W. Holmquist '47L, secretary.

Arhart Heads Brainerd Committee

Under the leadership of Dr. Lloyd J. Arhart '47D, and Judge D. H. Fullerton '18L, member of the state-wide advisory board committee of the Minnesota Alumni Association, a group of alumni met in Brainerd on March 9 to make preliminary organization plans for an alumni unit in that city. Dr. Arhart was named chairman of the organization committee with Miss Alma K. Bollesen '47HomeEc, as secretary. It is planned to hold a general dinner meeting in Brainerd this spring with a speaker from the University.

Long Prairie Organizes

Long Prairie last month joined the parade of Minnesota communities which are organizing member clubs of the Minnesota Alumni Association. With 150 persons attending a dinner meeting, Dr. Alvin Erickson '35 Md., was elected the first president of the Minnesota Alumni Club of Long Prairie. Logan O. Scow '34L, was named vice president and Dr. Lester K. van Valkenburg '24D, secretary.

Bill Gibson, MAA field representative, outlined University activities and showed movie highlights of Minnesota's 1948 football season. He described activities on the campus. Plans were discussed for the activity program of the Long Prairie club and steps were taken looking toward showing of movies of a 1949 football game at an early fall meeting and obtaining a University faculty speaker for a dinner meeting. Carl Carlson, editor of the Long Prairie Leader and alumnus of Gustavus Adolphus College, St. Peter, Minn. was a guest at the meeting.

Long Prairie is in the alumni club district No. 11, which includes these key communities: Little Falls, Brainerd, Wadena, Aitkin, and Carleton.

Seattle Club Elects Blanchett

The Minnesota Alumni club of Seattle elected Fred J. Blanchett '09, president at a dinner meeting Feb. 28. Dr. William H. Hagen '20D, was named vice president, Danforth E. Apker '42, secretary; and Dr. T. V. Sheehan '05D, treasurer. The program included the showing of Minnesota football pictures from the 1948 season and a discussion of the program of the Greater University Fund by Frank Gilman '21, a past president of the club. The Seattle group has held monthly luncheon meetings but it was decided at the annual business meeting in February that evening sessions are more convenient for the membership.

Gibson Visits Lone Star Clubs

Minnesota alumni in three Texas cities, Houston, Dallas and Fort Worth, held meetings during the first week in March. Present at each of the meetings was Bill Gibson, Field Secretary of the Minnesota Alumni Association.

More than 70 Minnesotans were present at the dinner meeting of the Minnesota Alumni club of Houston at the Houston Club on March 1. Roman F. Arnoldy '33IT, president of the club, presided. Assisting with arrangements were Mrs. John H. Sandberg (Phyllis Berg '35), secretary of the club, and Douglas B. Marshall '42AeroE. The program included a report on campus news and the showing of Minnesota football movies by the field secretary; recordings of special wartime news broadcasts presented by Pat Flaherty, director of news and special events for radio station KPRC in Houston, and a brief talk by "Cap" Hedges, Western Conference football official. Present at the dinner were Professor Thorvald Schantz-Hansen of the Minnesota forestry staff, and Mrs. Schantz-Hansen, who were vacationing in Texas.

Minnesota alumni in Dallas met at a luncheon at the Dallas Club at noon on March 2. The officers of the Minnesota Alumni club of Dallas are Dr. Martin S. Buehler '38Md., president; George L. Dahl '21Arch, vice president; and Dr. Harold T. Nesbit '22-Md., secretary.

Campus news was discussed and Minnesota football pictures were shown at a meeting of the Minnesota Alumni club of Fort Worth on the evening of March 2. Eugene J. Dugan '43IT, president of the club, presided.

Philadelphia Will Have Reunion

The Minnesota Alumni Club of Philadelphia is sponsoring a general reunion and cocktail party for all Minnesota alumni in that city and vicinity on Saturday, May 14. The place will be announced later by the arrangements committee. The mailing list of Minnesota alumni in Philadelphia is now being revised and brought up to date. As a verification check on names and addresses, all Minnesotans in the area are requested to mail their correct addresses to Mr. Wallace A. Anderson, 204 Elm Terrace, Narberth, Pa.

Nominees Chosen for Association Election

Steps were moving forward rapidly this month for the first annual election of directors for the reorganized and revitalized Minnesota Alumni Association.

The nominating committee, named by A. R. Hustad, association president, according to provisions of the new constitution and bylaws, selected its slate of 42 nominees from which association members will elect 21 directors in a mail ballot. The directors, in turn, will name the association officers for the coming year.

The nominating committee was Dr. Alexander E. Brown of the Mayo Clinic, Rochester, Minn.; Elmer E. Engelbert, St. Paul; Francis (Pug) Lund and Dr. Lewis W. Thom, both of Minneapolis, and Charles V. Netz, University of Minnesota.

All paid up members of the Minnesota Alumni Association, life or annual, are entitled to vote in the election of the directors.

Broad Participation Urged

In giving preliminary information on the first annual election, President Hustad stressed the importance of all alumni participating in the election to have their share in determining the association's government for the next three years and to make the election results representative of the largest possible share of the total membership.

The slate of the 42 nominees in ballot form will be published in the April MINNESOTA ALUMNUS, together with pertinent information on each candidate. This will include the University college or school he or she attended, the time of graduation or attendance, degrees received and other information of use to the voters in determining their choices.

Seven directors each will be elected for one, two, and three-year terms to start an overlapping schedule in which all directors will be elected for three years.

In selecting the slate of 42 nominees, the nominating committee, by direction of the constitution, gave "due regard to representation by colleges, sexes, schools, organized alumni units, and geographical areas."

Report Scheduled for June 10

The conduct of the mail ballot through the MINNESOTA ALUMNUS also will be in compliance with a constitutional provision. The ballot will be in such form that it may

be clipped or torn from the magazine and mailed to the association's executive secretary, Edwin L. Haislet, for counting. Information and directions regarding the ballot will be in the April MINNESOTA ALUMNUS.

Following the counting of the ballot, a report on the election results will be submitted by Haislet to the annual banquet meeting of the association June 10 in Coffman Union.

Peik Heads Teacher Education Organization



Dean W. E. Peik

The American Association of Colleges for Teacher Education, meeting in St. Louis, Mo., elected Dr. W. E. Peik, dean of the University of Minnesota College of Education, president. Attended by 400 persons, the convention went on record in favor of tuition and living expense scholarships to help supply an additional million teachers in the next 10 years, and favoring establishment of the association as the one central accrediting agency for institutions preparing teachers.

Reunion Invitations

Committees of classes scheduled to hold reunions on the campus on Alumni Day, Friday, June 10, will soon be issuing special announcements to the members of their class groups relative to reunion program plans. The reunion classes this year are those whose graduation year numerals end in four or nine.

Minnesota classes hold reunions every five years and this June the class of 1944 will be holding its first five-year reunion. By tradition the honored class groups on the Alumni Day program are the twenty-five-year and the fifty-year classes. This coming June the class of 1924 will be marking its twenty-fifth anniversary while it will be a golden anniversary occasion for the members of the class of 1898. Members of the class of 1898 who live in distant states have already indicated their intention of returning to the campus for their class get-together.

Dr. Stephen H. Baxter and District Judge John A. Weeks, both of Minneapolis, have accepted the reunion chairmanships, respectively, for the fiftieth and twenty-fifth anniversary classes, 1899 and 1924. Louis M. Schaller, Minneapolis, heads arrangements for the 1929 class. The classes to have reunions this June are: '99, '04, '09, '14, '19, '24, '29, '34, '39, and '44.

The majority of the five-year classes each year hold reunion luncheons in Coffman Union at noon on Alumni Day. Occasionally a class prefers to hold a reunion reception in Coffman Union in the afternoon preceding the general Alumni Day dinner at six o'clock. Sections of tables are reserved for each of the reunion classes at the dinner.

The members of all classes, whether scheduled for a five-year reunion or not, are invited to visit the campus on Alumni Day and to participate in the general program. The spring commencement exercises will be held on the evening of Saturday, June 11, the day following the alumni reunions.

Around and About with the Alumni

—1913—

Lillian Cohen '00; '13Ph.D., of Minneapolis, is recuperating from an illness which kept her in Northwestern Hospital for nearly three months. Miss Cohen was on the University's chemistry faculty until her retirement a year ago.

—1914—

Sam H. Thompson '14; '38Gr, of Iowa State College at Ames, studied consumer demand for meat at Boston, New York, and Baltimore recently, visiting packer branch houses, wholesale markets, retail establishments and consumers.

—1917—

Al Gerlach '17IT, in a note to the alumni office, said he would be happy to greet alumni and former friends at the Gulf Gas service station, 1654 South Fort Harrison Ave., Clearwater, Fla.

—1923—

Robert J. Handy '23, is president and a director of the Public Employees Mutual Insurance Co., 304 Spring St., Seattle, Wash., which was chartered in February to offer property insurance in the State of Washington.

Arthur A. Barlow '23, president of the Barlow-Maney Laboratories of Cedar Rapids, Iowa, apparently has no difficulty finding activity for a full work-day. A brochure recently published by the Laboratories shows he is also president of the Corn King Co. and the Builders Material Co. For "extra-curricular" activities, he is a trustee of Coe College, Cedar Rapids; and a vice regent of Sigma Nu Fraternity. The Barlow-Maney Laboratories produce pharmaceuticals. His college education interrupted by service in World War I, Barlow completed his required courses for graduation through the University Extension Division. He received his diploma by registered mail while vice president of the First National Bank of Cokato, Minn.

—1924—

As chairman of the North Dakota state school district reorganizing committee, **Saul E. Halpern** '24LLB, Glen Ullin attorney, is a leader in that state's efforts to reorganize its public school districts on a more efficient basis. He was named chairman in 1947 and re-elected last year. Halpern has been a member of the Glen Ullin Board of Education since 1927 and its secretary since 1930.

—1927—

Recently named as manager of the St. Louis branch of Fairbanks, Morse & Co., manufacturers of pumps, scales and farm equipment, was **L. A. Weom** '27IT. He previously had served the company in Minneapolis, South Dakota and at the company's headquarters in Chicago. He was in the Navy in World War II, rising to the rank of commander. On the campus he was a Theta Kappa Nu and belonged to various engineering societies.



L. A. Weom

—1932—

Col. J. M. Harper '32, of the U. S. Air Force Reserve, is commanding officer of the 257th Composite Squadron, Military Air Transport Service, which he organized from former Air Transport Command personnel and other reservists who desired assignment to the Military Air Transport Service in time of emergency. Activated at Denver, Colo., July 1, 1948, it was the first such reserve unit to be established. Its personnel totals 255. During the war, Colonel Harper was adjutant general of the ATC. He now is director of contact and administrative service with the Veterans Administration.

John W. Shaw, '32Ex, heads the John W. Shaw Advertising agency of Chicago, which recently moved to 221 N. LaSalle St. in that city. He opened his

If You Change Your Address, Don't Miss the ALUMNUS

A new procedure by which MINNESOTA ALUMNUS subscribers may insure a prompt change in address when they move and uninterrupted delivery of the magazine, pending the making of the address change in the ALUMNUS office has been announced by John R. Coan, Minneapolis postmaster.

To notify the ALUMNUS office of a change of address, the subscriber should obtain from his mail man or local post office Form 22-S, note on it his old address and new address, and send it forthwith to Gerald Friedell, Membership Secretary, MINNESOTA ALUMNUS, 205 Coffman Union, University of Minnesota, Minneapolis 14, Minnesota. Postage required for the card is only one cent. The notice of change may be made also by letter. The main thing is to be sure to notify the ALUMNUS office PROMPTLY of any change of address.

To have the magazine forwarded to one's new address pending completion of the change in the magazine mailing list, the subscriber may indicate the change to his mail man or local post office on any one of several forms provided, or by letter or post card.

If the new address is in the same city as the old, the magazine will be forwarded postage free. If the change of address is from one city to another, forwarding postage of from one to two cents, depending upon the size of the magazine, will be required.

By indicating he will pay the forwarding charge upon delivery at the new address, the subscriber will assure the immediate forwarding of the magazine until the address change becomes effective at the ALUMNUS office.

Not only will the subscriber benefit himself by following the procedure described above—he will greatly simplify the MINNESOTA ALUMNUS' efforts to provide efficient distribution and will save the Minnesota Alumni Association money which might otherwise be wasted in printing and mailing magazines to an obsolete address and in paying the compulsory postage charge for return of undelivered magazines.

own agency in Minneapolis when only 19 years old, after which he was an executive in Minneapolis and Chicago agencies before he and Norman LeVally opened their own agency in 1943. LeVally resigned in 1947. The firm's billings total about \$1,600,000.

—1933—

Lt. Col. H. F. van Leuven '29; '33, of Albany, Ga., is enrolled in an air installations engineering special staff officer course at the USAF Institute of Technology, Wright - Patterson AF Base, Dayton, Ohio. Colonel van Leuven was graduated from West



Point Military Academy in 1937 and was a P-38 fighter pilot with the Fifteenth Air Force in Africa and Italy in World War II.

Dr. John A. Anderson '29; '33Md.; '40Ph.D., chairman of the Pediatrics department of the University of Utah and assistant professor in the University of Minnesota Medical School from 1937 to 1943, will join the Medical School faculty of Stanford University, Stanford, Calif., September 1. He will succeed Dr. Harold K. Faber, professor and head of the Stanford pediatrics department. Dr. Faber will become professor emeritus. Polio and virus diseases are Dr. Anderson's chief research interest.

Mrs. James R. Morton, Jr. '33, of 2829 Twenty-seventh St. N. W., Washington 8, D. C. (Marjorie E. Fryckberg), has been appointed managing editor of the Journal of the National Cancer Institute, published at Bethesda, Md.

—1934—

Dr. Ray Perschbacher '34D, has moved from Appleton, Wis., to Denver, Colo., where he has opened a new office for the practice of general dentistry in the Medical Center Bldg., 3705 E. Colfax Ave., Denver 6. His residence address is 640 Jasmine St., Denver 7. He would enjoy meeting Minnesota alumni in the Denver vicinity.

—1935—

Gordon O. Norman '35Ed, who has been a manufacturer's agent for the Great Lakes Steel Corp. at Chicago, has been transferred to be the company's district manager at Houston, Texas. His

new address is Garden Oaks Motor Hotel, Apt. 49, 3403 North Shepard Drive, Houston. Norman, who is married and has a daughter, was on the University of Minnesota basketball team and was rated all-conference center in 1935.

—1936—

Donald Mitchell '29; '36, now a civilian employee of the United States Army ordnance department in Paris, recently made a surprise trip to visit his parents, Mr. and Mrs. Dean S. Mitchell, formerly of Bemidji, Minn., and now of Renton, Wash. He had not seen his parents for six years. Mitchell was an army lieutenant colonel during World War II, serving with the First Army when it landed on Omaha Beach, and with the Third Army and Ninth Air Force. He was awarded the purple heart, a bronze star and other citations, one from Belgium. He was married in France.

—1938—

Carl Roger Freberg '38; '40ME, is co-author with Emory N. Kemler of the new second edition of "Elements of Mechanical Vibration," published by John Wiley & Sons. A consulting engineer, Dr. Freberg is at present head of the engineering Division at the Southern Research Institute.

—1939—

Major Robert M. Sheeks '36; '39-ChemE, formerly of Huron, S. D., has become operations and training staff officer of the Operations Division, Alaskan Air Command, AAF, at Fort Richardson. Major Sheeks planned to bring his wife and their 6-year-old son, Robert M. Sheeks, II, to Alaska from their present residence at 2311 Catroville Road, San Antonio, Texas. In participation as a pilot in 56 missions in the Pacific during World War II, Major Sheeks won the Distinguished Flying Cross with one oak leaf cluster, the Air Medal with an oak leaf cluster, and the Philippine Liberation ribbon with one star. He is a member of Alpha Chi Sigma Fraternity.

—1940—

Stafford E. Lott '38; '40E, has been named recreation director of Central Playground in the Los Angeles, Calif., Department of Recreation and Parks. Word of his new assignment was received from him by Edwin H. Haislet, University Director of Alumni Relations, who was Lott's instructor in recreation at the University several years ago.

—1941—

Robert V. Presthus '41MA, is assistant professor in the University of Southern California's School of Public Administration and has served as visiting lecturer in government at Roosevelt College in Chicago. From 1943 to 1945 he was administrative officer of the U. S. Navy Amphibious Training Command in the Pacific.

F. H. Anderson '41IT, is master mechanic in the Edgewater, N. J., plant of the General Chemical Division of Allied Chemical and Dye Corp. He and his wife live at 430 Tenth St., Carlstadt, N. J.

—1942—

Barbara Garlaugh '42BBA, is employed by the Chicago Tribune in the research and presentation division of its advertising department. She has charge of the paper's readership studies and is field supervisor for the survey department.

John A. Bach '40; '42, and Mrs. Bach of Rochester, Minn., are the parents of a son born November 6, 1948.

—1944—

Donald S. Willett '44Ed, and his wife, Helen Dyttert Willett '44, are the parents of a second son, John Richard, born December 18, at Oak Park, Ill. Willett is in the production department of the Quaker Oats Co. in Chicago.

Dr. John D. Ewing '44Md, is now resident in surgery and associate instructor at the University of Arkansas. His wife, the former Virginia Honke '46, is program director at radio station KGH, the ABC station at Little Rock, Ark. She also has the 9:45 A.M. women's program of the Rexair Division, Martin Perry Corp. Their residence address is 902 North Taylor, Little Rock.

Harry Dorman, Corning, N. Y., has announced the engagement of his daughter, Jeanne E. of Niagara Falls, N. Y., to **Harlan K. Hite** '44AeroE, 196 Fifty-second St., Niagara Falls. Miss Dorman is executive secretary of the Niagara Falls Council of Girl Scouts. Hite, son of Mr. and Mrs. A. R. Hite, St. Paul, is an aeronautical engineer for the Bell Aircraft Corp. He served two years with the U. S. Navy in World War II.

A major role in the British motion picture, "The Chiltern Hundreds," has been given to Mrs. John McFie (**Helen**)

(Continued on Page 192)

G. U. F. 1949 Fund Drive Starts April 28; 1948 Unrestricted Gifts Totaled \$20,000

The Greater University Fund is at a transition point this month in planning. All 1948 projects will have been put into operation before the end of March. The April Fund issue of the ALUMNUS will carry a complete report of these projects. They represent over \$20,000 in unrestricted gifts from almost 1,200 alumni and friends of the University toward the first annual Greater University Fund campaign. At the same time projects plans have just been completed for the 1949 campaign to be launched on April 28.

At 6:30 that evening the Greater University Fund will present "A Spring Festival" for alumni, staff and friends. With a turkey dinner on the menu, and dramatic presentation of selected 1949 projects, the evening promises to be a rare treat. A great variety of musical accompaniment is also planned. Because of special table

arrangements the number of tickets available will be less than normal for the ballroom so reservations should be made early. A suitable reservation blank appears in this issue of the ALUMNUS.

The first campaign mailing to almost 40,000 alumni and friends will also be made that day. This will present in detail each of the projects for which support is being solicited this year. Each contributor may make a gift toward a specific project or leave the matter of allocation to the Board of Trustees of the Greater University Fund.

Gifts last year ranged from \$1 to \$1,000. Already gifts are being received for the 1949 campaign. Dr. Christopher Graham of Rochester has repeated his splendid gift of last year, placing him in first place thus far in terms of largest total contributions.

Around and About

(Continued from Page 191)

Marie McPherson '44), now being filmed in London. Mrs. McFie is the wife of a British doctor she met while he was studying at the University. Mrs. McFie, who appeared in undergraduate dramatic productions, earned Phi Beta Kappa honors and was graduated magna cum laude.

—1946—

Mrs. Edward J. Marvich (Gertrude Ridge 46N), is charge nurse in the obstetrical department of Minneapolis' General Hospital. Mr. Marvich is a University of Minnesota forestry student.

Cornelius Gillam '46MA, son of Stanley S. Gillam '12; '13MA, and Mrs. Gillam (Elinor Hudson '18Ex), of 4410 Colfax Ave. S., Minneapolis, is attending the University of Chicago law school. He received his bachelor degree at Carleton College, Northfield, Minn. The Gillam's daughter, Gretchen, a junior in Smith College, Northampton, Mass., is at Reid Hall in Paris, France, for a year's study of French and history, most of her work being at the Sorbonne. A younger daughter, Mary Hale, is a

freshman at Skidmore College, Saratoga Springs, N. Y.

—1947—

Frank M. Monroe '47IT, is an industrial salesman for The Texas Co., in Milwaukee, Wis., living at 3418 So. First Place.

Bert Frederickson '47 is now living at 2932 No. Frederick St., Milwaukee, Wis., where he is an engineer for the Trane Co.

Richard Thansen '47IT, is with The Texas Co. at Milwaukee, Wis. as an industrial salesman. He lives at 206 So. Webster St., Port Washington, Wis.

Herman J. Sittard '47, is "covering the town" as a member of the editorial staff of the Rochester (Minn.) Post-Bulletin. Besides covering the district court, Sittard writes a column, "At This Typewriter," and reviews music, dramatics and movies. He recently married Lillian Ruth Russell of St. Paul. They reside at 702 Fifth St. S. W., Rochester.

Louis Greenwald Ridge '47BBA, is an accountant for Sears Roebuck in Seattle, Wash. He and his family, including a son and daughter, live at 1802 S. W. One Hundred Forty-ninth St., Seattle.

Richard H. Lyon '47, has accepted

Make your reservations now!

On April 28, 1949, the
Greater University Fund
Presents

"A Spring Festival"

Turkey dinner and all

Price: \$1.50 per person

Time: 6:30 P.M.

Place: Coffman Memorial
Ballroom

* * *

Please reserve _____ tickets
for me at the Spring Festival
on April 28.

Name _____

Address _____

City _____

the post of bacteriologist for Sioux City, Iowa, and has charge of the city health laboratory. Lyon reported his wife, Estelle, joined him in Sioux City after he did "some feverish apartment hunting."

—1948—

William Greenwald Ridge '48CE, is
assistant city engineer at Anoka, Minn.

Graduate School Is Given Three G. U. F. Fellowships

Through money allocated by the Greater University Fund, the University of Minnesota Graduate School has established a new program of graduate student fellowships, to become operative next fall. They will be called the Greater University Graduate Fellowships.

Three fellowships will be awarded each year, offering \$1,200 for the academic year, plus tuition, to highly qualified men and women eligible for admission to the Graduate School. They will be given without restriction as to the major field of study, and fellowship holders will be eligible for reappointment for a second year in competition with all applicants.

Dean Theodore C. Blegen of the Graduate School, called the establishment of the fellowships "one of the most encouraging and hopeful forward steps taken in recent years in the promotion of advanced studies at Minnesota."



What happens to your job—if we get atomic energy to drive our machines?

SUPPOSE, in the next year or two, some of the wizards in the atom-splitting business discover how to put atomic power to work in industry.

Would that be good or bad?

If you're a coal miner or an oil field worker, for instance, it may sound like a pretty grim prospect. If all they need to run a train or an auto is a pinch of uranium, they don't need coal or oil. And, obviously, they don't need you.

So what do you do? To save your job, do you buck the development of atomic power?

Well, your common sense tells you that would be silly. What's more, so does American history.

History shows that when we first put the steam engine to work, it threw some people out of a job—temporarily. But it made jobs for many times those people. When the gasoline engine came in, it raised Cain with the blacksmiths. But there are more jobs today in one department of one auto plant than there ever were blacksmith jobs in the whole country.

But that's only part of it. Naturally,

a man can turn out a lot more goods in a day's work with the help of power than he can without it. So, he becomes more valuable and his wages go up—as history shows they have.

Not only that—but over a period of years the goods he makes are produced more cheaply, so prices can go down—as history shows they have. And the result is that all of us can have more goods—more cars, more clothes, more food—by working more efficiently for shorter hours.

That's why it's just common sense to welcome any new source of power, any more efficient way of doing things, any labor-saving machinery or better collective bargaining.

That's always been the free, dynamic American system of doing business. The system still has its faults. We still have sharp ups and downs of prices and jobs. But even as our system stands today, it has brought more benefits to more people than any other system yet devised.

**THE BETTER WE PRODUCE
THE BETTER WE LIVE**

Approved for the **PUBLIC POLICY COMMITTEE** of The Advertising Council by:

EVANS CLARK, Executive Director, Twentieth Century Fund.

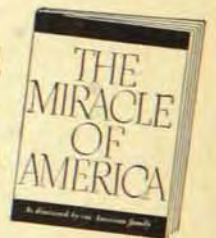
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 - Why Americans enjoy the world's highest standard of living
 - Why we take progress for granted
 - How mass production began
 - How we have been able to raise wages and shorten working hours
 - Why more Americans have jobs than ever before
 - Why the mainspring of our system is productivity
 - How a still better living can be had for all

MAIL THE COUPON to Public Policy Committee, The Advertising Council, Inc., 25 West 45th Street, New York 19, N. Y.

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Obituaries

Roman A. Bohnen, Actor, Dies During Performance

The final curtain descended for Roman Aloys Bohnen '23Ex, February 24 on the stage of the Actor's Laboratory Theater in Hollywood, Calif. A professional actor in the theater, movies and radio since his University days, Bohnen collapsed and died shortly after the curtain went down on the second act of the play, "Distant Isle," in which he was appearing.

He was chairman of the experimental dramatic group which operated the Actor's Laboratory. Forty-seven years old, he had been treated recently for a heart ailment.

Minnesota staff members and alumni of his University period will remember Bohnen for his campus performances as Hobson in "Hobson's Choice" and as Long John Silver, the peg-legged sailor in "Treasure Island." After stock experience in St. Paul, his boyhood home, and Chicago, he was in "As Husbands Go," "Golden Boy" and other plays in New York City and on the road. He went to Hollywood in 1937, where he was Jennifer Jones' peasant father in "Song of Bernadette" and played in such other movies as "Of Mice and Men," "A Bell for Adano," "Joan of Arc," "The Best Years of Our Lives," and "Arch of Triumph." A widower, he is survived by a daughter, Marina, 12.

As a part of the second act dialogue, Art Smith, another member of the cast, had said to Bohnen, "You'll probably be dead in two hours."

—1888—

A note from Albert Graber '88, 2405 Sheridan Ave. S., Minneapolis, informed us of the death of his classmate, John L. Torrens, at Salem, Ore. Mr. Torrens was connected with the Salem schools for many years previous to his retirement. Mr. Graber wrote that Mr. Torrens' passing leaves only seven survivors, four men and three women, of the class of 38 persons who received bachelor degrees from the University in the class of 1888.

—1906—

William A. Rose '06EM, former chief mining engineer and assistant general manager of the Duluth office of Pickands, Mather, Co., and later the firm's manager of mines died January 30 in Santa Monica, Calif. He was a member of Delta Tau Delta and Theta Tau fraternities. He lived at 454 Fourteenth St., Santa Monica.

—1908—

James Stephen Mikesh '08, who until last June was chairman of the mathematics department of The Lawrenceville School, Lawrenceville, N. J., died January 29 in Trenton, N. J., after a brief illness. Burial was at Spillville, Iowa. After teaching at the Universities of Colorado, Harvard, and Minnesota, he was the first director of the Hibbing, Minn., Junior College. He was an Army officer in World War I, on the Yale University faculty and went to Lawrenceville in 1925. He wrote in the mathematics and penmanship fields.

—1918—

George Girrbach '18Ag, a Michigan state senator and manager of the Soo Creamery, Sault Ste. Marie, died in Flint, Mich., from injuries received in an auto accident.

—1922—

Mrs. Allen Hemingway (Gayle Gwendolyn Shirley '22), of Minneapolis, died February 4.

—1932—

Julia Uggan '32E, died February 1. Interment was at the Fox Lake Lutheran cemetery near Faribault, Minn. Miss Uggan, who was graduated with distinction, was the teacher training instructor at Wheaton, Minn., from 1941 to 1948, when she resigned because of ill health.

WEDDING BELLS

—1935—

Dr. Julius H. Winer '35Md., on February 6 took as his bride Naomi Sari Borowsky, daughter of Mr. and Mrs. Samuel J. Borowsky of New York City. The wedding was in Beverly Hills, Calif. Dr. and Mrs. Winer have established their home at 421 North Doheny Drive, Beverly Hills. Dr. Winer practices urology at 416 North Bedford Drive, Beverly Hills.

—1946—

Joyce Wellmerling '46Ed, was married last summer to Dr. Louis Fidel '47D. They reside in New Jersey, where Dr. Fidel is with the Veterans' Administration. Mrs. Fidel is teaching art in the Irvington, N. J., schools.

'U' Grad Succeeds Orr In Minn. State Senate

Elmer L. Andersen '31BusAd, of St. Paul, who never previously had sought political office, won the special election this winter to name a successor to the late Charles N. Orr, state senator from the forty-second district, who died suddenly early in the 1949 session. Andersen is serving on six committees, including the University and public welfare committees.

Orphaned at the age of 15 years, the senator got his education the hard way—by working for it, including his junior and senior years at Minnesota. He is a member of Alpha Kappa Psi.

Between 1934 and 1941 he rose from a job in the advertising department of the H. B. Fuller Co., industrial adhesives manufacturer, to the firm's presidency, the post he now occupies. He is president of the St. Paul Rotary Club and of the Gavel Club, organization of presidents of St. Paul Service clubs. He is a director of Family Service, a St. Paul Community Chest agency, active in the Lutheran Welfare Society of Minnesota and a Boy Scout scoutmaster.

Mrs. Andersen is the former Eleanore Johnson '37. They have three children.

Another Ramsey county member of the 1949 state legislature is Leonard A. Johnson, an arts senior who is in the house and who is on the University appropriations and four other committees. Johnson is continuing with his University classes at the same time he is trying to learn all he can about the operation of the house through participation in house and committee sessions.

ON THE CAMPUS

Increasing public concern for the proper care of the aged was reflected in the holding of a three-day course in the care of the aged in institutional homes at the University's Center for Continuation Study, March 7-9. The state health department cooperated. Health, recreation, and social needs of the residents, were considered, as well as administrative problems.

The University business student of the future who starts every letter with the "Yours of the tenth inst. received and in reply would state" is going to be a dead duck. The School of Business Administration, with the cooperation of the English Department, this quarter is conducting in experimental section on its new course, Composition 58s, which covers business reports and letters. Problems in style, forms, and methods of business writing will be covered.

The oldest building on the University of Minnesota campus is Eddy Hall, built in 1886, which now houses the University radio station, testing bureau and dean of students offices.

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Modern Machines Made It a Land of Plenty!

PIONEERS came with their axes, guns and hoes, their wooden plows, iron plows, steel plows, oxen and horses; and through hard work, unimaginable hardship and drudgery carved for themselves homes and farms from a rugged, new land. Their farming tools were in many respects quite the same as those used in Biblical times and not much better. But unlike the people of older times, men in this land had equality, opportunity, aggressive ingenuity, freedom from oppressive restrictions . . . time and opportunity to think and plan. And men prospered . . . invented machines to help do their tasks faster and better. The last 100 years was a period of sudden, swift progress . . . real progress . . . and it parallels the history of the farm machinery industry. More progress was made in the last fifty years than in all the ages before.

That progress continues under the American system of free enterprise and capitalism. Men who plan beyond tomorrow know that modern methods of agriculture will assure posterity of fertile, productive soil. That is why more and more progressive farmers demand MM MODERN TRACTORS, MACHINES, and POWER UNITS. They know that the MM trademark is the recognized symbol of highest quality since 1865. Today MM modern machines of proved dependability and economy . . . machines built to do the work with comfort, convenience, and safety enable the farmers of America to supply the world with food, fiber, and oils.

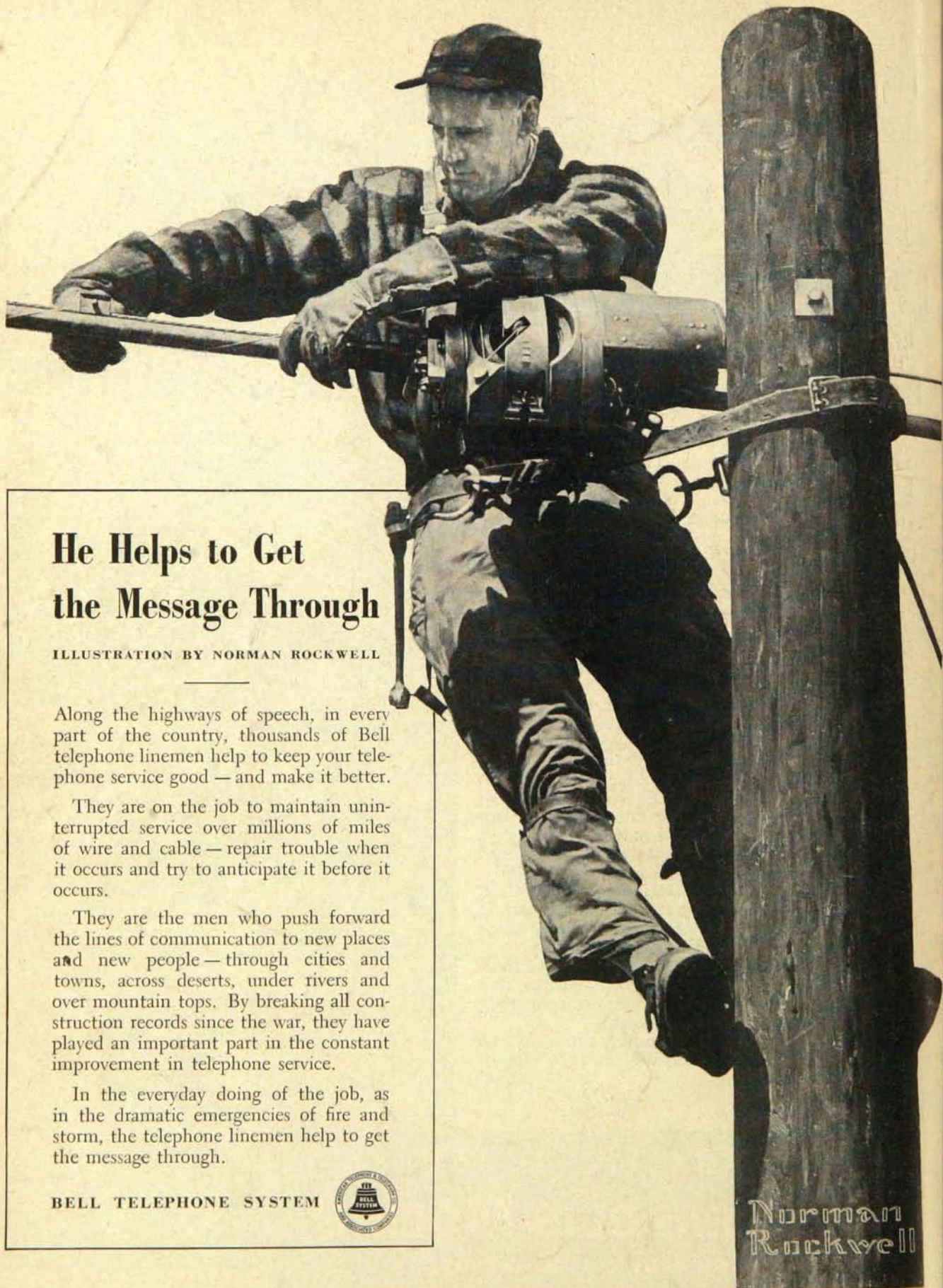
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