

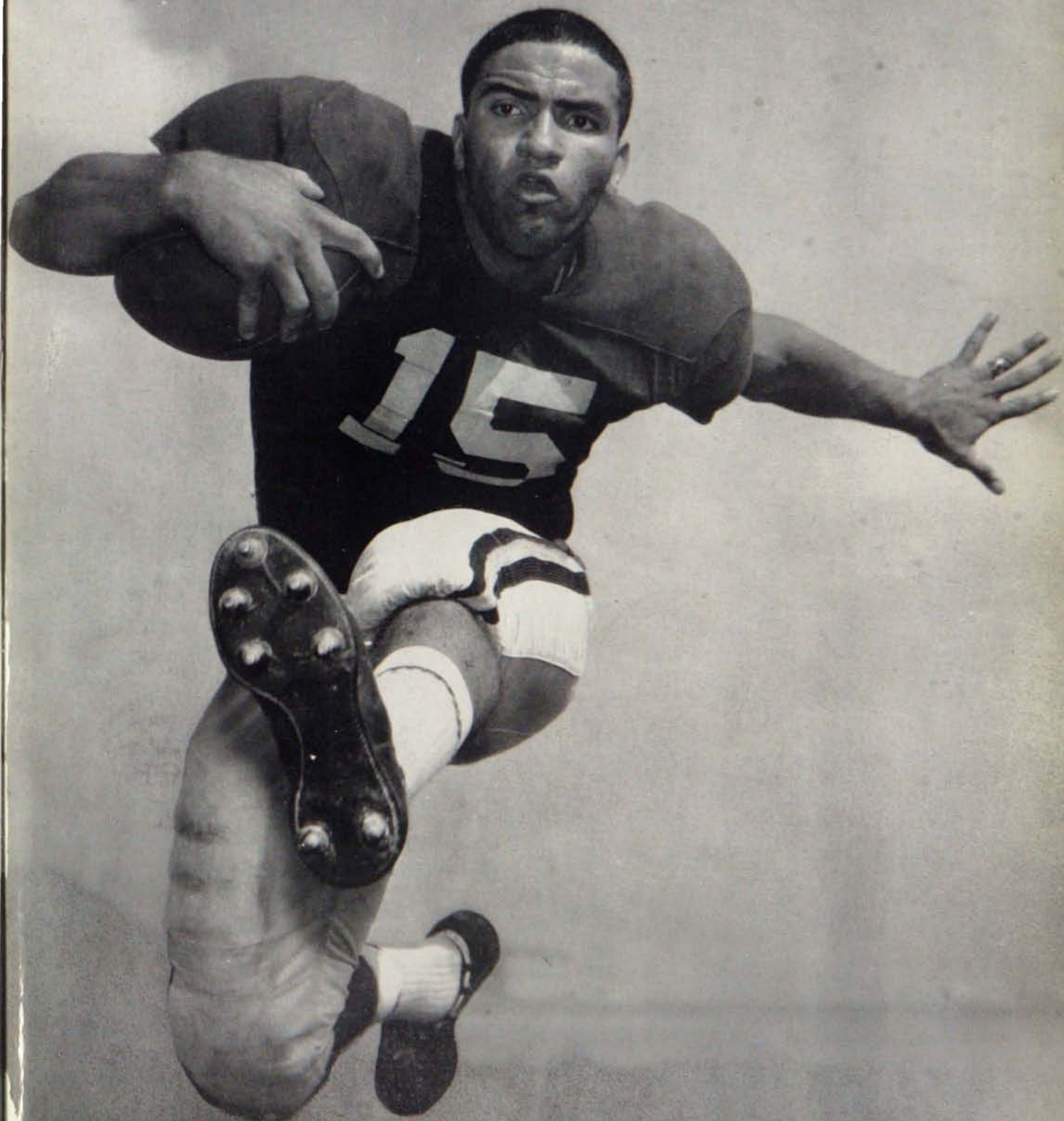
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THE UNIVERSITY OF MINNESOTA

ALUMNI NEWS

DECEMBER
1961

1961 GOPHER
FOOTBALL

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Continuing the Minnesota Alumni Weekly which was established in 1901, the Minnesota Alumni Voice and the Gopher Grad. Published monthly from October through June by the Minnesota Alumni Association, 205 Coffman Union, University of Minnesota, Minneapolis. Member of the American Alumni Council.

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COVER STORY

Sandy Stephens, University senior, Gopher quarterback, has led his team to a season rivaling the best in Minnesota's history of athletics. Disappointment and upset marred the record, but nothing marred the enthusiasm of the fans toward this team, nor the spirit of the players themselves. In individual achievement, Stephens also led his club with rushing and passing that few preseason speculators expected, but that all applauded.

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Back Talk — Commendation

Mr. Haislet:

I wish to commend you for the very fine article in the November, 1961, issue of *Alumni News* entitled "Memo". This very brief history of the University of Minnesota and its founding and development over the years is of outstanding importance to the citizens of the state. Not only should former graduates and students of the University be proud of the achievements of the University as set forth in this article, but every citizen of the state should likewise be proud of our University.

One quote seems particularly significant as follows: "Sixteen colleges and universities of this country produce one-fourth of the nation's college teachers in liberal arts education; eleven are state universities and land grant colleges. (Minnesota is one of the sixteen.)" Minnesota should be justly proud being one of sixteen land grant colleges responsible for one-fourth of the nation's college teachers out of a total of 2,000 colleges and universities in the United States.

It is unfortunate that this could not be published in every newspaper in the state. Congratulations for your very fine article.

Vincent K. Bailey
St. Paul

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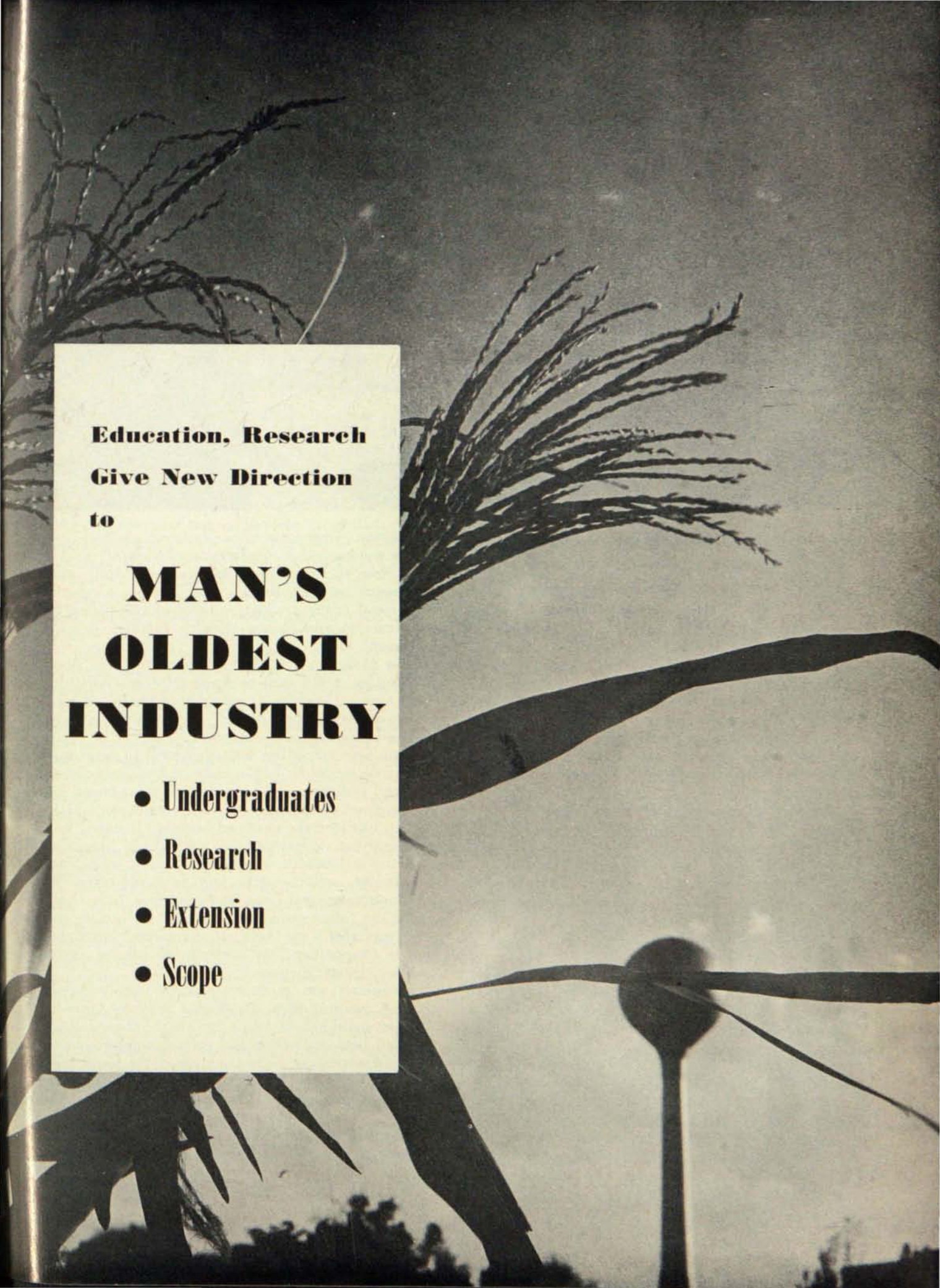
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ALUMNI NEWS



**Education, Research
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to**

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Keith McFarland

Director of Resident Instruction

Asst. Dean, Institute of Agriculture

The New Undergraduate

"I love to hunt and fish, and enjoy the great outdoors," said the high school senior to his counselor, "I'm going to enter Forestry on the St. Paul Campus of the University."

"That's just fine!" replied his counselor, more familiar than some with the curriculum in the School of Forestry. "But be sure that at the same time you can handle inorganic and organic chemistry, biology, mathematics, physics, economics, and the professional subject matter that contributes to preparation of a professional forester. Forestry is a field open to students with a wide variety of interests, but the path to the B.S. degree is demanding, and the beginning student shouldn't have any misconception as to what he will encounter along the way."

Members of our faculty are concerned with the outdated images many people have of agriculture and forestry. These often lead them to a false picture of our undergraduate program and of the work our graduates enter after graduation.

In the late 19th century agricultural college courses were oriented toward giving students the basic skills and practices of farming. Such curriculums had highly vocational overtones. But today, university curriculums in agriculture are demanding, varied, highly professionalized courses of study that prepare students to cope with the problems of an industry that, in one way or another, touches 40 per cent of our employed

population. Once our undergraduate teaching programs emphasized on-the-farm or in-the-forest production. Now they encompass all phases of production, processing, and distribution. One in every six graduates move to the graduate schools of our nation for additional preparation for research, teaching, or management.

The College of Agriculture, Forestry, and Home Economics, today attracts nearly 2,000 students from both city and country. It places its graduates in management, production, research, government service, or the various echelons of education.

Sixty per cent of our 1961 graduates in agriculture who took full-time employment entered private industry — including farming and farm management. The rest entered some phase of public employment. Major outlets included the food and beverage industry, farm management, industrial and agricultural chemicals, banking and finance, cereals, grains, and seeds, farm equipment, and the dairy and meat industries. Job descriptions ranged from "sales engineer, food equipment," to "plant production trainee," to "quality control specialist," to "field representative, Production Credit Corporation," to "fieldman for canning company," to "elevator manager".

In forestry, too, graduates found a wide variety of careers awaiting them. Graduates from the forest resources management curriculum were about equally divided between public and private employment. In contrast 95 percent of the graduates in the forest products engineering and building materials merchandising and construction curriculums went into private industry.

But general titles give an inadequate picture of the variety of jobs that forestry graduates take. For ex-

ample, those in forest resources management become consulting foresters, district rangers, industrial foresters, and research foresters. Forest products engineers hold such titles as wood technologists, research scientists, and production control engineers. In the building materials, merchandising and construction fields are lumber yard managers, technical representatives, and sales representatives.

How do these students prepare for this array of employment opportunities? The increasing variety of function within agricultural industry has influenced curriculum development on the campus.

Students no longer take "forestry", they major in "Forest Resources Management" or "Building-Materials Merchandising and Construction" or in "Forest Products Engineering."

Students of agriculture may enter the Agricultural Business curriculum (offered jointly with the School of Business Administration), or Agricultural Education (offered jointly with the College of Education). Other opportunities may lie in Agricultural Science, Dairy Industries, Fishery and Wildlife Management, Landscaping, or Pre-Veterinary Medicine. Students may decide to prepare for graduate study in the Science Specialization curriculum. The most recently developed curriculum, the Technical Certificate Program in Agriculture, provides preparation for farming for those not seeking a degree.

Agricultural engineers register in the Institute of Technology, while prospective agricultural journalists follow the S.L.A. curriculum of that title.

Industry is seeking graduates with potential for growth, flexibility, imagination, and drive. A high degree of undergraduate specialization appears less helpful than a good general education coupled with a thorough grounding in the fundamental disciplines of the area in question. The College Curriculum Committee has strengthened the programs in basic sciences and mathematics, added to the all-college requirements in the social sciences and humanities, and watched with satisfaction the development of teaching in communications. Students seeking a high degree of specialization look to the graduate schools for such experience.

Students from every county of Minnesota come to the St. Paul Campus. Non-resident students total about five percent of the undergraduate population. This year fall quarter enrollment totaled 833 students in agriculture and the 318 in forestry are joined by 673 attractive and highly able students in Home Economics.

Enrollment in agriculture is still predominately rural (some 70 percent), yet urban students with interests in the biological and physical sciences can richly apply these interests in professional agriculture.

Urban Minnesota provides the majority of students in forestry. Only one in five of these students come from rural homes.

Thus the student body is a pleasant mixture of metropolitan and rural influences. Two-thirds of the

students in agriculture stem from high school graduating classes of less than 100 members; one-third of the foresters and 40 percent of those in home economics come from the smaller high schools.

Visitors to the St. Paul campus are struck by the quiet and friendliness that pervades. The St. Paul campus students exalt the "small college atmosphere within the large university." The teaching staff in general follow an open door policy that permits frequent and easy contact between instructor or adviser and student. And the smaller enrollment leads to a more general acquaintanceship between students, and a genuine camaraderie.

The St. Paul Campus Student Center, opened in April 1958, is the center of student activities and, in combination with the new dining center and modern Bailey Hall dormitory, adds to the beauty and the richness of the campus environment.

In summary: The undergraduate programs in agriculture and forestry are in transition. The curriculums have been strengthened to meet present day demands. The fullest public realization of the richness of opportunity for the competent student with interests in biology or the physical or social sciences will, we trust, come quickly.

As the need for rural population declines, more and more rural young men will have to leave the farm. Many of these will find increased returns, both economic and psychological, in professional preparation for agriculturally related occupations.

At the same time, more and more students in urban areas may come to realize that the food they eat, the house they live in, the clothes they wear, the landscape materials they purchase, the hunting, fishing, and vacationing they enjoy—all are rooted in agricultural science and are a part of the industry of agriculture and forestry, and that curriculums in agriculture and forestry can accommodate, and challenge, the finest student.

→ →



Forestry students scientifically test qualities of wood.
On page 6, a class in plant pathology

Herbert J. Sloan
Director and Professor
Agricultural Experiment Station

Research, Grad Study

The bright headlights of tractors work up and down rows of canning peas during the dark night and early morning hours on hundreds of Minnesota farms. The operation—spraying for the control of weeds.

But why at night? A graduate student in the Department of Horticulture, working with his advisor, had discovered that spraying at night and early morning with MCPA controlled the broadleaved weeds but didn't harm the peas. The same spraying during the day would kill both peas and weeds. The explanation is a technical one closely related to the sugar content of plants and its relationship to light.

Another graduate student, hired to work on a specific project relating to iron chlorosis in flax, has come up with a valuable suggestion that may save thousands of dollars for farmers in the Red River Valley once research is completed. We knew that spraying fields with chelate would control iron chlorosis in flax. But the procedure was much too expensive for the farmer. The student, working under the direction of a scientist, discovered that coating flax seed with chelate would control the problem. Now details remain to be worked out.

Bacterial leaf spot of strawberries has long been a major headache for strawberry growers. Another graduate student, working part time to finance his graduate education, has discovered the causal organism. Thus an important first step has been taken in the control of bacterial leaf spot.

Another graduate student in chemical engineering, working with the Dairy Industries Department, helped work out the principle of air flow in milk driers. The result—a real advancement in an important outlet for agricultural products.

Working alone, these students probably wouldn't have come close to these important discoveries. Under the supervision of trained scientists and teachers they contributed to their own livelihood while gaining benefits for the entire state.

Thus this combination of research and graduate training in the Institute of Agriculture works to the advantage of the student who finds employment and training in his specialization; the researcher-professor who can delegate less important but still meaningful tasks to competent students; and to the people of the State who get more for their research dollars.

What is the typical graduate training in the American tradition of higher education? In some ways it is a continuation of the student's undergraduate experience. The similarity lies principally in the formal classroom teaching process but on an increasingly higher

academic level. While he is an undergraduate, the student is largely acquiring facts, ideas, and concepts presented in an organized manner in the classroom. While good teachers try to stimulate creative thinking in students, this is often more difficult with undergraduates for many reasons. For example, the instructor may not be able to get as much individual student participation as he'd like because of lack of time in classes or, in some cases, the size of classes.

One of the distinct qualities of graduate training, on the other hand, is that the student can manifest his own ability to conceive ideas, work independently, and demonstrate initiative. Perhaps one could say this is the beginning of the student's informal training. It is now that advisors and professors can begin to distinguish between those who are just able to learn and those who are able to think. Successful research requires the ability to think. Here is where the student begins to put to work the facts and concepts he learned earlier.

Again in the American tradition, particularly in the Land-Grant Colleges and Universities, graduate students pursue their advanced studies in a climate of active research. The University of Minnesota Agricultural Experiment Station (and others, too) provides over 250 research assistantships. The Experiment Station gets the help of students of superior ability. These students are motivated by an interest in the particular area of graduate study and by a desire to learn firsthand by doing the intricacies of experimental design and pursuit.

The student could, of course, with the aid of an advisor, select a problem quite unrelated to the project for which he was employed. But to help the graduate student more we try to place him in part-time work that gives him certain responsibilities in connection with an already going specific research program. This phase then constitutes the basis for his own research activities and program commonly leading to a M.S. or Ph.D. thesis.

We don't consider this type of pay a fellowship or scholarship in the ordinary sense because it includes specific responsibilities to the project and the department. There was a time when graduate students had to pursue their programs entirely on their own. Gradually this practice has changed. We now use part of our funds to employ assistants to help do our research. At the same time, more and more students are seeking graduate training. Thus our system of employing graduate students provides the Experiment Station with needed help and gives the graduate student the opportunity to get advanced training.

At our Land-Grant College meetings in November, we agreed that one of the principle strengths of our post-graduate education in the American system is the close association between student's training and his direct research experience.

In most foreign colleges, on the other hand, the research and teaching activities are quite separate. In America we feel that actually more total research is

accomplished under our system and that the training is superior. The reason is partly because students are learning while doing research and working with experienced research supervisors and teachers. In the United States we do have instances where young men learn research in private or even in publicly supported laboratories not associated with teaching units of a university. While such people do gain experience, they do not usually get the graduate training and thus the advanced degrees. This has been a strong argument against such isolated laboratories particularly since we are so short of young men with advanced training.

Most people responsible for research programs also feel that the supervision is superior when it is over students who are working intimately in the area of primary interest to the research advisor. In fact, many graduate students whose principle responsibility is teaching also have the opportunity to work on their own research programs under the supervision of interested researchers.

Another advantage of our present system stems from the need for improving the quality of our research by expanding this research toward the more basic areas. Actually very few graduate students now receive their advanced degrees on the basis of applied research. In most instances graduate student problems are conducted in the basic areas of the natural or social sciences. In this way, they increase the depth of the research on the project. For example, in livestock breeding a graduate student probably will not be given advanced training only in practical livestock management or breeding. His graduate training will, in fact, be in fundamental genetics, statistics, physiology, perhaps biochemistry, mathematics, or other related basic sciences. The nutritionist likewise, will not be content to simply formulate rations and study their effect on animals or humans but will have to become conversant with the basic principles of chemistry, physiology, mathematics, statistics, endocrinology, histology, an-

atomy, and related basic sciences. This is consistent with the trend toward better basic training for our scientists. This, in turn, reflects itself in better research in the areas in which they are working.

This system has not always been viewed with favor. The argument has been made that the country would do better to provide the additional funds required to permit the student to complete his work in perhaps three rather than five to seven years in the graduate school. Thus, some argue, the student would become productive professionally much sooner.

While this might be true, there are some reasons which might make this difficult. One reason is that certain types of researches do require time to accomplish e.g. certain genetic studies cannot be speeded up. Another is that many graduate students are now married and must have supplemental fund to go to school. Often such students, with their motivations and responsibilities, are better graduate students.

From the point of view of the Experiment Station, we would probably get much less research done if we couldn't employ graduate assistants. Often, for example, two half-time students might be more totally productive than one full-time scientist. One reason is that time of employment might be limited under Civil Service, and another might be that the graduate student might have more motivation and interest.

There are other advantages to the students of the system of employing graduate students on a long-time basis. They include the following: a longer association with departmental personnel and fellow scientists; the opportunity for the association with a wider variety of disciplines in the university atmosphere; more direct opportunities to use library facilities; and direct work experience.

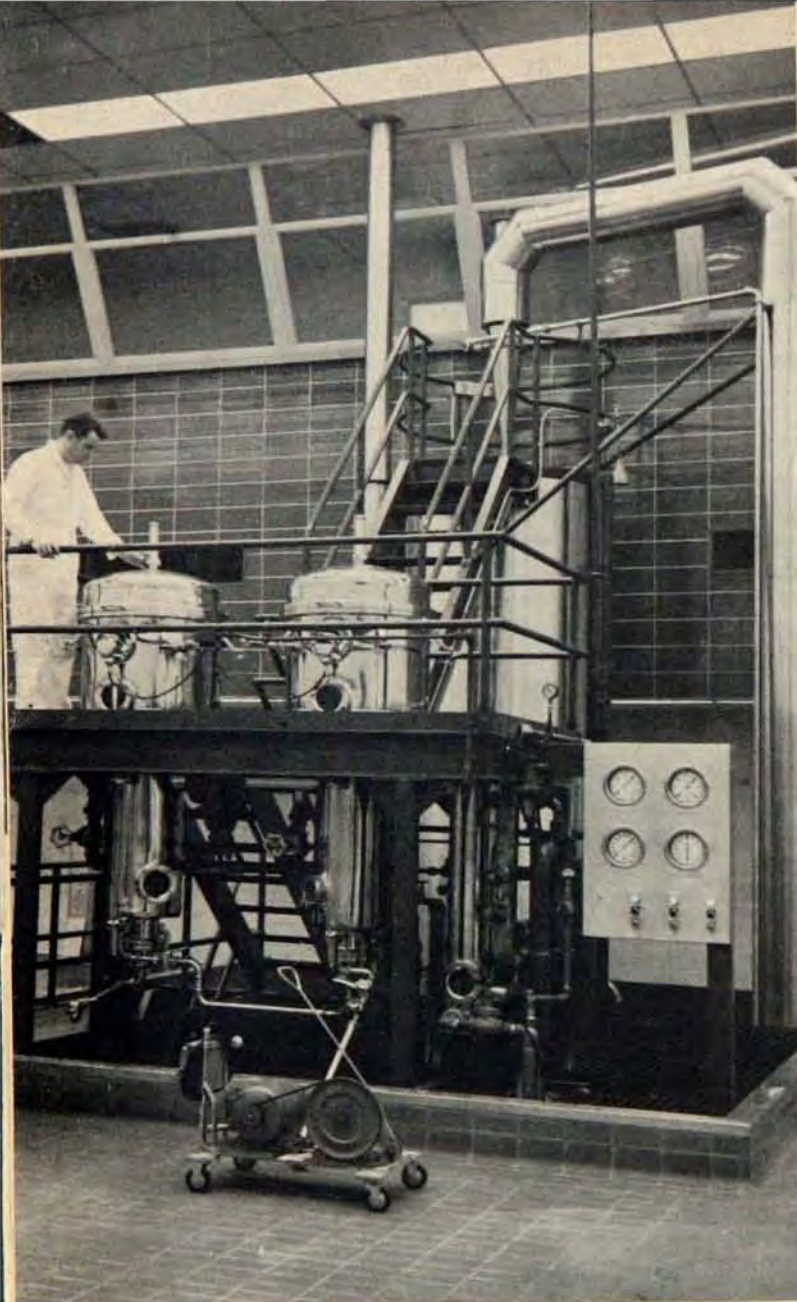
Thus, in summary, we feel that research and teaching go hand in hand in our Institute of Agriculture and that the student, the teacher, the researcher, and the people of the State all benefit from this arrangement.

Faculty research in forestry.



Graduate research under supervision.





Milk Dryer developed by University researchers.
(See page 12)

H. B. Swanson
Professor, Editor of
Information Service

Extending Knowledge

When a Minnesota farmer made weekly 400 mile round trips to the University's St. Paul Campus, he showed an exceptional thirst for knowledge. But his efforts during three long winter months weren't unusual, for he was only one of 25 farmers from all corners of the state attending an intensive series of day-long seminars on farm policy. These seminars were sponsored jointly by the University's Agricultural Extension and General Extension Division.

The faculty for this particular series included such well-known people as President Kennedy's economic adviser, and former University faculty member, Walter Heller; Arthur Naftalin, then commissioner of administration and now mayor of Minneapolis; O. B. Jesness, professor-emeritus and former member of the board of the Federal Reserve Bank.

But exceptional as it was, this series provided only one opportunity among many afforded by the Institute of Agriculture for people who wish to continue education.

There are well over 100,000 people involved in the extension of education provided by this land grant University.

A new term, "change agent," has arisen today. It refers to those few who lead society into transition. In agriculture and related industry "change agents" may well be representatives of our landgrant colleges. Stimulating new ideas are county agents, leaders in industry, local businessmen, farm organization officers, leading farmers, clergy and teachers. Supplying educational opportunities and leadership training for these very people is one task of the University.

Rural life is changing. The audiences, the clientele of the Institute of Agriculture is broadening as more people are affected by the new ways in agriculture and forestry and by rapid developments in the field of home economics.

This new image of scientific agriculture and its related industries is a factor to which programs of the University must adapt. Adaptations to change are especially important in adult education and off-campus youth training.

These are the factors which have the broadest and most important influence on the program of education for non-collegiate adults and youths.

Agriculture Continues to Grow. True, the ratio of farmers to the rest of the population is falling steadily. But production agricultural efficiency is increasing 6 percent a year compared to 3 percent for the rest of industry. Fortunately for our nation, the American farmer can produce enough food and fiber to feed and clothe 25 other people. In the U.S.S.R. the farmer feeds and clothes only five others. This means that in the U.S. a large percentage of the total population is released from farming to produce other goods that contribute to the high American standard of living.

Size of Individual Business Grows. Along with the increased productive ability of agrarians, there has been an increase both in acres and capital investment in the size of farm units. With this growth, largely through consolidation, the number of farms has declined. However, the total farm population has fallen little in the last decade.

Interdependence Increases Between Agriculture, Business. Today in Minnesota, 30 percent of our income and 40 percent of our work force come from the field called "agribusiness." Included in this category are those who supply farmers, farmers themselves, manufacturers, wholesalers, and retailers handling farm prod-

ucts; and those in government, transportation and other industries that serve agriculture.

Awareness of Community and Citizenship Responsibilities Grows. Today rural Minnesotans are increasingly aware of the relationships between urban and rural communities and their effect on government, taxation, zoning farm policy and social trends. These terms have become commonplace in conversation, and those using them look to the University among other educational institutions for further education concerning them.

Scientific Nature of Agriculture Increases. All reports point to the complexity and breadth that agricultural research, knowledge and service has assumed in our times.

The importance of off-campus or in formal education, then is obvious. The mechanics of it however, can be almost as complex as the significance. Still, the University has established a strong, continuing, everyday program of extension education, and has placed its roots in several different foundations within the Institute of Agriculture.

Departments (agricultural economics, agronomy, soils, dairy, etc.) are involved in providing consultation for many ventures into education beyond the classroom. Branch schools and experiment stations are similarly involved as valuable resources for industry as well as the individual. The largest part of the program is, however, centered in the Agricultural Extension Service and Agricultural Short Course Office.

The Office of Agricultural Short Courses, which won statewide reknown under the leadership of the late J. O. Christianson, serves more than 12,000 individuals each year and offers 50 or more short courses and conferences. Programs range from lengths of a few days to a few weeks. Groups of people in attendance vary in numbers from a dozen to four thousand (normal attendance at the Famous Farm and Home Week held each January.).

Research—Forestry researchers study Minnesota's "Weed Toll."



The Agricultural Extension Service, under the leadership of professor Skuli Rutford, director, is officially responsible for most of the off-campus educational work. There are three general aspects of this work—agriculture and related industries; home economics; and youth, especially 4-H.

The county is the focal point of the Agricultural Extension Service. Today every Minnesota county has an agricultural agent and a majority have home economics agents. Others have such special agents as soils, forestry, 4-H, rural development, etc.

All agents are joint employees of the county, the U.S. Department of Agriculture, and the University. As University faculty members, county agents have academic rank on the staff.

Helping the agent is a staff of extension specialists and administrative officers plus the resources of the teaching and research staff on the St. Paul Campus.

Of all the educational trusts given the Agricultural Extension Service, however, none is greater than its work guiding youth through 4-H club work. Each of the 53,000 Minnesota club members carries at least one project each year plus additional activities of radio speaking, conservation, safety, career exploration. In 4-H club work members and their parents, who often serve as local leaders, now are seriously considering such topics as marketing, careers, world affairs, and many other subjects that reflect the changing nature of the modern world—whether it be farm, town, or city.

All members of the Institute of Agriculture are seriously concerned with the changing nature of agriculture and related industries today. Only recently many of them have participated in an 8-day seminar themselves to better understand the nature of change in the state . . . the nature of agriculture today. From these seminars they will continue to improve their educational programs both on and off the campus to more nearly meet the changes rural Minnesota must make today. → →

Extension—County Agent, standing, conducts an off-campus seminar.



H. R. Stoehr

Assistant Extension Specialist

The Scope of Study

Skills of a competent journeyman farmer are no longer enough. Science, as pointed out in the foregoing articles, is the dominant force in American agriculture and related industries.

But above developing new techniques and building foundations of basic science providing and even providing new basic scientific foundations by research, this land grant University is involved in putting theory into action.

The Expanding scope of the entire industry of agriculture is illustrated by the following examples of agricultural science in action under University influence.

CAIRO, EGYPT — Some 3 million Egyptian school children will receive health-giving milk in their school lunch programs this very week. The milk will be packaged in Egyptian plants built specifically to reconstitute dried milk from the United States. The milk processing involved, can be attributed in part to dairy researches at the University of Minnesota.

Dried milk studies began at Minnesota more than two decades ago at the request of the U.S. Army. One product of the research was a design for a spray drier. The University now holds several patents for equipment and processes developed under the leadership of S. T. Coulter, head of the department of dairy industries. One product of the research was a spray design; commercial dryers licensed under University patent are now extensively used by industry. In fact many University findings on the processing and packaging of dried milk products as well as the chemistry of the products' keeping qualities, have become University guides.

ST. PAUL — Is there some connection between a disease which destroys the usefulness of thousands of dogs, and arthritis — an affliction which destroys the health and usefulness of man?

A College of Veterinary Medicine research project dealing with congenital hip dysplasia, a hereditary disease especially prominent in German Shepherd dogs, which causes abnormal development of the hip joint, may provide the answer. Employing genetic, radiologic and histologic methods, a study directed by Dr. Francis A. Spurrell may point to analogies between abnormal hips in a dog and hip disturbances in the human. The possibility of aiding researchers of human disease by studying analogous animal diseases is a fascinating example of far-reaching research conducted at the Minnesota Agricultural Experiment Station.

NOVAYA ZEMLA (U.S.S.R.) — A series of Russian atomic explosions on these Arctic Ocean islands has loosed 3 tons of radioactive debris in the world's atmosphere — almost double the amount released in all previous atomic explosions. Spring rains falling on a

freshly-greening Minnesota countryside in 1962 will deposit fallout particles, strontium 90, phosphorus 32 and other radioactive isotopes of chemical elements on the leaves of growing plants. The material will enter the plant and be taken up in the vascular system. And for reasons yet unknown a considerable amount will be carried to the seeds or fruit. Why? Although the absorption of nuclear material released to date will not now present a health problem, how might it affect our food supply in event of an enemy nuclear attack?

In a second floor room of a red brick building on the University's St. Paul Campus, a team of University scientists are gathering information that may provide answers to those questions.

ROME, ITALY — June, 1960 — 'A Minnesota poultry researcher today told the Third Annual Mixed Feed Conference that a low protein corn soybean oil type ration for laying hens will support a high rate of egg production.' Important news in Italy? You bet.

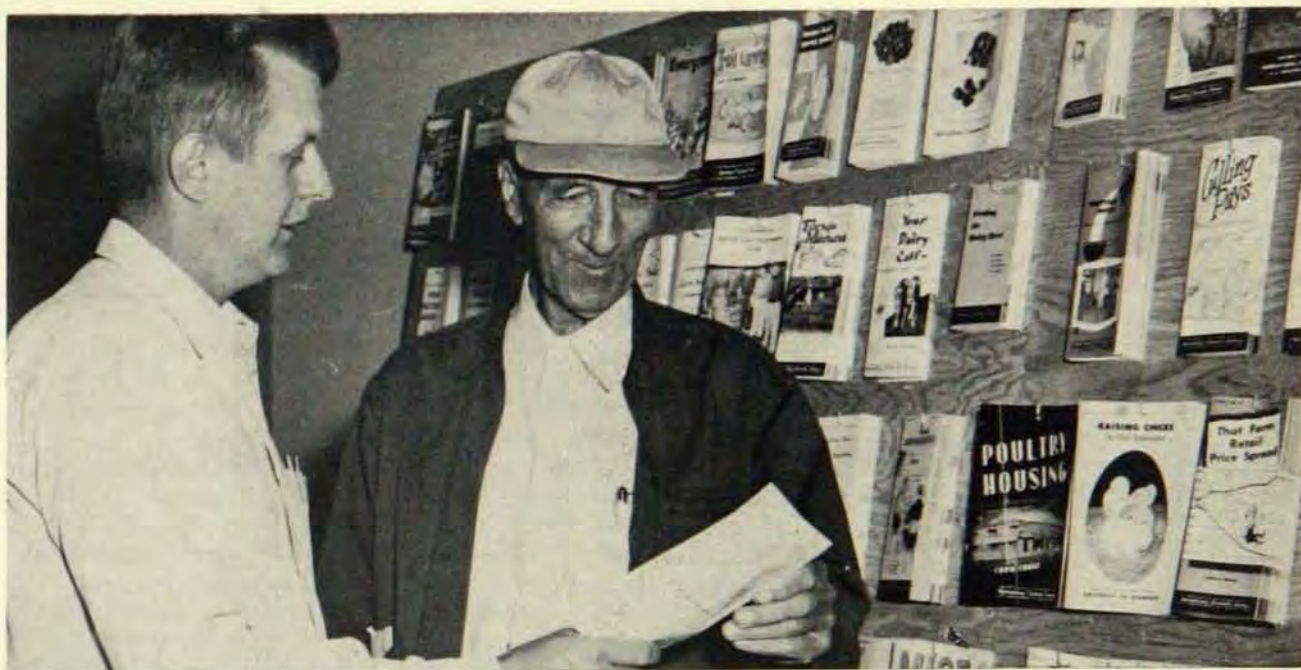
Poultry and egg consumption in Italy is low — only about one-third of the U. S. rate. That's circumstance, not choice. Italy is short of proteins and fat for poultry and livestock feed. And whether it's for growing or laying, Italian chickens and turkeys need protein. American soybeans are an economical source of protein, and connecting their adaptability to an Italian poultry ration could mean (1) more eggs and poultry meat for Italy and (2) important markets for U. S. soybeans.

Minnesota Agricultural Experiment Station files bear record of the research behind that report delivered by Elton Johnson, head of the University's department of poultry husbandry, to the Italian feed industry.

In the files: 'Project 2312, effect of diet on performance of growing chicks; 2318, nutrient needs of turkeys under practical growing conditions; 2319, nutritional interrelationships in young chickens.' Behind each project are hours of painstaking laboratory study and data compilation, a searching evaluation, analysis and



Rome: A Minnesota professor aids Italian poultrymen.



University publications are widely distributed through county agents.

final report. And all results are freely available to the poultry industry everywhere.

CAPE CANAVERAL—A complex missile guidance system arrives safely, protected from shipping damage by a container made largely from forest products. A few years ago, wood from aspen probably would have been used in the container; today that's not likely.

More than a decade ago a survey reported 6½ million acres of aspen in northern Minnesota, growing two to three times as fast as we were using it; much of it going to waste because we didn't know what to do with it. World War II brought a strong demand for rough crating. With it, the lowly aspen had, for a time, come into its own. But with the end of defense production forest products industries were among those hard-pressed to adjust to a changing demand.

A Minnesota manufacturer took a bold forward step, asked the University School of Forestry to aim research toward developing new uses for aspen—the tree few people wanted. A market for aspen would mean more jobs for Minnesotans, a use for abundant forest produce.

University forestry researchers tackled the problem, found immediate application for research findings about crating. Industry representatives contributed ideas, specified their needs. Forest products researchers ironed out technical aspects—and the swing from rough to engineered aspen crating got underway. For several years aspen returned to favor. But times and technologies change. Research in other areas brought about stiff competition—and today in the crating industry, aspen use is declining. So a new program of study began.

What's in the future for Minnesota's "weed tree?"

That depends mainly on research that might improve tree quality and develop applications of the new product aimed at recapturing older markets and expand into the new.

Although the foregoing discussion has centered largely on the results of research activities of the Institute of Agriculture, they do point to two important facts:

1. Agriculture and forestry and industries related to them are highly technical industries, depending on a high degree of scientific knowledge and research.

2. Any University research program is tied to a successful teaching program and a plan for extending the results of research to the people of the state and nation who can use them.

To do this job of research, undergraduate and graduate training, and continuing and extension education, the Institute headed by Dean H. Macy has three major units:

Agricultural Experiment Station which carries about 300 different research projects.

College of Agriculture, Forestry, and Home Economics which is responsible for undergraduate training.

Agricultural Extension Service which is responsible for extension education, largely through its system of county agents throughout the state. Skuli Rutford is director.

The Institute is also broken into more than a dozen subject matter departments such as agronomy, soils, dairy industry, etc. These departments are responsible to the Experiment Station for their research and to the College for their teaching activities. Staff members often do both research and teaching, and, in some instances, are involved in extension education.

Chiming on the University Campus

BELLS..

"the music nighest bordering upon heaven"--Lamb

Since 1948 carillon music has filled the air on campus and in the surrounding area at regular intervals throughout the week and on special occasions. The bells, with a range of about five miles, can be heard on the St. Paul campus, too. When the bells were first installed, the volume was high enough that people across the river claimed that the sound rattled dishes in the cupboard. The volume was toned down.

Three distinct sets of bells—the English, the Flemish and the Americana—can be played separately or they can be blended together. This installation is one of the largest of its kind. The 25 English bells, which sound much like Westminster chimes, two octaves.

The higher-pitched Flemish bells of which there are 61, add 5 octaves to the set. These bells make it possible to play more complicated music. The most recent Americana set consists of harp, celeste and quadra bells.

The English bells ring at 20 minutes after the hour and at half past the hour as thousands of University students move from class to class. These Westminster chimes sound a simple melody just before marking the start of classes at half past the hour.

Students and faculty members who are on campus at 8 a.m. are treated to the strains of "Minnesota Hail to Thee." The between class chimes and "Minnesota Hail to Thee" are played automatically on roll players. Again in the evening, at 8 p.m., a brief concert is rung out.

Every school day, a special concert is played from 5 to 5:30 p.m. Two University music majors alternate weeks of playing. They are Lowell Lindgren '64 and Daniel Chorzempa '65.

As the donor of the bells, H. Rowatt Brown, Minneapolis, said, "The bells are for everyone." A quiet modest man with a deep appreciation for music, especially bell music, Mr. Brown gave the whole set of carillon bells to the University in "loving memory" of his wife, Frances Miller Brown, dedicated them to "peace and enlightenment." The memorial plaque hangs in the foyer of Northrop Memorial Auditorium.

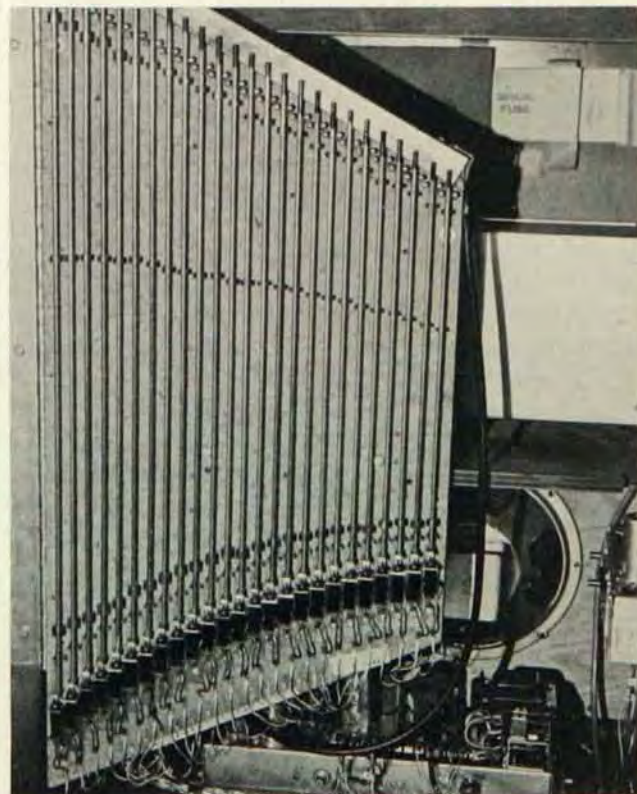
Brown, who was neither a University student nor a faculty member, first wanted to give something to a church in memory of his wife and then he hit upon the idea of giving bells to an institution. "One day," said Brown, "I was looking through a *National Geographic* magazine, and I saw an ad about bells. I

wrote to the company and they sent a representative to visit me."

That was the beginning of this magnificent gift to the University. The first set of 25 English bells were installed in time for commencement week in June of 1948. These bells are suitable for simple melodies since only one note can be played at a time.

The following fall, the retired real estate and construction man added 61 Flemish bells to the first installation. With the added five octaves of notes, it was possible to play chords and harmonies.

The bells aren't really bells at all; that is, there are no large cast iron frames to sway back and forth in a bell tower. The Brown memorial bells weigh pounds, not tons. The bells are pencil-sized bars of



Metal rods which give off barely audible sound are amplified 100,000 times or more times by an electronic device. The result is a bell tone which can be heard for miles.

the same type of metal of which massive bells are made. Some of the bars weigh as little as three ounces. At the time they were installed in 1948, electronic replicas of English and Flemish cast bells, being novel, created a lot of interest. Now they are more common on college campuses.

These miniature bells are housed in a series of metal cabinets in a small second floor room in Northrop Auditorium. These cabinets encase the bars, innumerable wires, relays and other minute parts.

When notes are played at the keyboard of the console located on Northrop's second floor hallway, east side, impulses are sent to the hammers inside the metal cabinets in a nearby room. When the rods are struck, barely audible sounds are electronically amplified 100,000 times or more, making possible the pleasure of massive bells. From the metal boxes, the electronic bell sounds are carried through a mixing amplifier to large power amplifiers. Then the electrical impulses are changed into actual sound by speakers on the roof of Northrop. Thus, full bell tones reach the campus community.

Besides the English and Flemish bells, Brown gave roller players, including a timing device, and the console. He set up a maintenance scholarship fund for paying the carillonneurs. In addition, student carillonneurs receive a lifetime subscription of the *National Geographic* magazine.

The most recent set of Americana bells made the installation at Northrop one of the largest and most complete sets of its kind.

Occasionally outstanding carillonneurs give special bell concerts. The first such recital was given at the time the bells were dedicated in October of 1948. Arthur Lynds Bigelow, bellmaster of Princeton university, played the Flemish bells and Alexander McCurdy, head of the organ department of the Curtis Institute of Music in Philadelphia, demonstrated the use of the 25 English carillons.

In 1959 Robert Carwithen, organist and carillonneur at Swarthmore Presbyterian Church, Swarthmore, Penn., and instructor of campology at Westminster Choir College, Princeton, N.J., gave the dedication recital for the Americana bells. Most recently—last June—Clifford Ball, an English carillonneur, gave a special concert.

Paul M. Oberg, head and professor of the music department, was the first University carillonneur. As part of Mr. Brown's gift in 1948, Dr. Oberg was sent to Princeton university to learn under the expert instruction of Bigelow how best to play the bells so to take advantage of their wide range and adaptability. The University music department head played them until the roll player and timing devices were installed in 1955.

With the Christmas season here, the selection of music will remind listeners of the season. The strains of bell music add to the beauty and dignity of the campus, and will inevitably become an integral part of the memories of students for generations to come.



Dr. Paul Oberg, head of the Department of music looks on as Lowell Lindgren, music student, plays the half hour concert between 5 and 5:30 p.m.



Holding the magazine which inspired his unusual gift, H. Rowatt Brown is the donor of the bells which are a memorial to his wife. "The Bells," he says, "are for everyone."

Memo

TO: Members of the Association
FROM: The Executive Director
SUBJECT: Our Great Untapped Human Resource

Women are wonderful. Every male knows that. They come in such attractive packages. They are so nice to look at. Beyond these purely aesthetic qualities women are useful, too—to raise our children, cook our meals, run our homes (and our errands) and even to talk to (if you can get a word in edgewise.) Besides that, women outlive us and end up with all our money.

In spite of all the talk about the equality of women, they have not taken their rightful place in our society because we haven't let them.

Their beauty we exploit. We use them as housekeepers, valets and nursemaids. We have been careful, indeed, not to make use of their brains and ability.

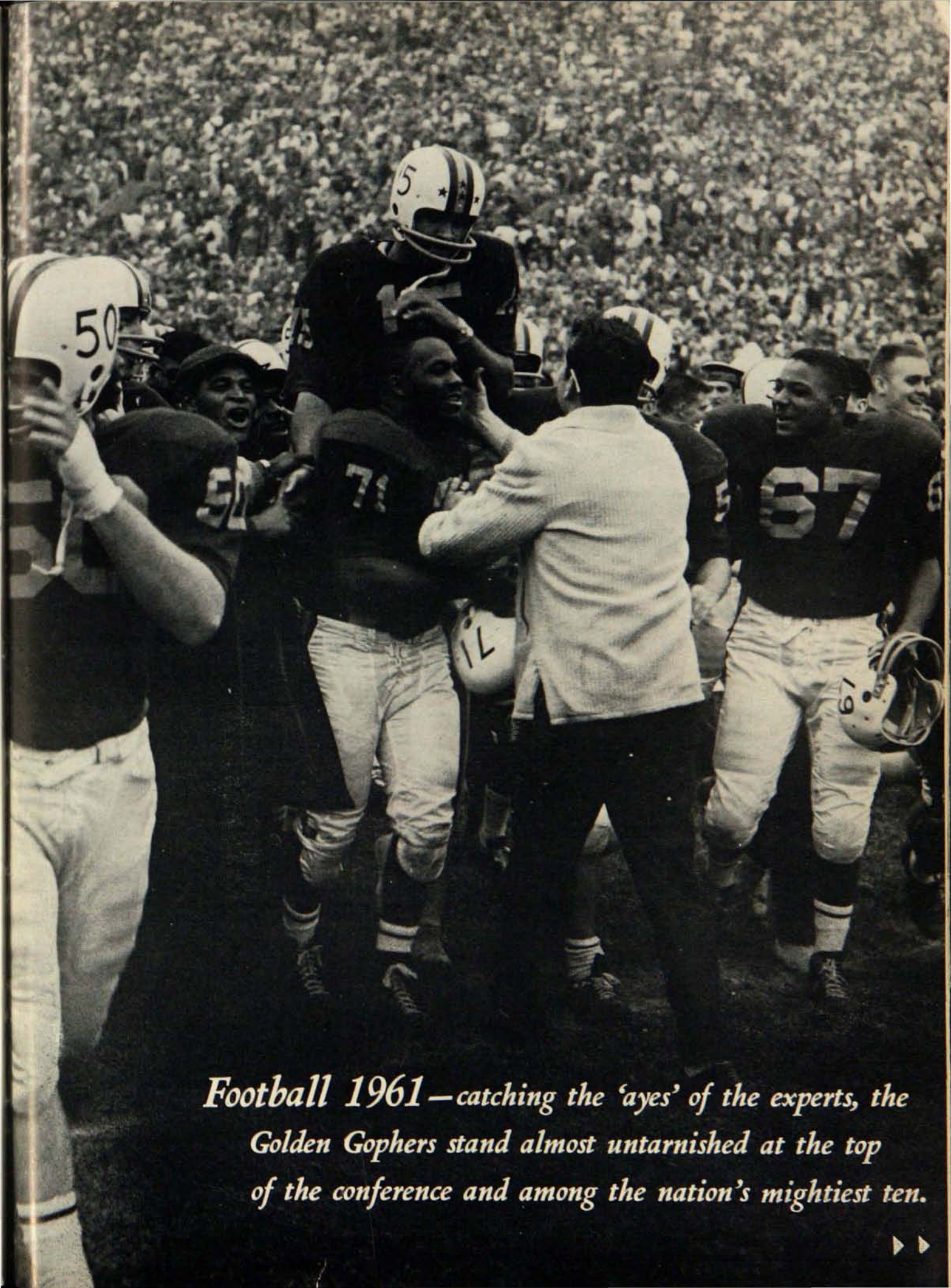
Women are allowed to vote. A few are allowed into the professions, business and public service. The fact remains that our great untapped resource in this country (and of the whole world) are the brains and ability of our women folk.

At this time of international stress and tension, when self-determination is invading the peoples of the world, when man is seeking to conquer space, when the best brains, the keenest insight, the greatest know-how and the best educated and trained people are essential if we are to survive, we are not making use of the brains and ability of women.

It is a fact that in high school the best students are girls. It is a fact that of high school graduates the upper 10 per cent includes twice as many girls as boys. (There are a lot of reasons, of course.) Yet, a high percentage of girls of college ability do not continue their education. Many people still believe that sending girls to college is a waste of money and education because they will marry. Parents feel that sons should go to college because they become the bread winners but their daughters will marry. In families where money is a problem this is especially true. It seems, too, that families are more willing to borrow for a boy's education than for a girl's. This is because they feel a boy will repay the loan while the girl may not. It is true that scholarship help is more readily available for boys than girls.

It is likewise true that in our society we do not pay a woman the same as we do a man for a commensurate job.

(Continued on page 25)



Football 1961—catching the 'eyes' of the experts, the Golden Gophers stand almost untarnished at the top of the conference and among the nation's mightiest ten.





Minnesota 13 – Michigan State 0!

Giants on the Field

A cautious Coach Warmath predicted at the end of the '60 season that "We'll show up for all our games." At the beginning of '61, Murray, still conservative declared that the games would be "good and interesting," and added that the defensive unit was "promising."

Nine weeks later the Gophers had proven themselves a great club—even a better all-around club, some say, than the 1960 national champions. The 1961 Gophers in any case need stand on noone's reputation but their own, for they've taken eight wins and the first undisputed Big Ten title since the Bruce Smith team of 1941.

Warmath's second consecutive spectacular was similar to the rags to riches success in 1960. Last year, the mid-season Michigan game, won by Minnesota on Michigan ground, was the first real sign of title contention.

This year the first glimmering of title ambitions appeared during the

23-20 Homecoming win over Michigan. After that victory, Gopher fans began to burn with the conviction that again, Warmath had a winner!

Michigan coach, Bump Elliott commented after that Michigan battle, "the Gophers are more dangerous than last year. They have more ways to beat you. And they run," he continued, "every formation in the book."

The season's openers were unspectacular. The first was, of course a loss to Missouri. The Gophers, fighting a tough team through a freak snowstorm, didn't even score. Oregon was the first victim to Minnesota. Stephens scored with two second half plunges to gain a standing 14-7 lead. He commented after the game, "We were slow starters last year, too."

Minnesota scraped together 10 points in the third period against Northwestern and won 10-3. But, seeming to grow stronger with each game, the Gophers bounded from a

meager 7-0 lead at Illinois to overpower the Illini by 33-0 at final count.

Then came the big one—Michigan at Minnesota. The Gophers rode the crest of the wave for the rest of the season.

Michigan State, the second big power to fall, suffered their loss before Minnesota's new "unbalanced line offense." Ends, Tom Hall and Bob Deegan merely lined up on the same side of center, providing crushing power for sweeps on their side of the line.

The game at Iowa City was almost anticlimatic. The traditional rivals clashed hard, but Minnesota came up the undisputed winner in play and in score.

Purdue at Memorial Stadium, could well have been the upset of the season as it was last fall. The Boilermakers seemed outplayed until the final quarter; but they threatened then, and only fine Go-

pher defensive play kept them at bay.

The hopes growing game after game blossomed into confirmed glory after the Michigan game. The small fear of upset was once and for all squelched with a win.

Superstition, luck and just good football are listed by the teammates as the winning "recipe."

Guard, Robin Tellor went through the season as the team's "Sampson." He swore to let his locks grow until the team lost or the season ended. As a player he reached his peak in the Iowa game when he met an old nemesis, Thurston Thorson. Eclipsed by more spectacular teammates, he nevertheless, threw superb blocking throughout the contest.

A list of individual accomplishments would, of course, have to start with those of Sandy Stephens, quarterback.

Stephens is the first man since Paul Giel to gain 1,000 yards in a single season. Not a game record emerged without reports of his starring plays.

The number "78" was a big, recurring thing to many victims of the Gopher line. Bobby Bell wore that jersey and in it collected the admiring comments of fans and experts as well as the admiration of his many bruised opponents.

Julian Hook, a "red dog" expert from linebacking position also collected honors. Commenting on the season he hesitates to compare this year's company with that of last, but does admit that "we have a bet-

ter offense this year, mainly because our passing has improved. They can't stack a nine man line against us!"

Hook was noted as a stand out in the Spartan game and said of the Michigan State opponents, "they were a better team than the Iowa Hawks of last year, because they held for all four periods."

Another man to boost the confidence of the Gophers was Dick Enga, center. Holding the line-backer's spot after the Iowa game of '60, Enga switched during the summer to play offensive center. He made headlines just a year after his debut by playing outstanding ball at Iowa City. Against the Hawks he made a punt block that led to a Minnesota TD, intercepted a pass, and played a better than average all-around defensive game.

But the real honors, the biggest applaus goes as always to "the team."

The fans should and will remember standout performances like that seen at the Purdue game. A record crowd of 67,081 saw Boilermaker quarterbacks Digravio and Hogan fade back to pass no less than 30 times. On 14 of those occasions Bell, Wheeler, Hook, Enga, Tellor, Mulvena, Deegan, Hall, Berkovich, Campbell pulled them down.

The significance of wins was heightened by the presence of several other unbeaten teams and the presence of many Minnesota opponents among the ranking of the nation's top ten.

The Gophers themselves dis-

placed number one team, Michigan State. Texas jumped to the number one; then Alabama took over. Meanwhile, the Buckeyes of Ohio State clung to their share of first place in the Big Ten by ripping unbeaten through their schedule.

But Minnesotan's fiercely asserted the Gopher's rank and were joined by several out-staters.

After seeing his team fall, Duffy Daugherty of MSU claimed that the "Gophers deserve the top."

Purdue's Jack Mollenkopf blamed the Gophers opening loss to a "weather freak" and added that they "belong on top."

Speaking for the team, Bob Deegan shouted, "We're number 1 and Purdue's number 2!"

As for coach, Murray Warmath, he wouldn't make any comparisons with last year's success. He would only comment that the point margins in each win were "quite thin," and that the close victories were a tribute to the "kind of players" the Gophers were.

The consensus of opinion around the league is that Minnesota socked harder this year and was slightly more mobile than the 1960 champs. At the same time Sandy Stephens realized his potential as an all-around quarterback.

The conclusion: The Gophers have had two consecutively great teams. The fans have had a second surprise. The coach has earned another feather in his cap; for he and his staff have out-maneuvered and out-scouted the opponents; his men on the field have outplayed them.

In the begining . . . football heroes presented a quiet and composed countenance to their admirers (though, admittedly, fans themselves were a bit scarce and likely to be sticklers for propriety). Languishing on the field, the team of 1892 presents a study in contrast to the cheering, leaping gridders of 1961. But they have in common — championship! Complete victory crowned her first Minnesota football team in that year of '92. This undefeated, untied team placed Minnesota among the "big" colleges as a competitor, and initiated for the first time student interest in football games. With fervent spirit, the college paper admonished students to go if you have to creep, or if you have to be carried. You will be a better student and a more loyal son of the University.





Secured — the Little Brown Jug from Michigan.

Minnesota 0 — Missouri 6

The Orange Bowl champions came to Minneapolis with one win under their belts. A freak September sleet, rain and snow storm mudded the field and slowed both teams to a standstill, but Missouri did break through to win 6-0. The score was set up by the game's best of few good plays. In the second period Missouri's Carl Crawford leaped between three Minnesota defenders to take a 24-yard pass from his quarterback Ron Taylor. Three plays later Bill Tobin crashed through for the only score of the game.

Minnesota 14 — Oregon 7

Minnesota's line hammered Oregon's fleet back to the ground, but didn't break their own scoring ice until the second half of the game. Sandy Stephens then scored twice on final jaunts of eight and three yards. Bobby Bell, the big man in the Gopher line that day, stopped one Oregon threat by a tackle on the Gopher six yard line. Bob Frisbee took over the linebacking shores later in the game when captain John Mulvena was injured. The Memorial Stadium crowd — the same who sat in freezing rain a week before — saw this game in shirt sleeves.

Minnesota 10 — Northwestern 3

"I hit a meat grinder!" commented Gopher Julian Hook after the conference opener at Evanston. The Minnesotans needed breaks to win this one, even though the line outrushed the Wildcats. Shattering

only one big trophy was missing as the rest came rolling home . . .

Game by Game

tackles by Bobby Bell and Jack Campbell produced fumbles that paved the way first to a Stephens touchdown, then to a 31-yard field goal by Judge Dickson. Jerry Jones took over putting chores and with nine fine punts kept the Wildcats at bay during the bruising contest.

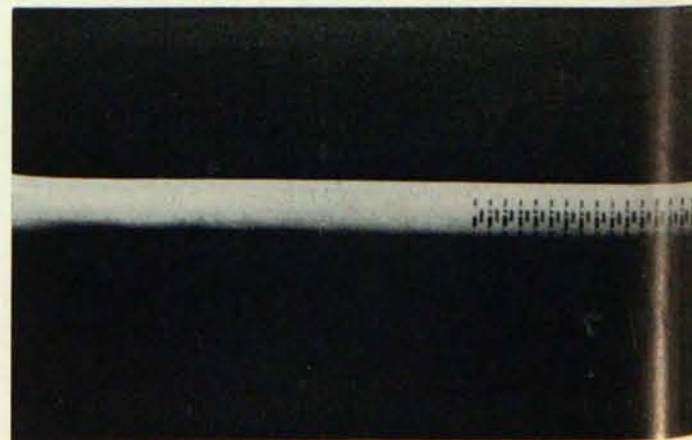
Minnesota 33 — Illinois 0

Two jinxes were broken at Champaign in a 33-0 Gopher victory. Minnesota won her first game in Illinois territory since 1917 and Sandy Stephens broke through still the critics of his passing. Stephens threw four touchdown aeriels and himself scored once on the ground. Tom Hall was the receiver for two TDs. Bob Deegan and Jack Campbell caught the tosses that scored later in the game. All in all, Minnesota scored 26 points in the second half of the season's easiest game.

Minnesota 23 — Michigan 20

Judge Dickson scored on fourth down, one foot and goal to go, 1:24 minutes remaining in the game. That score gave Minnesota a 23-20 lead and provided the crowd with a real Homecoming thriller. Details of the last drive included Tom Teigen's, fresh off the bench, forcing a Michigan fumble. Dickson recovered on the Michigan six to set up the winning score. Just before the fumble, the crowd had gotten it's biggest chills as Stephens first batted down a potential touchdown pass and had intercepted another to foil the visitors. Adding up yardage throughout the game, Stephens ran 63 yards

The one that went with upset.



ALUMNI NEWS

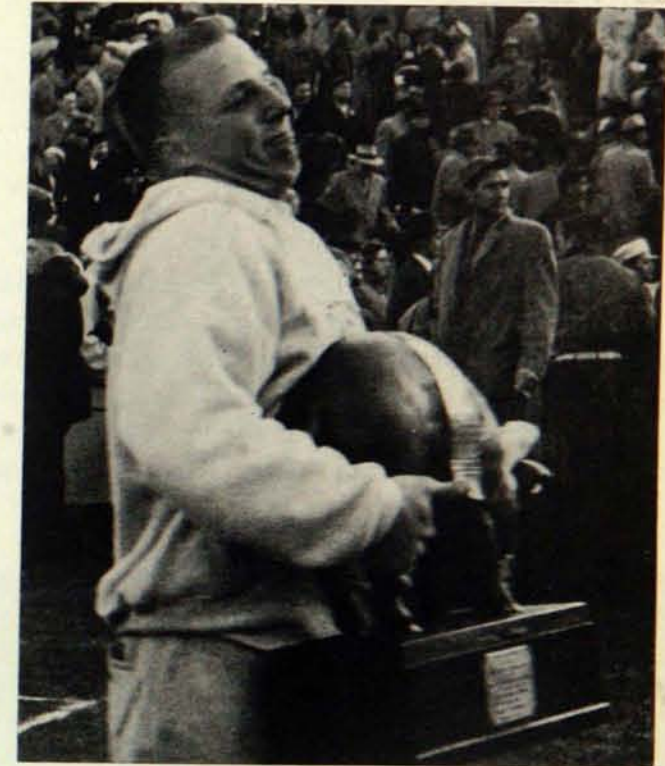
for the longest Gopher run from scrimmage in a decade. The quarterback broke Paul Giel's single game offense record of 281 with a total of 304 yards.

Minnesota 13 — MSU 0

Michigan State was number 1 in the nation until November 4 at Memorial Stadium. The Gophers knocked them from the rankings with a solid 13-0 victory. Minnesota offense picked up where it left off in the Michigan game to make a 71 yard drive in its first series of plays. Previously injured, Bill Munsey returned to the lineup and took Stephen's pitchout for the final eight yards to give Minnesota the first score. The rest of the game was a tense battle until the final five minutes when Stephens found Munsey open on the end line to receive a 23 yard scoring pass. Tom Hall was named lineman of the week by both press services for his defensive play against the top-ranked Spartans.

Minnesota 16 — Iowa 9

Iowa was Dick Enga's conquest. His conquests throughout the game included an intercepted pass, a recovered fumble and a blocked punt that was recovered in the end zone for a gopher score. Minnesota won 16-9; but the score could well have been 23-2. Iowa scored its touchdown in the last three seconds of the game after picking up a dropped pass interception. Iowa jumped to a 2-0 lead on a safety, but tackle Tom Loechler of Minnesota kicked a 26 yard field goal in the second period. The 3-2 margin was increased in the fourth period when Munsey gathered in a 39 yard pass



Secured: Floyd of Rosedale from Iowa.

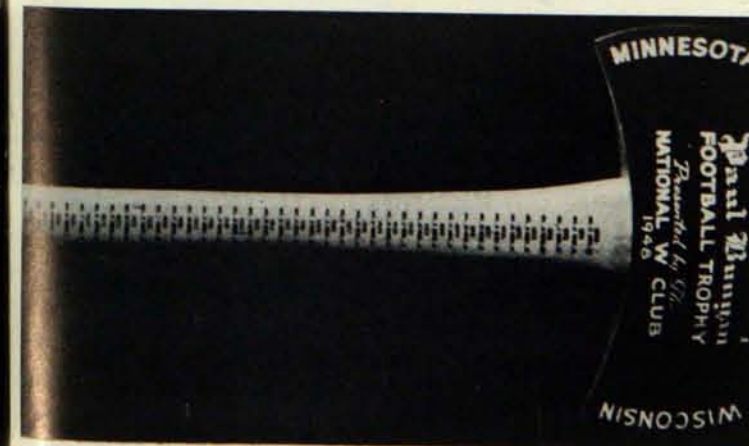
from Stephens and made the lead 10-2. A starring Minnesota defense was led by Julian Hook.

Minnesota 10 — Purdue 7

The Boilermakers came to town with one thing in mind: an upset. Tom Loechler put Minnesota ahead with a 35 yard fieldgoal; Stephens punched over for a TD in the second period. Those 10 points were all that the Gophers could drum up despite several threats that they handed Purdue. Purdue didn't cross their own 32 in the first half, but tightened their offense after the intermission. A 53 yard pass play from Gary Hogan to Harold Wells set up a score to frighten Gopher fans during the last five minutes. But the Gopher's defensive rush dept Purdue from threatening again. Gophers stars in the contest included Dave Mulholland, who ground out most of the two scoring drives; tackle Jim Wheeler and lines Deegan and Campbell who stood out on defense.

Minnesota 21 — Wisconsin 23

An 80 yard run on the first Gopher play from scrimmage spurred deceptive hopes of a steamrolling victory over the Badgers. But a Wisconsin passing combination, Miller to Richter, could do no wrong, and their team controlled the game thoroughly after the first few minutes. The Gophers were crippled, but they were outplayed despite all factors. The outcome was heart breaking — the conference title and a Rose Bowl bid fell — but it was no disgrace, for they never stopped battling.



DECEMBER, 1961

HOMECOMING 1961

Friday noon the cry began—DEN THE WOLVERINES! House decorations, parade floats and buttons copied the cry that called for victory over MSU. The following day, November 4, the Gophers took that victory, 13-0.

Of course, the game was the great climax to traditional pageantry and the a-little-more-than-usual excitement that marks every

Homecoming. But the peripheral events were there too—rallies, dances, pre and post game parties, and the coronation of a king and queen to top it all.

Two comic characters new to campus made it to the game, cavorted at the sidelines and performed at halftime. Huck Hound, and Yogi bear were there, bigger than life. In a surprise move,

Yogi lost his head to reveal an even prettier one belonging to last year's homecoming queen, Kay Knutson.

Through all the excitement, though, ran a foreign thought: what about next week? But that was the story of the season— one challenge after another, and each looked bigger than the last. But for the happy ending, the Gophers met them all and beat them, almost.

Photos by Conrad Rose



Action in midair of the game that downed Michigan.



Kickoff! And up go the traditional balloons.



A fan, obviously enjoying the game—or the queens!



Queen Kathy Murphy and King George Faber.



The 1961 Golden Gophers

Statistical Story

Halfback, Cairns led the field in yards averaged per carry. Averaging 4.8 yards, he carried 35 times, gained net yardage of 168 and scored two points after touchdown. Halfback, Fischer averaged 4.5 yards in 8 carries.

Stephens, quarterback, carried 100 times, made 432 net yards, averaged 4.3 yards per carry and scored six times for a total of 36 points.

Munsey, hb, carried 54 times, averaged 3.9 or a total of 210 yards and scored once for six points. Dixon, fb, carried 80 times, made a net gain of 269 and an average of 3.4 yards and scored 12 points — one touchdown and three points after touchdown. Mulholland, hb, carried 52 times, gained a net of 176, an average of 3.4 yards. Jones, fb, carried 36 times, gained 108 net yards and averaged 3 yards per carry. King, hb, carried 80 times, gained 74 net yards and averaged 2.2 yards per carry.

In the backfield Loechler, tackle, made 5 points after touchdown and kicked two fieldgoals for a total of 11 points. Campbell, end, received one touchdown and made two points after TD for a total of 8 points. Hall, end, scored 2 points after touchdown.

In passing, Stephens holds the honors with 117 attempts, 38 completions. His aerials completed sev-

en touchdown and two conversion plays.

Pass receivers were: Hall, 8 for 117 yards and two touchdowns; Carins, 7 for 109 yards; Deegan, 5 for 72 yards and one touchdown; Jones, 5 for 44 yards, Campbell, 3 for 117 yards and two touchdowns; Mulholland 4 for 43 yards; King, 3 for 25 yards; Munsey, 2 for 62 yards and two touchdowns; and Dickson, 1 for 20 yards.

Minnesota outplayed her opponents in almost every phase of the game. In first downs the Gophers led 109 to 80; in carries 405 to 325; in net gains 1,461 to 710; in touchdown passes 7 to 2, in total offense 2,070 to 1,437. Minnesota fumbled 13 times, recovered five; opponents fumbled 29 times,

recovered 14.

By quarters Minnesota scored totals of 12, 21, 32 and 54 points; opponents scored 12, 19, 7 and 14 points.

A crowd breaking all local records saw Purdue lose to the Gophers in Memorial Stadium. 67,081 fans were there. The Michigan game drew the second largest audience of 63,898 people. The first game, Missouri visiting, drew 58,840; Oregon drew 50,499, Michigan State drew 59,941.

Out of town — 41,251 fans were at Northwestern; 52,247 saw the Gophers at Champaign; 60,100 Hawk and Gopher fans invaded Iowa City.

(Figures include all statistics through November 18.)

FOOTBALL 1962

September 29	Missouri	Home
October 6	Navy	Home
October 13	Northwestern	Home
October 20	Illinois	Home
October 27	Michigan	Away
November 3	Michigan State	Away
November 10	Iowa	Home
November 17	Purdue	Home
November 24	Wisconsin	Away

(continued from page 16)

It is time we changed all of this. It is time we seek out brains wherever they are to be found no matter how they are packaged. It is time we select our minds on the basis of intelligence, not on the basis of sex. It is time we pay commensurate salaries for commensurate work. It is time we use women with brains and ability in all phases of our economy.

Yes, women are wonderful—more wonderful than we know or admit. It is fine that we recognize their beauty and femininity. It is time that we use their brains, their ability, their integrity and their courage.

Women have always had a lot to say about what goes on in the old world of ours (one way or other.) They are destined to have a lot more to do with what goes on in the world of tomorrow. Women represent our greatest untapped resource of brain power. It is time we started making use of it.

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Ed Hanley



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THE UNIVERSITY



Consolidation on UMD campus —

Move at UMD

Sixty classes began meeting as of November 27 in the newly completed, \$850,000 Education building at UMD. The move of almost all education and psychology division classes plus the administration of the two divisions marks the consolidation of all UMD academic divisions on the new, 190-acre campus. Only minor offices, industrial education, the laboratory school, publication facilities, radio station, news service and Torrance hall continue to operate on the former Duluth State Teachers college campus.

Holidays at Stake

To class or not to class—that was the question put students in an all campus referendum. Questioning the necessity as well as the popularity of minor holidays, the University Senate Scheduling Committee proposed that classes be held on Veterans Day, Columbus Day, Lincoln's and Washington's Birthday. Students, however, having other ideas, turned out in record numbers and downed the proposal by more than 2,000 votes. Currently—final senate action still pending—the students will not only honor the heroes of the minor holidays, but will retire from class-

es early each quarter for a new "study break" before final examinations.

Demands for Peace

World tension has forced expressions of individual tension on two University campuses:

Duluth—Students Speak for Peace Days were observed on November 10-11. Disarmament and the role of the student were discussed at the special "peace convention."

Minneapolis—Four University scientists began a world-drive to ban nuclear weapons testing. Co-signing a letter to *Science*, an international weekly journal, Dr. Maurice Visscher, head of the physiology department; Dr. C. J. Watson, head of internal medicine; Dr. Bryce Crawford, dean of the Graduate School; and Dr. I. M. Kolthoff, head of analytical chemistry in IT, appealed to other scientists to express their united opinions on the effects of nuclear testing to the United Nations. "There isn't any doubt that increased amounts of atmospheric radiation will increase the number of mutations as well. And 99.9 per cent of all mutations," said Visscher, "are disadvantageous."

Medics Study Arts

Medical students are receiving a new dose of liberal arts. Presi-

dent O. Meredith Wilson recently opened a new series of lectures in Mayo auditorium by speaking on "The Ethical Animal?"

Folk Stories

Paul Bunyan, the Northwest's own mythical creation, is as well chronicled in University libraries as many living men of present days and past. A recent gift of original manuscripts relating to the fantastic lumberjack was made to the library by author, James Stevens. The material, leading to publication in 1924 of several tall Bunyan tales, adds to a collection started at the University in 1953. The collection is believed to be the largest in scope and original manuscript material of any now in existence.

Archeologist Visits

Witness to "two of the most significant discoveries in archaeology and the foundations of western religion," Professor William Albright, has recently completed a series of appearances on the University campus. Professor emeritus of Semitic languages at John Hopkins university, Albright delivered six lectures as well as miscellaneous class discussions while serving as visiting professor of philosophy.

The discoveries referred to were the excavation of Raz Shamra and the discovery of the Dead Sea scrolls. The first "brought to light literary material on the Caananites . . . disproving the work of Moses in the Biblical sense, but giving the Old Testament a much sounder literary and cultural base."

"The Dead Sea Scrolls . . . fill in a gap of missing background for the New Testament Bible. They give us a peg for Hebrew dating of the New Testament as well as the Greek literary base for dating it."

Mayo Heads Regents

Dr. Charles W. Mayo '32MS-(Med), Rochester, was elected chairman of the University board

ALUMNI NEWS

of regents. A member of the board since 1951, Dr. Mayo has previously served as vice chairman and second vice president.

Named vice-chairman was Mrs.



Mayo — Regents' Chairman

Marjorie Howard of Excelsior. In the absence of Dr. Mayo, who was called out of town before the election meeting, Mrs. Howard presided. She was the first woman in recent history to preside over a meeting of the regents.

Initial business at the meeting was the formal swearing in of Fred Hughes, St. Cloud attorney. Following was discussion of a new theater building and the hearing of a summary of proposed University departmental reorganization (See page ??). A new theater, the regents were told, is needed at the University, and is included in plans for the new west campus. Acceptance was made of a bequest directing funds only toward the construction of such a facility.

Dr. Salk Speaks

"The sciences and humanities must be brought closer together for one universe of understanding."

Those were the words of Dr. Jonas Salk, reknown developer of the widely used Salk poliomyelitis preventataive vaccine. Dr. Salk appeared on campus November 16 to deliver the annual Alpha Omega

Alpha lecture at Mayo Memorial auditorium. Currently an expert consultant in virus diseases to the World Health Organization, he stated that research in seeking a multiple vaccine against numerous virus diseases is not only his own field of concentration, but is generally "a big push in medical science."



Howard — Vice-Chairman of the Board

Russian Medicine

"Any medical display is bound to be full of gadgets, but I must say these look like gadgets from Tiffany—they are very finely made." That was the comment of a University surgeon viewing the medical exhibit set up in Coffman Union by representatives of U.S.-S.R.

The flag of the United Soviet Socialist Republics will mark an entrance of Coffman Memorial Union through December 6 while the Soviet Exhibition of Medicine and Medical Equipment, is displayed within the building. The exhibit is in the United States as part of a reciprocal agreement between the United States state department and Russian officials. (Old Glory is currently on Russian soil, flying over the transportation exhibit sent by the United States.)

Attracting special attention at the Russian display were mechanical suturing devices, a shadowless operating-room light, artificial heart and kidney machines and an "electric "sleep-machine." The more than 90 major displays of medical equipment are supervised by 16 professors, physicians and technicians accompanying the exhibit. The Soviet personnel are headed by Dr. Viktor Zhdanov, internationally known virologist. In formally opening the exhibit Zhdanov commented that the Soviet philosophy is to make medical care and public health, "the responsibility of the state." Speaking earlier of medical projects in the Soviet union, he described pills to control and reduce cholesterol, and "search apparatus for examining large vessels like the bronchial tubes." Though emphasis in Russian medicine, he continued, is on prevention rather than treatment of disease. He named cardio-vascular disease as a principle target of research in his country, as it is in the United States.



Ray Amberg, right, director of University Hospitals, discusses the Soviet medical display with Dr. Viktor Zhdanov, who was in charge of the exhibit. Most American physicians viewing the equipment, commented that American medicine utilized many of the same techniques, though a slightly different equipment and sometimes a varying philosophy.



Gophers on Times Square

The '62 football season has been as well or better advertised than any before it in Gopher history. A gay, golden gopher is peering down at spectators in major cities all across the nation. He heralds the football game schedule on numerous billboards belonging to General Outdoor Advertising, Inc. This unusual amount of publicity is due to a brainstorm of a Minnesota alumnus, himself a former gridder, who manages the St. Louis office of the advertising firm.

—RESEARCH—

Million-Dollar Center

A neurological research center for the study of cerebrovascular disease has been established at the University under a million-dollar grant from the United States Public Health Service.

The Regents have voted to accept the first year grant of \$199,-

505, and an additional \$1,059,898 to be received over the next four years.

This sum will enable University doctors to double or almost triple neurological studies done previously in this field. According to professor of neurology and director of the center, Dr. Maynard M. Cohen, the center will also strengthen cooperation between the department of neurology and the departments of radiology, anatomy and physiology in their study of the disease.

Cerebrovascular disease includes such body disturbances as "strokes" mental deterioration from "hardening of the arteries" and involvements of the nervous system due to such conditions as pulmonary disease, congenital heart disease and coronary thrombosis.

Medical Electronics

University physicians and engineers have joined in a complex research program in medical electronics.

An electronic "yardstick" is sought to measure the amount of blood pumped by the heart in a given time. If such a method could be devised, it would, according to project director, Professor William G. Kubicek, "be comparable in usefulness to the electrocardiogram which is currently used extensively to time events taking place in the heart." The work is being financed by the U. S. air force.

Cancer, Heart Studies

A \$215,000 gift for research in heart disease and cancer has been granted to the Minnesota Medical Foundation and will subsequently be used to support research projects of the Medical School.

Foundation president, Dr. Arnold Lazarow called the bequest made by the late Arvid Olson, a retired North Dakota merchant, "the most significant ever received by the foundation."

Clinical heart research will be aided by a \$3,136,550 grant of the U. S. Public Health Service.

A "center" will exist administra-

tively but work will be integrated within existing departments of the Medical School. The program will, according to Dean Howard of the Medical School, "in no sense replace other kinds of programs and support for heart research which we have had in the past."

It will, however, provide additional faculty and staff personnel, as well as new equipment and operating funds.

Life Processes

Man's driving energy—does it derive from or create men's personalities? A research grant of \$418,950 has been awarded for the study of certain body processes which produce "energy."

Specifically, the grant from the U. S. Public Health Service will support a seven-year study of oxidative phosphorylation—the most important means by which living cells make use of energy from foods. Paul D. Boyer, Hill foundation professor of enzymology in the department of physiological chemistry, will direct the study.

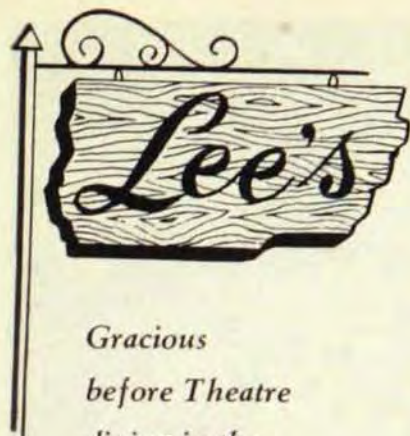
Rehab Center

A rehabilitation center will be established at the University with funds made available by the U. S. health, education and welfare department. Facilities and staff of the University and the Sister Elizabeth Kenny rehabilitation institute will be used at the center which will be the second of its kind in the nation. Directing operations will be Dr. Frederic J. Kottke, head of the department of physical medicine.

—FACULTY—

Knight Honored

Dr. Ralph T. Knight, professor emeritus of anesthesiology at the University received the distinguished service award from the American Society of Anesthesiologists (ASA) at its annual meeting in Los Angeles, Calif. The award recognizes his leadership, contribu-



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tion and service to the field of anesthesiology.

Often referred to as the first anesthesiologist in Minnesota, Dr. Knight headed the University's department of anesthesiology from its inception in 1920 until his retirement in 1954. He was president of the ASA in 1953 and was also first president of the Minnesota Society of Anesthesiologists. In 1958, he was awarded the St. Barnabas Bowl as the outstanding physician of Hennepin county.

The Ralph T. Knight Anesthesiology laboratory was dedicated in his honor at the University last February.

Director Named

Robert R. Pinches has been appointed acting director of Agricultural Short Courses at the University of Minnesota, it was announced today by Harold Marcy, dean of the University's Institute of Agriculture. Pinches, who has been serving as associate state 4-H Club leader, fills a vacancy caused by the death of J. O. Christianson.

A native of Ohio, he received his bachelor of science degree in agriculture from Ohio University in 1940 and his master's degree in sociology from the University of Minnesota in 1957.

Wilson Made Trustee

O. Meredith Wilson, president of the University has been elected trustee of Teachers Insurance and Annuity Association (TIAA).

TIAA is a nonprofit organization established by the Carnegie Corporation and the Carnegie Foundation for the Advancement of Teaching. It provides retirement and insurance plans for 1,100 colleges, universities, independent schools, foundations, and scientific and research organizations.

Willey Elected

At the annual meeting of the Social Science Research Council in Skytop, Pa., Malcolm M. Willey, University vice president for academic administration, was re-elected a member-at-large of the board of trustees.



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The '41 football team reunion featured such guests as: Bernie Bierman, Dr. George Hauser, Bert Baston and Sig Harris.



Team Captain Bruce Smith reminisces with Lucius Smith, Bernie Bierman, and Lloyd Stein.

THE ALUMNI

A "powerhouse" team, coached by Bernie Bierman, rose to undefeated, untied national championship in 1941. On November 3, team members met for their 20th reunion to reflect upon that '41 season that highlighted the 'Golden Era' of Minnesota football.

Meeting at the Minneapolis Athletic Club members of the team and coaching staff enjoyed a pro-

gram highlighted by appearances of team members *Bruce Smith, Bert Baston, Charles Pyle, and Gene Flick*; and of Coach *Bernie Bierman*.

Review of the season included "the play they're still talking about" that won the Northwestern game with a spectacular 49 yard run.

"All those who suited up in '41" continued the account, may rightfully bask in reflected glory at this 20th anniversary reunion."

Clubs Reorganized

New officers, new ambitions emerged from a recently held reorganizational meeting of the Red Wing unit of the MAA.

Mike O'Brandovich, new president, announced plans for future activities which include an annual meeting to feature an outstanding speaker from the University.

Serving with O'Brandovich are *Pete Petrich*, vice-president; *Arnold Vogel*, secretary; *Esther Leverentz*,



Undefeated Gopher Champions of the 1941 football season, reuniting for their 20th anniversary are, left to right: front row — Unidentified, Garnaas, Ruttger, Stein, Pukema, Holmstrom, Haley, Harris, Smith (All American, team captain), Frickey. Center row — Higgins, Sanders, Straiton, Lushine, Plunkett, unidentified, Bierman (head coach) Hauser, Flick, Ringer, Sweiger. Back row — Thomas, C. Sandberg, Fredrickson, Levy, Nelson, Billman, Lechner, Anderson, Nollander, Paschka, Odson, B. Sandberg, Fitch, Adams, Smith, Kulbitski, Wildung, Baumgartner, Baston.

treasurer; and board members Mrs. R. E. Farrell, Burton Holmes, Dr. H. H. Billings, Dr. David Johnston, Arthur Lillyblad, Helen Bell, Mrs. R. V. Sherman, Dr. Grant Hartnagel and Mrs. Arnold Vogel.

Robert Norman will head the Faribault university alumni club. At a reorganization meeting in early November, other officers elected to posts were Robert Burke, vice president; Nowell Leitzke, secretary-treasurer. Board members are Joseph Grunz, Paul Vogt and Ann Anderson. The club plans to have an outstanding speaker from the University visit Faribault at least once a year to discuss some timely topics.

Iowans Meet

Cedar Rapids, Iowa, alumni attended a special meeting on November 10. Ike Armstrong, University athletic director, spoke to the group, and following the program, the Iowa-Minnesota football film of 1960 was shown.

Alumni members of the Des Moines, Iowa, club elected the following officers for the coming year, John Mason, president; Bob Rancine, vice president and Jack Zimmerman, secretary-treasurer. Following the meeting, about 50 alumni watched movies of the Illinois-Minnesota football game.

Space Chairman

America is aiming at putting men on the moon around 1967 — "and I think there is a very strong chance we will pass the Russians" to do it — said alumnus-returned-to-campus, Lloyd V. Berkner.

Chairman of the space science board of the National Academy of Sciences, Berkner returned to the University to open a public lecture series on geophysics.

Commenting on the space race, he explained that the period around 1967 is the urgent national goal. This is because of heavy sunspot activity which will begin late in this decade. From this time on, he continued, the sun will more frequently spray space with deadly particles. Surviving the heavy storms of such solar cosmic rays

would require equipment that would be products of much more advanced technology.

Berkner's optimism about U. S. gains over the Soviet space program stems from his beliefs that "tight security and tight secrecy have kept (the Russian) program small."

"If you keep a program too se-



L. V. Berkner, scientist, alumnus on campus.

cret, you can't let enough people in on it and you can't develop technological competence.

"We now have programs at 15 or 20 universities, including the University of Minnesota, to give us a real base."

Berkner, 1952 recipient of the University's Outstanding Achievement Award, is president of the Graduate Research Center of the Southwest at Dallas, Texas, a consultant to the President's science advisory committee and was one of the men responsible for starting the International Geophysical year.

Wilson Honored

The Minnesota alumni club of Pittsburgh held a dinner honoring President O. Meredith Wilson at the University Club in Oakland, Pennsylvania, October 20. Among the 85 alumni in attendance were several Outstanding Achievement Award Winners, Minton Anderson, executive vice president of the

United States Steel Corp.; Dr. Frances C. Frary, former research director of Alcoa and Dr. Otis C. McCreery, assistant to the president of Alcoa. President Fran Schubert made the introductions. Otis McCreery gave the address. Robert Locklin led the group in singing Minnesota songs.

Dentists on Campus

Dental School alumni met Nov. 3, for their fourth annual reunion on the University campus.

New officers for the coming year are David C. Johnston '38DDS, president; Marshall W. Mueller '41DDS, vice president; David Pink '19DDS, secretary-treasurer. New board members are Theodore J. Dedloph Jr. '50MSDSur, Bryce A. Gilbertson '52DDS and Jay J. Nicol '30DDS.

Included in the day's activities were a tour of the dental facilities, a television demonstration lecture by Dr. James Braasch on "Prosthodontic Procedure," a noon luncheon, a lecture by Dr. James Bush "Work Simplification Principles" and a lecture by Dr. George H. Moulton on "Factors of Occlusion Fundamental to Crown and Bridge Treatment."

Medical Meeting

The annual meeting of the Medical Alumni Association was held Oct. 27. One hundred fifty-one alumni and guests attended the event.

Charles J. Beck '40MB '41MD, Charles A. Haberele '45MB '46MD, John W. LaBree '40 MB '41MD and James C. Mankey '43MB MD were elected to the alumni association board for three years.

Dr. V. J. P. Lundquist and Eivind Hoff gave a report on the progress of the student center project. They showed slides to illustrate how the project is being presented to various professional medical societies throughout the state.

Edwin Haislet '31BSEd, executive alumni secretary, presented Dr. Lundquist with an official Homecoming tie. Dean Howard re-

SUMMA CUM LAUDE

To men in the news



NOBEL PRIZE WINNER. Melvin M. Calvin '35PhD Chem has won the 1961 Nobel prize for chemistry for "his research on the carbon dioxide assimilation in plants," or — less technically — probing and utilizing the mysteries of plant growth. The prize, which will award him \$48,300, will be presented with others in Stockholm and Oslo on December 10 by the kings of Sweden and Norway. Calvin, after receiving a B.S. degree from Michigan College of Mining and Technology, was a teaching fellow at the University while studying for his advanced degree. He received the University's Outstanding Achievement Award in 1959. Extensively published in his field, he is now on the faculty of the University of California at Berkeley.



A NEW PRESIDENT. Alan K. Ruvelson '36BBA has been named president of the National Association of Small Business Investment Companies, and as such will travel throughout the country speaking and conducting seminars in his field. Founder of the nation's first small business investment company to be licensed under the Small Business Investment Act of 1958, Ruvelson is president of the First Midwest Capital Corporation, Minneapolis, and also heads the family firm of Phil G. Ruvelson, Inc.



DISTINGUISHED PROFESSOR. Dr. Cecil J. Watson '23BS '25MB '26MD '28PhD, professor and head of the Department of Medicine, became the third man in University history to receive the distinguished service award presented by the Minnesota Medical Foundation. For his "exemplary achievements in teaching and research as a member of the faculty and for devotion to the Medical School and the University," he will receive \$5,000 annually until his retirement from the faculty.

ported for the Medical School.

Dr. Wilfred Bushard spoke for the Honored class—the MB's of '36. Regent Charles W. Mayo presented the Outstanding Achievement Award to Dr. Herman E. Drill.

A dance was held following the dinner meeting.

UMD Club Plans

Active interest on a year round basis is the goal of UMD alumni. Events suggested at the recent business-election meeting included Tweed Gallery showings, coffee klatsches following sports events, and other small gatherings.

Heading the ambitious program is new alumni president Robert C. Murray '52. Recipient of the Outstanding Student Athlete trophy, graduate Cum Laude and included in Who's Who in American Colleges and Universities, Murray is now senior procedures analyst in systems and electronic data processing of Oliver Iron Mining Company.

Vice president is Richard Hill, Duluth East high school counselor; secretary-treasurer is Julian Hoshal, university Relations representative, UMD. TV news director, Glenn Maxham heads the program committee.

Minnesota Officers

Pipestone county, Minnesota alumni elected Larence Cunningham, Pipestone, president and Ernest H. Pederson, Willmar secretary-treasurer.

Officers elected by the Willmar alumni club in October were Donald Elmquist, president; Ronald Anderson, vice president; Ernest H. Pederson, secretary-treasurer. The board members are Ronald McCamus, Donald Hedlund and Archie Carlson.

Wisconsin Clubs Meet

The alumni clubs of Eau Claire, Appleton and Evanston met with University officials Oct. 12, 13, 14. Stanley Wenberg, University vice president and administrative assistant; Dr. Virgil J. P. Lundquist,

Minnesota Alumni Association president; and Edwin Haislet, alumni secretary, made the tour. About 85 alumni attended the Eau Claire meeting.

At Appleton a movie of 1960 Hi-Lites was shown to approximately 65 alumni. Dave Warner was the master of ceremonies.

Evanston alumni gathered for a pre-game luncheon and informal program before the Minnesota-Northwestern football game. Leonard Strouse, president of the Chicago area group, spoke. Ed Haislet, Wenberg and Dr. Lundquist made brief comments. About 50 alumni attended.

Washington, D.C.

Acting officers of the Washington, D.C. alumni club are Fred Little, president; Robert A. Forsythe, vice president; C. Herman Welsch Jr., secretary; Milford Juten, treasurer and Victor Christgau, director. Also serving as of November 16 are the following board members, Lee B. Wallerstine, Arthur Blaisdell, Thelma Dreis, Senator Eugene J. McCarthy and Martin Powers.

Special Meeting

The Chicago area club held its Oct. 19 meeting at the Lake Shore Club. In charge of the arrangements were Len Strousse, president and Miles Kanne, secretary. The program consisted of introductions and a Minnesota songfest. President O. Meredith Wilson was a special guest.



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 Washington
 Stanley J. Kronick, '32, Minneapolis
 Robert G. Farmer, C.L.U., '37, Dallas
 Stanley L. Johnsen, '38, Atlanta

Miles W. McNally, C.L.U., '44,
 Minneapolis
 Robert E. Lambert, C.L.U., '49, Boston
 Donald W. Schneider, '49, Minneapolis
 Seward F. Philpot, Jr., '50, Evanston
 Sigurd R. Stangeland, '50, Moorhead
 Richard L. Moses, '53, Minneapolis

Donald L. Schwartz, '55,
 Rochester, Minn.
 Gary C. Zuhlsdorf, '56, Minneapolis
 Consuello B. Smith, '59, Home Office
 Chester D. MacArthur, Minneapolis
 Lars R. Bache-Wiig, St. Paul
 Raymond W. Schultz, Minneapolis
 John J. Huss, Minneapolis

Around and About With the Alumni

'98

Fred Lyman Adair '98 is founder of the Fred Lyman Adair Award to be granted for the best work of original quality related to Human Genetics. The award is to be given biennially, with a stipend of \$2000.

'20

Oliver Melvin Jorgenson '20BA was named volunteer national vice chairman in Montana for the 1962 American Red Cross campaign for members and funds.

Dr. Roy O. Gilbert '20BSE received a tribute from more than 900 employees and hundreds of friends in an open house to mark his retirement as Los Angeles County Health Officer.

'21

Judge Henry N. Graven '21LLB has notified President Kennedy that he wishes to retire August 31 from his regular duties of presiding in the northern federal district of Iowa. He has completed 17 years as U.S. district judge and wishes to give "substantial service in federal district courts in other states as a senior judge."

George W. Swenson '21BSEE retired as the head and professor of electrical engineering at the Michigan College of Mining and Technology after 42 years in college education.

'23

Kenneth H. Sutherland '23MD has been appointed by the Los Angeles County Board of Supervisors to the position of County Health Officer of Los Angeles County, California.

'25

Roy W. Ganfield '25LLB, a former Minnesota assistant attorney general, was named municipal judge of Hastings, Minnesota.

J. Owen Stalson '25BE, management consultant in the insurance field, has become the new publisher of Eastern Underwriter, insurance weekly which has been published in New York since 1907.

'26

Lawrence R. Hafstad '26BEE, vice president of General Motors Corporation, in charge of Research Laboratories, has been elected to The John Hopkins University Board of Trustees.

Marvin C. Rogers '26 participated in the Sixth International Conference of Printing Research Institutes in Elsinore, Denmark, and in the Tenth Anniversary of the German Graphic Arts Research Institute in Munich in May.

'27

Howard C. Ford '20BSEd, an industrial advisor with the U.S. Agency for International Development, has helped the Koreans establish a handicraft industry which has earned more than a million dollars in foreign and domestic markets since it was begun less than three years ago.

'28

E. S. Hartwick '28LLB, vice president of Carnation Co., Los Angeles, has been appointed to membership on the Brand Names Foundation Board of Directors.

'29

O'Neil Sween '29BBA, purchasing and inventory control supervisor in the bakery division of Red Owl Stores, Inc., at Hopkins, Minnesota received a service award and other recognition for having completed 35 years of service with the company.

Dr. Kenneth R. Nelson '29MD, chief medical officer of the United States Coast Guard, has been named St. Louis' new Hospital Commissioner.

'31

Russell E. Gibbs '31MSME will retire as Dean of the College of Engineering at Bradley university at the end of the current school year.

Roy H. Nyquist '32BS '33MD, chief, physical medicine & rehabilitation section, spinal cord injury service, veterans administration hospital, Long Beach, California, has been presented the 1961 John Eisele Davis Award. The award, presented by the Association for Physical & Mental Rehabilitation, cites Dr. Nyquist's distinguished leadership and outstanding service in the field of physical medicine & rehabilitation.

'33

Jack L. Armstrong '33CE was featured by the New York Times as one of their "men in the news." He was cited for his tenacious support of the development of nuclear power for space—a program which ultimately accounted for the launching of the first atomic-powered satellite in orbit, and which may result in even more significant space vehicle launchings. Armstrong recently retired as colonel in the U.S. Air Force and is engaged in private industry in the Los Angeles area.

'34

Alfonzo J. Vrooman '34BME is one of five employees at the U.S. Army Engineer Research and Development Laboratories, Fort Belvoir, Virginia, who have been nominated for the Director's Leadership Medal.

'36

Howard J. Seel '36BME has been named vice president of engineering of the Harris-Seybold division of Harris-Intertype Corporation, Cleveland, Ohio.

'37

Dr. Axel L. Andersen '37BSFor, associate professor of the department of botany and plant pathology, Michigan State university, and senior plant pathologist with the crops research division, U.S. Department of Agriculture, has been elected president of the north central division of the American Phytopathological Society.

N. J. Sundet '37MD has been elected to a six-year term on the Concordia college board of regents in Kadota, South Dakota.

George N. Aagaard '37MD, dean and professor of medicine of the University of Washington, Seattle, was appointed to the National Advisory Heart Council.

Robert H. Hose '37BArch has announced the formation of Robert Hose Associates specializing in industrial design and consultation in Summit, New Jersey.

'38

George T. Piercy '38BChemE has been appointed executive assistant to the president of Standard Oil Company, New Jersey.

A. H. Dysterheft '38MD, medical director for southwest forest industries and administrator of the McNary Hospital, has been appointed to the Arizona Board of Medical Examiners by Arizona Governor Paul Fannin.

Harvey E. Steiger '38 MS has joined Monsanto Chemical Company's personnel and administrative services department in St. Louis, Missouri as manager of training.

'39

William M. Dolan Jr. '39BBA, Minneapolis, was elected to a three-year term of the governing council of the American Institute of Certified Public Accountants.

James W. Geiger '39BA has been named assistant to the director of purchasing for Philip Morris Inc., New York, N.Y.

Col. Carl N. Ekman '39MD of the U.S. Army Medical Corps is retiring after 22 years of service to enter private practice in Tacoma, Washington. He is presently Chief of the Gastroenterology Service and Assistant Chief of the Department of Medicine at Madigan General Hospital in Tacoma.

'40

N. E. Erickson '40BSAeroE has been appointed aerogeneral manager at the Nevada test site operations for the Nuclear Engine for Rocket Vehicle Application program. He and his family reside in Las Vegas.

Jack Brewer

Class of '35

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Otto P. Otteson '41MA has been appointed to the rank of Captain in the U.S. Naval Reserve by President J. F. Kennedy. In his civilian capacity, Captain Otteson is director of the naval personnel management orientation program of the bureau of naval personnel, navy department, Washington, D.C.

Julien V. Petit '41MD, Minneapolis internist, has been elected chief of the medical staff at Fairview Hospital.

Janet L. Erickson '41BSN, staff member of the San Francisco Medical center, has received the University of California distinguished teacher of the year award.

Dr. V. P. Wystrach '41BChem is now at

Cambridge University, London, England, for advanced study in inorganic and coordination chemistry. He received the 1961 Cyanamid Senior Award, enabling him to study abroad for one year.

Leonard A. Nesgoda '41BMEE, Drave Corporation, engineering works division, Pittsburgh, received a \$250 award from the Lincoln Arc Welding Foundation for a professional paper which he presented.

J. Edward Quest '41BBA, formerly president of the Unipress Company and the Quest Manufacturing Co., both of Minneapolis, has been named manager of the Minneapolis office of Marine Capital Corporation of Milwaukee.



William Johnson '41BA is home on leave from Korea where he has been an agricultural advisor with the U. S. Agency for International Development (AID). He and his wife who also works for AID will return to Korea for another two-year assignment. (see photo)

'43

Robert G. Tinkham '43MD has been appointed a resident in physical medicine and rehabilitation in the Mayo Foundation at Rochester, Minn. The Mayo Foundation is a part of the Graduate School of the University of Minnesota.

Walter Wolman '43PhD has been appointed director of the department of mental health of the American Medical Association.

'44

Robert L. Meuleners '44BSChemE has been appointed chief engineer at the American Oil Company's general engineering department in Whiting, Ind.

'45

Berton E. Brown '45BSChemE has been appointed head engineer at American Oil Company's general engineering department at Whiting, Ind.

Edward M. Litin '45MD, a member of the section of psychiatry of the Mayo Clinic, was a guest lecturer at the University of Missouri School of Medicine, Columbia in October.



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'47

Kenneth G. Anderson '47MSAere has been named a director of Imperial Fund. He was formerly a project engineer and lecturer at the University of Minnesota department of aeronautical engineering and has been a research division director at Washington Machine & Tool Works Inc.

Earl J. Lockhart '47BBA, Duluth, was elected director of the Association of Certified Public Accountant Examiners at the organization's annual meeting in New York City in October.

Elmer W. Grunow Jr. '47MA has been appointed manager of commercial research department of the American Oil Company in Chicago.

'48

Michael C. Finn '48BBA has been appointed manager of the Michigan sales district of General Electric. His headquarters are in Detroit.

'49

George F. Humphrey '49MA has joined the trust department of the First National Bank of Minneapolis to work in the business development area.

'50

Wesley C. Borgeson '50BME, former project engineer at General Mills, Inc. and Crestliner, has been named balloon project engineer at the G. T. Schjeldahl Company, Northfield, Minnesota.

Cyril D. Evans '50PhDag, a biochemist at the U. S. Department of Agriculture's Northern utilization laboratory, Peoria, Ill., presented two papers at the annual fall meeting of the American Oil Chemists' Society in Chicago.

Melvin L. Nelson '50BSCE has been appointed senior staff engineer at American Oil Company's general engineering department in Whiting, Ind.

A. L. Nienaber Jr. '50BA has been promoted to chief cost accountant by the Revere Camera Co., Chicago. He and his family reside in Lombard, Ill.

Roger W. Strassburg '50PhD has been named manager of research operations at the B. F. Goodrich Company's research center, Brecksville, Ohio.

'51

John B. Clark '51BACE has been appointed senior research supervisor at the Whiting, Indiana, laboratories of the American Oil Co.

Dr. Walfrid J. Jokinen '51BA has been named chairman of the department of sociology and the head of the department of rural sociology at Louisiana State University, Baton Rouge.

'52

McRae D. Johnson '52BAgE has been named technical product manager for reflective liquids and pavement marking materials in the reflective products division of Minnesota Mining and Manufacturing Co.

William R. Miles '52MSFor BSFor has been made state extension forester at the University of Minnesota School of Forestry, Duluth.

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John D. Tomlinson '52BSChem was promoted manager of the general production division of Minnesota Mining and Manufacturing Co. in St. Paul.

'53

Blaine Cooke '53PhDEcon has been named market research manager for the Lincoln-Mercury division of the Ford Motor Company in Dearborn, Mich. He and his family reside in Ann Arbor, Mich.

Franklin E. Roth '53PhD has been promoted to manager of Schering Corporation's department of general pharmacology Bloomfield, N. J. He and his family reside in Livingston, N. J.

'55

Edwin E. Stevens Jr. '55BA has been named district scout executive of the Lake Superior Council of the Boy Scouts of America. He and his family are living in Duluth.

'56

Walter V. Hohenstein '56PhD has been named assistant director for Korea, Far East Division, in the University of Maryland's overseas program.

Dean Spahr '56MBA, U. S. Army Lt. Col., was graduated from the senior officer nuclear weapons employment course at the Command and General Staff college, Fort Leavenworth, Kan.

'57

Mrs. Ronald C. Johnson '57BSChem is teaching at the Georgia Institute of Technology, Atlanta, Ga. She and her husband reside in Decatur, Ga.

Richard D. Cunningham '57MD has been appointed a resident in ophthalmology in the Mayo Foundation in Rochester, Minn.

Paul A. Jensen '57MD is serving as a resident in obstetrics and gynecology in the Mayo Foundation at Rochester, Minn.

Byron J. Greenwood '57BA has been appointed supervisor, procedure division, for United States Steel's Oliver Iron Mining division, Duluth.

Hak-Mook Kim '57MSW who was instrumental in setting up a school of social work at the National University of Seoul, Korea, attended a meeting of the Red Cross board of governors in Prague, Czechoslovakia. He visited Twin Cities Red Cross agencies and the University while enroute home.

LaVonne Bergstrom '57MD, former associate medical director of Embudo Presbyterian Hospital, Embudo, N. Mex., has been appointed physician at the Sangre de Cristo Medical Unit, San Luis, Colo.

'58

Gerald J. Anderson '58MD has been named a resident in anesthesiology in the Mayo Foundation at Rochester, Minn.

Alan A. Peterson '58MD is serving as a resident in internal medicine in the Mayo Foundation at Rochester, Minn. '59

Dale L. Anderson '59MD has been appointed a resident in plastic surgery in the Mayo Foundation at Rochester, Minn.

Donald E. McCannon 58PhD '57MS, chairman of Trinity university's geology department, has completed a translation of a Russian textbook, "Dikes and Ore Mineralization," which he began in 1960 as part of a grant from the National Science Foundation to the American Geo-Chemical Society of America. He lives in San Antonio, Tex.

Joan G. Kilpatrick '59BA has been named to a labor education position at West Virginia university, Morgantown, West Virginia.

'60

P. S. Bhargava '60MSDSur has been appointed as pool officer by the Council of Scientific and Industrial Research, Government of India. He and his family live in Lucknow, U.P., India.

Peder N. Bloom '60BA has been granted a four-year graduate study and

teaching fellowship at Victoria University and Wellington Teachers College, Wellington, New Zealand.

Phyllis Gage '60BA is a graduate assistant in the University of Oregon's English department, Eugene.

Donald Strei '60BA has joined the staff of the Pipestone County welfare department as a case worker.

Capt. Ronald V. Vilella '60MD is serving as a resident in pathology on the staff of Tripler General Hospital in Honolulu, Hawaii.

'61

Joyce Ahrens '61BA is a graduate assistant in the English department of the University of Oregon, Eugene.

Bonnie J. Christoffersen '61MSNur has been appointed an instructor in nursing and health at the University of Cincinnati Medical Center.

Barbara Dusek '61BA has been appointed by the Hennepin County Department of Court Service as a probation officer in the juvenile division.

John Bernard Rosandich '61ChemE has joined the staff of Esso Research and En-

gineering as a member of the project engineering division. His home is in Elizabeth, N.J.

Robert W. Jorgenson '61MSME '59-BSME joined the Trane Company, La Crosse, Wis., as a product development engineering.

Deaths

'96

Dr. Winfred Benjamin '96DDS, longtime Minneapolis dentist, died November 3. He was a life member of the Minnesota District Dental society and of the American and Minnesota dental societies. He was also a member of Wesley Methodist Church and the Old Guard.

'99

Mrs. E. C. Loetscher '99MS BS, who taught in the high school at Cannon Falls, Minn., and the South Dakota State normal school at Madison, S. Dak., died in October at Dubuque, Ia. She was active in state and national women's organizations.

'06

Dr. Amos S. Wells '06MSDSur, professor emeritus of the University of Minnesota dental school, passed away November 10. He was a fellow in the American College of Dentistry, a member of the London Royal Society for Promotion of Health, and a member of the American, state and district dental associations.

'08

Alice Winter Remer '08BA died in Berkeley, Calif., in August. She is survived by her husband, Dr. Charles F. Remer, professor emeritus of the University of Michigan.

'08

Ruth Johnson Vann '08BA passed away in March, 1961, in Boulder, Colo.

'10

John F. Courtney, '10BSPHm, druggist in the St. Paul area until his retirement in 1956, died in St. Paul in November. He was a member of the Minnesota Pharmaceutical association and the St. Paul Elks lodge. He is survived by his wife.

'13

Dr. H. C. Nelson '13DDS, longtime St. Paul dentist, died in November. He had practiced dentistry since 1913 and taught in the University of Minnesota dental school until 1956.

'13

Mrs. Eunice McGilvrea Erdahl '13BA passed away in November in Minneapolis.

'16

Richard J. Lewis '16BA of Eau Claire, Wis., died December, 1960.

Dr. Roland G. Keyworth '16DDS, retired St. Paul dentist. He received the University of Minnesota's Outstanding Achievement Award in 1951. He was a life member of the St. Paul District Dental Society, the Minnesota State Dental

Jumping Generations!

Charles M. Baudrye '61BChem E has joined the staff of Esso Research and Engineering Company. Mason Baudrye, reported incorrectly in the November News to have joined that company, is the father of the young man recently employed. It's all in the University family, but the facts are a generation apart!

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Association and the American Dental Association. He was a past president of the state dental association and the Minnesota Dental foundation. He was the first editor of the Journal of the Minnesota Dental Association. He is survived by his wife.

'17

Roscoe Tanner '17 passed away last July.

'20

Frank C. Kracek '20BSCHEM passed away in Eastchester, N. Y., last July.

'21

Mrs. Verna Thompson Olsen '21BA, teacher in the Minneapolis public schools for 35 years, passed away last July.

'22

Locksley D. Berg '22MA, Minneapolis and Monroe grade school principal for 20 years, died in November. He had been a member of the board of directors of the Pillsbury citizens service. His wife survives him.

'23

Luke J. Gallagher '23BMinE, a Fari-bault businessman for nearly 40 years, died in September. He was a member of the University football teams under Coach Williams and Coach Bill Spaulding. He was a partner in the P. J. Gallagher and Sons plumbing and heating firm. He was active in civic, business, church and fraternal organizations. Survivors include his wife and a daughter.

'24

Charles Sawyer '24LLB '22BA, retired Minneapolis attorney, died this fall in Minneapolis. He retired as city attorney last spring and joined a local law firm. And was retained by the Minneapolis school board as its legal counsel. His wife, one son and two daughters survive him.

Clifford A. Taney '24LLB, with the law firm of Fowler, Younquist, Furber, Taney and Johnson from 1925 to his retirement in 1955, passed away October 29, in Minneapolis. He served in the army during World War II and retired as a lieutenant colonel. He is survived by his wife.

'27

Edward J. Ovshak '27BSB, retired employe of the Mueller Clematroll Co., passed away in Minneapolis in October. He is survived by two sons.

'30

Dr. George L. King '30MD, a St. Paul resident for 35 years, passed away in November. He practiced medicine in St. Paul for 25 years and had been chief of staff at St. John's Hospital. He retired in 1950. He was a member of the American Medical Association, Minnesota Medical Association and Ramsey County Medical Association. He belonged to the Hazel Park Masonic lodge, Osman temple and Scottish Rite. His wife and a son survive him.



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'31

Dr. R. Alfred Mackdany '31DDS, a Mankato dentist, passed away in October. He was a former president of the Southern Minnesota Dental Association, a veteran of World War II and a member of civic and fraternal organizations. Survivors include his wife, a son and a daughter.

Ruth Anne Olson McConnell '33BA '43MA died on September 23 in Birmingham, Michigan. One of the first students of University College, she graduated Summa cum Laude and member of Phi Beta Kappa. Extremely active on campus, she was tapped for several honorary societies, belonged to many student organizations and was on the editorial board of the Literary Quarterly. A teacher of high school English before and after her marriage to H. John McConnell, she also remained active throughout her life in civic and church work. Surviving are her husband and son. In tribute to her, written by a friend, she was described as "a scholar, a teacher, a writer, a lover of persons . . . a gifted woman with a rare capacity to give."

'35

Mrs. Lois McRae Johnson '35BBA passed away in Minneapolis November

14. She was the wife of Clinton T. Johnson, University treasurer and assistant vice-president of business administration. She was a member of the Faculty Women's Club and the St. Anthony Park Congregational Church. Survivors include her husband, a daughter and a son.

'36

William Sturm '36BME, director, secretary of the board and chief mechanical engineer with Ellerbe & Co., St. Paul architectural firm, died in October. He was a member of Theta Chi fraternity, the American Society of Heating, Ventilating, Air Conditioning and Refrigeration Engineers, past president of the society's Minnesota chapter, and a member of the St. Paul athletic club. Survivors include his wife, a daughter and two sons.

'38

Dr. Ben Sommers '38MD, St. Paul internist, died in October. He was an assistant professor of medicine at the University of Minnesota. He was a charter member and vice-president of the Northern Association for Medical Education, which seeks to establish a medical school in St. Paul. His wife and four children survive him.

'40

Milton H. Kuhlman '40MA, superintendent of the Edina-Morningside schools

for 12 years, died in Edina, Minn., in October. Prior to becoming a superintendent, he taught at Stillwater high school and was principal at St. Louis Park high school. A World War II veteran, he was active in a number of professional, civic and fraternal organizations. He is survived by his wife, a son and a daughter.

'49

Mrs. Louella Baehr '49BA, head librarian of Milwaukee Downer College since 1953, passed away in July. She was a member of the American Library association and Wisconsin Library association.

Dr. Thomas C. Wilder, a member of the surgical staff of the Rockwood Clinic, Spokane, Wash., in October. He served in Mayo Foundation, the Medical Corps of the U. S. Naval Reserve and the surgical staff of the Mayo Clinic. He was certified as a specialist in surgery in 1950 by the American Board of Surgery, Inc. He was a member of the American Medical Association, the Washington State Medical Association, the Nu Sigma Nu medical fraternity and the Alumni Association of the Mayo Foundation. He is survived by his wife and four children.

'57

James H. Ohman '57BS, Lt. U. S. Marine corps, was killed in a car accident in Spain. Survivors include his wife and three children.

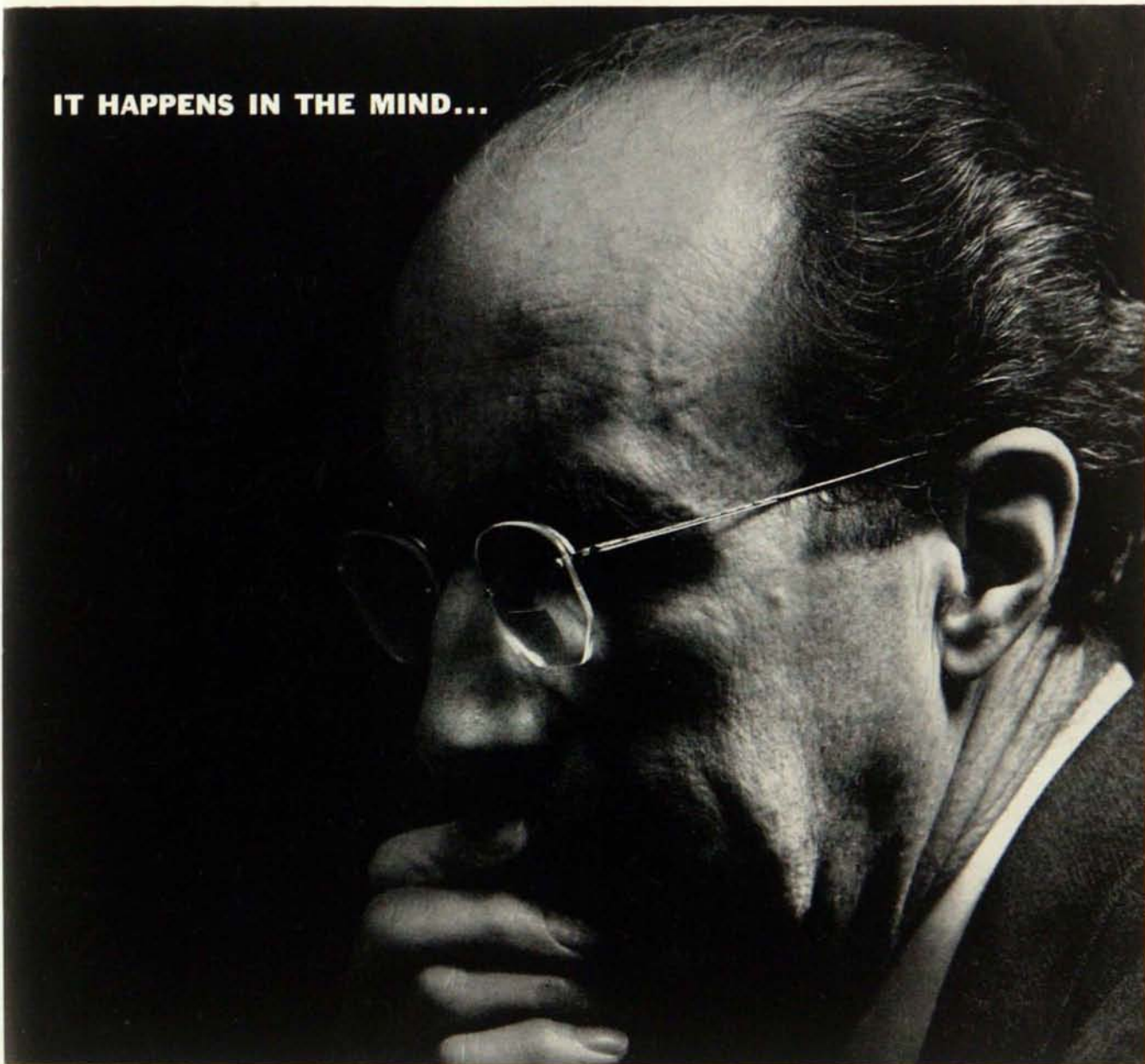
—FACULTY—

Dr. Edward C. Thiel, an assistant professor of geophysics, was killed in a plane crash while on a research flight over the Antarctica. He had been awarded a \$42,960 grant by the National Science foundation for polar research. He received bachelor and doctorate degrees from the University of Wisconsin. He was a member of the American Geophysics Union, the Society of Exploration Geophysicists, the Seismology Society of America and the Arctic Institute of North America. He is survived by his wife who is a graduate student at the University.

Dr. Edgar D. Brown, former professor of pharmacology in the University of Minnesota School of School of Medicine, passed away last August in Paynesville, Minn. He received his MD at Western Reserve University in Ohio and his pharmacology degree at the University of Chicago. He came to the University in 1906 and organized the department of pharmacology where he was a professor until his retirement in 1937. He served in the U. S. Medical Corps during World War I. Survivors include two sons and a daughter.

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THE UNIVERSITY OF MINNESOTA

ALUMNI NEWS

JANUARY
1962

• Art on
Campus

• CAMP MINNESOTA
UNIVERSITY SPENDING
REORGANIZATION



Continuing the Minnesota Alumni Weekly which was established in 1901, the Minnesota Alumni Voice and the Gopher Grad. Published monthly from October through June by the Minnesota Alumni Association, 205 Coffman Union, University of Minnesota, Minneapolis. Member of the American Alumni Council.

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COVER STORY

"Dröbsdorf I" (detail), painted by Lyonel Charles Feininger — American, 1871-1956 — is the property of University Gallery. The painting was acquired by the University in 1939, soon after the Gallery was established. Now one of many original works of art, it is a part of a program of education as well as an object for appreciation. The story, following that of "artists on campus," is on page 18.

* * *

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Realism, Insight

Editor:

As a graduate of the University of Minnesota (Ph.D. 1953) I would like to congratulate you on the very fine November 1961 issue of the *Alumni News*. The article by Professor Nixon was particularly timely and penetrating in its realism and insight. More contributions of this calibre in journals which circulate outside the United States would help to increase confidence among your friends abroad that the best in the American tradition is still a significant influence in U.S. policy.

Lewis H. Thomas
Assoc. Professor of History
University of Saskatchewan

Victorious Defeat

Mr. Haislet:

The defeat of the Gophers by Wisconsin was the biggest fluke since the Pirates defeated the Yanks in the 1960 World Series. Even though the objectives were not achieved, the Gophers and General Hannibal are still victorious in defeat.

Commendations are in order for the Minnesota 1961 football team and coaches. The human body is a delicate organism. No team can win them all when the players are not physically up to par . . .

Now that football insanity is over for a few months I would like to impress upon the national and international friends of the University of Minnesota that the school has a faculty that has no equals, over 2 million volumes in the library whereby much can be learned, including how to: conduct diplomatic negotiations, husband the soil, compute the 64th power of 2, mix up a little mortar and butter some bricks. All these and many more can be used in the every day battle for some meat and bread.

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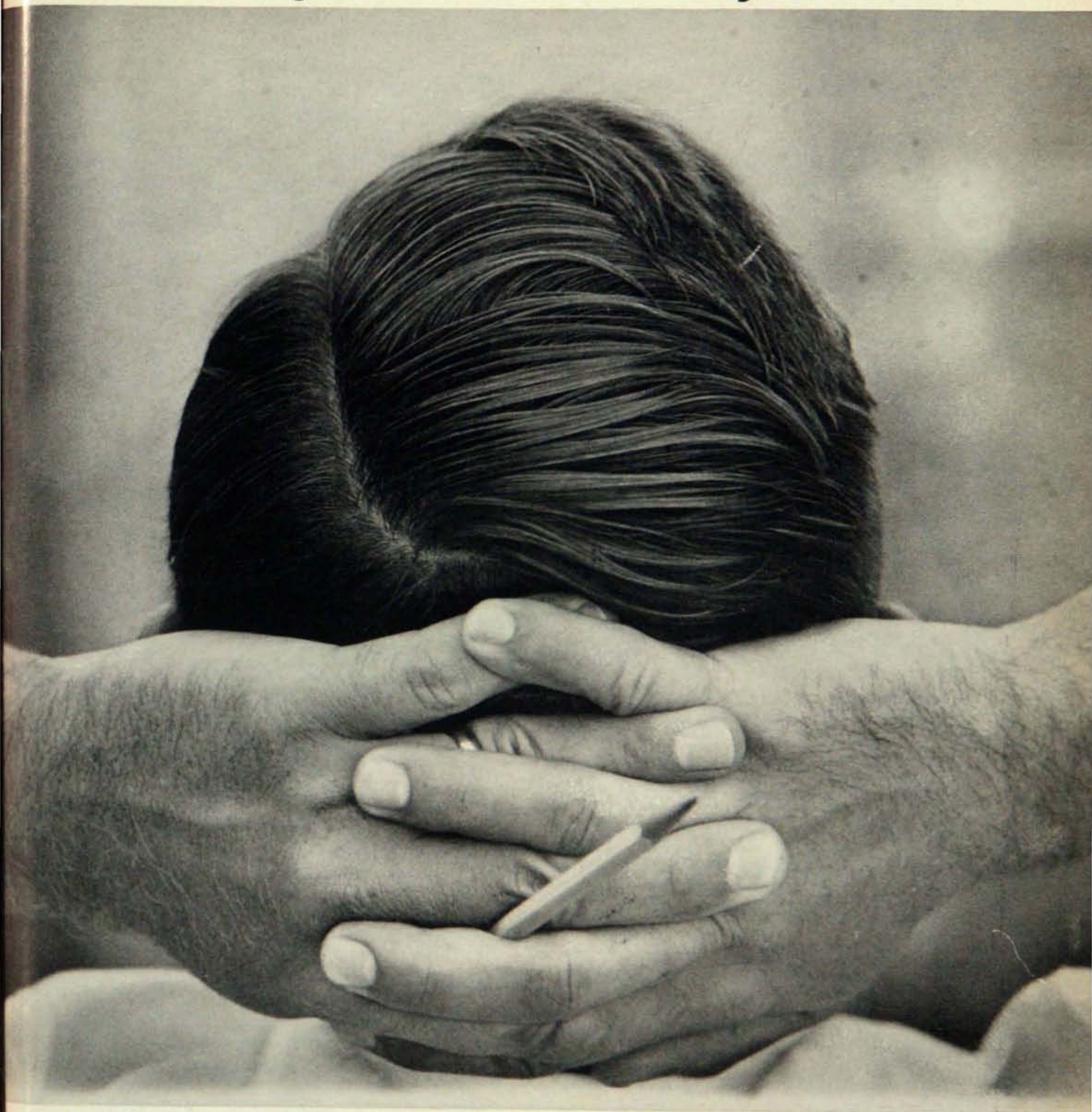
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A first and last outpost, standing where man had never walked before—
Camp Minnesota
is humanity's only mark on a range of man-forsaken mountains of the unexplored Antarctica.

U.S. Navy photo



Man's first view of the Jones Mountains — barely peeking through heavy clouds. Photo was taken during flight by Theil and Craddock.

The Antarctic — vast, uninhabited, shrouded in ice that covers even more deeply the mysteries of the continent — is the largest area in the world unknown to man.

Much of the continent has never been glimpsed; most of it has never been touched. But University geologists are among the few men who have made this area a field for active study, and have done so at the cost of personal sacrifice, danger and hardship.

First in 1959, University geologists went into the field. Three Minnesotans joined a party of scientists in a geological-geophysical airborne traverse along the 88th meridian west. Their purpose was to test the possibility that a "trough" might connect the Ross and Wendell Seas; such a trough would actually cut the continent in two.

In the course of the study, a flight was made late in January, 1960, along the Thurston coast, northeast of Byrd Station. During this flight a mountain range, small but strategically located along the Eights coast, came into view. The sighting and discovery of that

range, later named the Jones Mountains, is credited to the late Dr. Edward C. Theil, University geophysicist, and Dr. Campbell Craddock, University geologist and director of the University's program of Antarctic geologic research.

The challenge of those mountains, briefly sighted and entirely unexplored, and their significance in piecing together the geology of west Antarctica, spurred plans for an expedition to be made during the 1960-61 season.

Campbell Craddock returned to campus in March and, with financial support from the National Science Foundation, office of Antarctic programs, prepared a party to leave late the following November.

Six geologists, a physician and a topographical engineer from the U.S. Geological Survey (USGS) were to accompany him. Their mission was to find evidence that might help answer several broad questions: (1) Are the mountains of west Antarctica an extension of the Andean ranges of South America; (2) what is the nature of the junction between east and west Antarctica

Camp Minnesota — one Jamesway hut and four tents.





Preparing for a field trip, a member of the party loads the sled which will carry all of his tent, clothing, food and fuel.

Dr. Campbell Craddock, director of the University's Antarctic research program and leader of the 1960-61 party is shown in Jamesway hut — messhall and working quarters.



Under weather attack (below) the Minnesotans were kept in camp during three such storms.



*Camp
Minnesota*

— areas distinctly different in geology; (3) does the active earthquake and volcanic belt which lies around the rest of the Pacific basin continue across Antarctica; (4) how does Antarctic geology gear on such theories as “continental drift” and climatic change?

By early December nine men had reached McMurdo Sound, the principal American staging base for Antarctic expeditions. Besides Craddock, the party included Robert Rutford, Thomas Bastien, Thomas Miller, Paul Schmidt, John Splittstoesser and Gerald Webers — University graduate student-geologists; Dr. Raymond Bonnabeau, Jr., resident of University Hospitals; and Joseph Anderson, USGS engineer.

The men were relatively inexperienced for what lay ahead. Though common to all of them was a short training session in mountain climbing techniques, taught in the Tetons of Wyoming.

On December 9, five men preceeded the others to the Jones and from there were flown 560 miles to their objective near the Eights coast. Left alone in the strange, stark land, the initial party began their first project — scraping and shoveling a 3,000 foot runway out of the icy terrain. That finished, a radioed message brought the rest of the men and equipment flying in on two four-engine, Hercules transports.

The successful landing of those Navy planes set two precedents: the 3,000 statute mile round trip was the longest logistic flight in Antarctic history in support of a scientific or military endeavor; this was the first landing made by such transports “in the field” away from a regular base airstrip. Both accomplishments open the way to more extensive and versatile use of these planes for future expeditions.

For three days after the departure of the planes, Camp Minnesota was under construction. The “permanent” facilities of the camp included a 16' × 16' Jamesway hut — a wooden skeleton covered with canvas, and four tents.

The Jamesway provided working space, a mess hall, and occasionally an emergency shelter from storms. The four tents were used for sleeping quarters. The whole camp made one tiny dot on the surface of the icecap just north of the central Jones Mountains at exactly 73°28.2 South, 94°24.5' West. From this location trail parties went out one at a time, three men to a party, to establish camps in remote parts of the range, while the others made daily trips to rock exposures near the main camp.

Three eminent dangers faced the men: storms, “white-out” and falling.

Antarctic ground blizzards may be triggered by winds of 20 miles an hour that whip the surface into a frenzied storm. Visibility may approach zero, though not a flake of new snow falls. Three such storms hampered the party.

“The worst,” said Craddock, “brought winds of about 80 miles an hour. It got ‘pretty exciting’ in the Jamesway where we sat it out. We were kept in camp for about a week.”

The second danger, “white-out” is caused by clouds

dropping to surface of the snow. The horizon disappears in a sea of white shadows vanish and men feel suspended in space without a sense of direction. Low flying cloud layers were always an ominous warning for caution in leaving camp; for “white-out” increases the already existing third danger — falling.

“Most of us,” recalls Craddock, “fell into something, sometime during the season.”

Drifting snow and surface ice cover most of the surface of the land, and, of course, covers the numerous crevasses. Natural snow “bridges” may be safe or may not. The only sure way to test a surface is to poke it or walk on it. Poking every inch of the way, says Craddock, “just isn’t practical.” So under ordinary circumstances the men used judgment and a light step, and in obviously dangerous areas, roped themselves together.

“Living off the land” in the Antarctic is impossible; the land away from the coast provides nothing. On this continent — the only one with no indigenous population — man must bring all supplies with him and must carry them wherever he goes. Craddock’s party did this in the most primitive way by man-hauling sleds.

As the term implies, the technique is simply to walk and pull. For an average eleven-day trial trip each sled is loaded with about 150 pounds of supplies — food, tent, fuel and clothing. Weight lost as supplies are consumed is approximately replaced by the addition of geological samples taken in the field. On a flat stretch of land, man-hauling is hard work; but on a warm day when the snow is wet and the path lies straight up an irregular surface, loads go ahead very slowly, one at a time, pushed and dragged by a full three-man-power team. One party made only three miles during such a grueling eight hour day.

Improved transportation may benefit current and future teams going into the field; for motor tobaggans have been tried and found suitable for much of the terrain. These tractor sleds reach speeds up to 30 miles an hour and carry loads of up to one ton.

The men found other strange deviations from normal routine; perhaps the strangest was the never-setting sun. During the entire summer field season the sun is in full view for twenty-four hours a day. Arriving in this “land of light” men sort themselves into “night” and “day” people. At the permanent bases such as McMurdo Sound, four means meals a day are served. Whim or appetite may prompt a man to eat any three or all four — any of which may be considered breakfast, lunch or dinner. A night’s sleep may begin at 4 a.m., noon, or 10 p.m. In the field there must be some routine, but daylight plays no part in marking it.

But despite change, chance and some misfortune the party completed their intended Jones survey. The mountains were found to be a linear series of snowy peaks extending about 40 miles in a northeasterly direction. The exposed rocks, according to Craddock, can be considered in two groups. “A faulted basement

complex of unknown age consists of granite, felsite, basic dikes, and intermediate rocks of possible volcanic origin. These rocks are truncated by an erosion surface of low relief and overlain unconformably by a thick, geologically young volcanic sequence of olivine basalt flows, tuffs, and agglomerates. The elevation of the icecap is markedly higher southeast of the mountains, and all these exposed rocks are being eroded by the glaciers that flow northwest across the range. The discovery of 'continental' rocks below the lavas demonstrate that this part of the continent is more than just a sequence of snow-capped oceanic volcanoes as some have suggested."

Besides geological specimens, other random but significant items were discovered and recorded, and the first mappings and systematic meteorological recordings were made. Lichens and moss specimens were collected from rock outcrops, and at the unexpected discovery of a small pond, a sample of organic matting was taken from the bottom.

A few signs of animal life were seen. An important nesting ground for white snow petrels was discovered in the cliffs just two miles from Camp Minnesota. Eight squa gulls were observed and five were snared and banded. At the peak of a prolonged blizzard, camp residents received their first and only native caller—an Adelie penguin who spent ten hours with them before disappearing again into the storm.

Their project finished, the Minnesotans were evacuated from the camp to Byrd Station on January 22, 1961; but they had left behind their mark of human visitation. Camp Minnesota stood to welcome guests a few weeks later when, early in February, a party from the University of Wisconsin used the camp as terminal point of an oversnow traverse from Byrd Station. Soon, however, the camp will exist only in memory and history. Having served a purpose as shelter during the study of its locale, the camp has now been abandoned to the storms of the Antarctic. A recent traverse party which occupied the camp for a few days in November of 1961, reported that already, a large sled-building had blown away during the winter.

But the camp was, after all, only one small, though key part of Antarctic research. The interest of the University geologists is not shortlived nor shortsighted.

Upon the party's return, new plans were immediately underway for the current 1961-62 season. These plans as did the first, stem indirectly from discovery made from the air.

An incredible trip, an incredible discovery are attributed to a lone adventurer and his pilot, who in 1935 flew a fragile monoplane over the Antarctic. Lincoln Ellsworth, having shipped an airplane to the shores of the Antarctic below South America, took off over territory considered dangerous even by modern aviators. He flew across mountains then uncharted and unknown, landed four times on the polar icecap, and ended his journey safely, 2,300 miles across the

(Continued on page 25)



In the field one of the men climbs a slope typical of the mountainous terrain.



Two field travelers take time out for lunch.

Memo

TO: Members of the Association
 FROM: The Executive Director
 SUBJECT: Almost A Hundred Million Dollars A Year.

The cost of operating the University of Minnesota last year (1960-61) was almost a hundred million dollars. To be exact, \$99,915,799.95. This is \$738,173.03 more than the first year of the biennium (1959-60.)

The major source of income for the University support is legislative and state funds, 37.8% down slightly from 1959-60. Other sources of income that dropped slightly during the year are fees and receipts, 17.3% and University services and revolving funds, 16.1%. Sources of income that showed a slight advance are trust funds, 11.8%; Federal Government, 4.3% and from Intercollegiate Athletics, 1.7%.

Of expenditures, by far the greatest amount went for instruction and research, 39.6%. This is off slightly from the previous year.

The summary of sources and expenditures during the last fiscal year and in comparison to the previous year are as follows:

SOURCES OF UNIVERSITY INCOME

	1959-60	Percent	1960-61	Percent
From the State	\$34,528,803.31	38.3%	\$37,705,547.98	37.8%
From Trust Funds	20,265,209.92	22.5%	22,781,979.60	22.8%
From Fees and Receipts	16,228,815.94	18.0%	17,296,674.64	17.3%
From University Services and Revolving Funds	15,243,194.78	16.9%	16,187,501.59	16.1%
From Federal Government	2,659,035.91	2.9%	4,301,271.13	4.3%
From Intercollegiate Athletics	1,254,107.20	1.3%	1,642,152.76	1.7%
	<u>90,177,067.15</u>	<u>100.0%</u>	<u>99,915,127.70</u>	<u>100.0%</u>
Free Unencumbered Balance	4,257.93		3,698.56	
	<u>\$90,181,325.08</u>		<u>\$99,918,826.26</u>	

EXPENDITURES FOR UNIVERSITY OPERATION

	1959-60	Percent	1960-61	Percent
For Instruction and Research	\$37,299,745.15	41.3%	\$39,596,821.46	39.6%
For Physical Plant Extension	9,393,526.76	10.4%	7,071,288.38	7.1%
For Trust Funds	18,639,952.88	20.6%	20,470,392.00	20.5%
For University Services and Revolving Fund	13,721,655.65	15.2%	14,355,435.65	14.4%
For Physical Plant Operation	4,673,999.72	5.1%	4,719,233.05	4.7%
For General University Administration	3,691,127.78	4.1%	4,136,439.88	4.2%
of University	2,147,001.86	2.3%	2,236,839.83	2.2%
For Intercollegiate Athletics	1,181,362.63	1.3%	1,642,214.69	1.6%
For Transfer and Adjustments	-570,745.41	-.4%	5,687,134.62	5.7%
	<u>90,177,626.52</u>	<u>100.0%</u>	<u>99,915,799.55</u>	<u>100.0%</u>
Free Unencumbered Balance	3,698.56		3,026.71	
	<u>\$90,181,325.08</u>		<u>\$99,918,826.26</u>	

(Continued page 25)

plans, opinions, "feathers" fly as a prelude to--

Reorganization

A long awaited storm broke on June 1, 1961. Reproussions are still sounding and new discussions are still on the agenda concerning the most controversial issue to hit the campus in a decade. The issue: reorganization of University, or "redeployment of basic disciplines."

By request of President Wilson, a movement for major reorganization began more than a year ago. Assigned to study the matter and make recommendations was the University Senate committee on education. Their specific charge was to consider "the most appropriate organization of the natural sciences within the University, and to study the implications for the remainder of the University of any proposed reorganization."

Such directions from the President were prompted among other factors by "requests of three departments to shift out of the college of science literature and the arts (SLA) and to align themselves with scientific departments."

In June the committee reported.

The startling core of their recommendation was to "replace the traditional liberal arts college as the core of the university," and to find "new organizational structures."

This proposal was reached through consideration of three alternatives: (1) Group the natural sciences together in a division within SLA; (2) relate them to the professional schools or colleges; (3) bring them together in an autonomous institute of science. "The choice," states the committee report "among these alternatives, each one of which has merit, claimed a very substantial portion of our time."

But choose they did with the following considerations influencing the decision:

● It seemed clear that the academic disciplines within the University should be grouped together in organizational units with particular regard to the interrelatedness of their subject matter and methodological concerns, the similarity of their budgetary requirements, and the need for an administrative leadership which is especially familiar with those concerns.

● Any reorganization of the University should provide that there be a common requirement to be met by all students seeking a baccalaureate degree from any unit of the University. This does not mean that this common requirement should consist of a list of courses, but rather that each graduate of the

University shall pursue some coordinated studies in each of the major divisions of the basic disciplines.

● The responsibility for developing and maintaining distinguished undergraduate instruction and curriculum, including an effective program of studies leading to the B.A. degree, should be vested in an administrative officer who might be variously designated as dean of the University College, dean of Liberal Education, or dean of Undergraduate Instruction.

● The "faculty" for any college or professional school need not be and usually should not be simply the faculty of those departments located within the college, institute, or professional school for budgetary purposes, but should be drawn from all departments or units offering courses included in the curriculums of such educational units.

The natural sciences should be brought together, the committee concluded, "in a single, autonomous institute under an administrative officer who is fully cognizant of their problems and potential. This institute would include astronomy, botany, geology, mathematics, and physics which are now in the Institute of Technology.

Further, the committee recommends that "the humanities and social sciences, including economics, also be organized into separate institutes, each with a dean . . . In any case, reorganization of the present College of SLA and some important changes in the Institute of Technology and the School of Business Administration, are called for by the establishment of an autonomous Institute of Natural Sciences."

With some further elaboration on the basic proposals, the committee recommended deferral of action until the President might explore the full implications of such action. They did so "with reasonable confidence in the soundness of our (committee) judgments, but without any feeling that we have spoken the last word on the subject at hand."

They had in fact spoken only the first word — and probably the least impassioned. For their disciplines, their college, or simply for themselves, the faculty members spoke out. The following excerpts were published in *Inform*, the bulletin of the American Association of University Professors:

" . . . I must do what I can to let people know why I consider the proposed reorganization a step backward rather than a step forward.

(Continued page 26)

Artists on Campus

Frederick Scheetz Jones, former dean of the college of engineering would be surprised if not shocked to see the scene that enlivens the building that bears his name today. When Mr. Jones left the campus in 1909, he left his then new physics hall in the hands of engineers. But in 1947 the front door was relabeled: "Department of Art."

Not many years ago, the artist was left by the collegian to his garret, his island or wherever, according to stereotype, an artist was supposed to be. He was *not* to be found in college classrooms unless fate had placed his name among the notes of a scholar — an art historian.

Such a scholar is no less revered today, and rightly so, for he is a keystone in programs of education in the arts. But at last, the creative artist has been asked to join him; the invitations to campus coming notably from land grant colleges and universities — among them, the University of Minnesota.

In the 1940's art instruction on this campus was torn among several schools and departments — education, SLA, architecture and engineering. Each course was geared to the vocational needs of the individual department. Courses in art history were simply an outgrowth of the traditional classics taught in SLA.

In 1947 reorganization occurred which amalgamated the scattered interests in art into one department that offered experience in creative art as well as an expanded curriculum in art history and criticism. The department could serve students with primary interest in the field as well those who sought art as applied to their trade or profession. Thus, Minnesota

joined those schools breaking the old line tradition which severed art history from creation, and the critic from the master.

"The misconception," states Dr. Donald Torbert, department chairman, "that the arts are essentially non-serious, impractical and frivolous, has not died; but

support of the arts has never been more vigorous."

There is no doubt, however, that the philosophy of the art department differs sharply from that of many others. "Some students are frightened," says Torbert, "at the responsibility we give to them." Speaking of the creative arts, he continued, "there are few facts to recite, no text for security; there is only the opportunity to develop that which is within the student."

This philosophy does not imply a laxity in the

department's requirements of a student. Responsible as any other University department, the art department maintains the same grading and credit system, demands the same well-rounded core program, and offers the traditional academic degrees. In the field of history and criticism, the department offers the Master of Arts, Master of arts in museology, and Doctor of Philosophy degrees. The creative artist may earn the Master of Fine Arts degree by fulfilling a number of credit hours comparable to those leading to the Phd. The MFA degree indicates that its holder is proficient in both major divisions of the department — history and criticism and creative techniques.

Reference collectively to "creative arts" while convenient is almost misleading. For while continuity of



Composition with bull by graduate student, Gerald H. Olson. 48"x40" oil.



Undergraduate, Barbara Stewart with untilted composition with horses. 42"x52" oil.

philosophy does exist between them, the media of the arts differ greatly.

Of painting says professor and practicing artist, Walter Quirt, "It breaks the barriers of nationalism. It is international communication of peoples, an approach through common emotion rather than competitive thought.

"... Now the instinct for life in man is such that he has always found the means to perpetuate himself, but he is so socially ignorant that he has yet to find a way to perpetuate his societies. They are still expendable inventions of his, as he seemingly travels through Time toward an unknown destination... But whatever he seeks for, from time immemorial it has been Art which has provided him with the incentives and the creative principles for his self-perpetuation."

Accordingly, Quirt welcomes the current trend in art—a movement away from the limitations of methodologies.

"The artist is no longer bound," he believes, "to learn his craft brick-by-brick to a point of articulation for his analytical thought processes. Craft is no longer the important thing. Art has opened to the populace.

Commenting on trends in his students' work, he recognizes the influence of his own or other instructors'

ideas. But he sees yet another influence—that of the area.

Almost any technique applicable to the medium can be learned here.

"But techniques," says John Rood—sculptor, professor, "must be secondary. All we can really do for a student is help him more quickly solve his technical problems and help him discover his innate gift.

General interest is sculpture Rood believes is expanding. The "therapy" of creativity is being discovered, possibly as a reaction against the many purely vicarious experiences offered by modern society.

A relatively new form of art—still establishing reputation and only now finding its true niche among the traditional media—is that of photography.

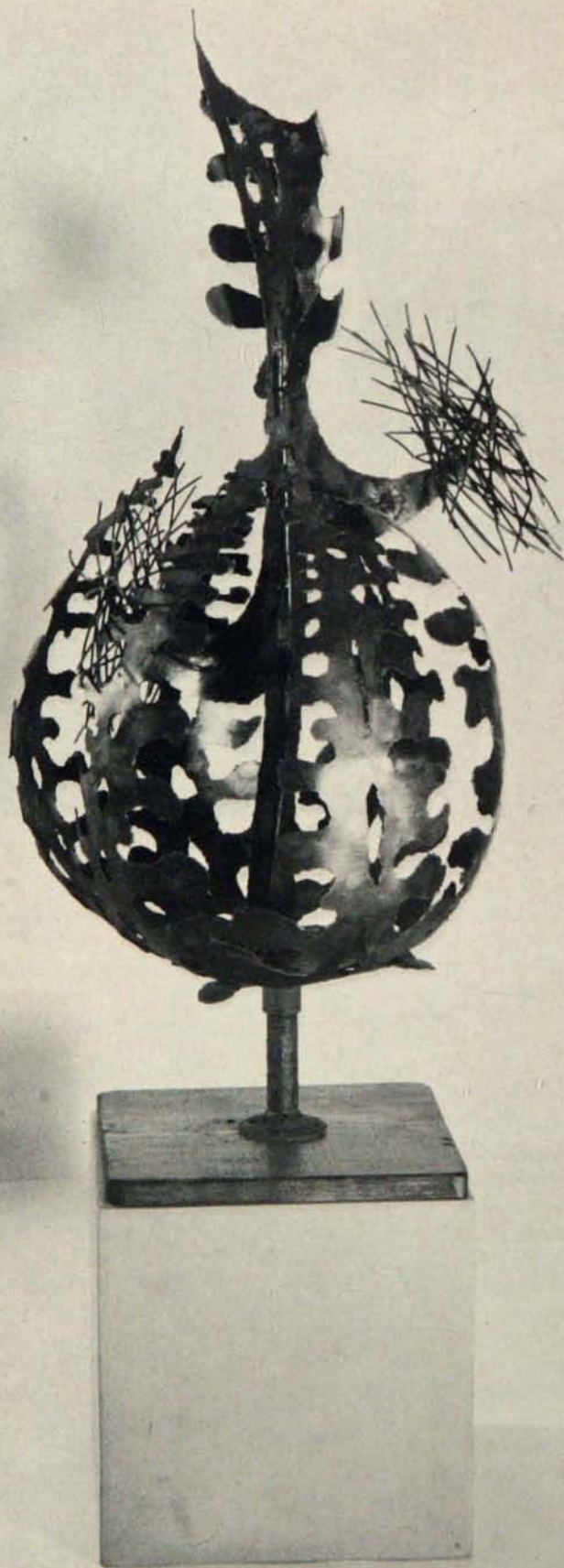
Still photographer Jerry Liebling, and artist of the motion picture, Allen Downes, seem to agree that one of their great aims is to develop "visual literacy and responsibility" in their students.

Dependent on mastery of the technical aspects of photography as well as a sense for artistic selection of subject, art of the film has yet to be fully explored.

"The cultural atmosphere of this region," he says, "is producing an idiom that is original in American art. Figurative paintings, prints and sculpture seem

(Continued on page 17)

*Artists
on
Campus*



"Dandelions," Richard Randell, former student, now instructor welded iron, 37" high. Permanent collection, Walker Art Center.

consistent with nature in this area. In linear movements and in spacing, nature has imprinted herself on artists."

In agreement with this theory of local affect is fellow teacher-artist, Malcolm Myers. Myers, however, finds his expression in a different medium—print-making or the graphic arts.

With the philosophy "Use anything, but master it," Myers department specializes in two processes using copper (intaglio) and wood blocks. "Emphasis," he states, "is on experimentation in the development of color printing."

"Prints produced here," he says, "run the gamut from realism to nonobjectivism. . . . No attempt is made to control the ideas of the student.

Myers is particularly pleased with the University printing studios which he considers "one of the best equipped in the country." (Jones Hall, fast approaching the age of 60, is not unanimously applauded by all who struggle in its small and drafty classrooms.)

Other highly praised facilities are possessed by the artists of yet a third medium—sculpture. The Holman building on University avenue is the site of potters' wheels and sculptors' benches as well a foundry and other specialized equipment which places the University's physical shop for this medium among the best.

Thus has been the experiences so far of artists on campus. Despite their individual differences they have, one opinion about their university affiliation. Without exception the artist-teachers (some self taught, some formally educated) believe that art and formal education belonged together; that the student's creativity is enhanced, perhaps unchained, by the University's offering of increased cognizance of the world.



Engraving by Karl E. Bebbke, graduate student

"Sea Crab," Christian Schmidt '56BS. Woodcut, 14"x24"



The University Collects

Opened in 1934, the University Gallery was acclaimed only two years later to be "the chief advocate and haven in the cause of modern art. . . the campus gallery has a clear field and definite responsibility."

The Gallery is no longer exclusive in its field, but the responsibility has, during the ensuing years mounted, and it remains a unique institution in the fulfillment of its varied functions.

It is primarily a teaching arm of the department of art, and as such offers programs found nowhere else in the country, it is a loaning agency to students and staff, to other universities, museums and schools here and abroad; it is, finally a service to the local intellectual community.

All of these functions, of course, depend on the strength of the gallery's basic offering — works of original art.

The University's permanent collection includes more than twenty-five hundred items — examples of painting, graphic art, drawing, sculpture, and various crafts. The work of contemporary American artists dominates the collection, though European artists such as Monet, Corinth, Lurcat, Daumier and Beckmann are also represented.

Many of the important acquisitions have come as gifts to the Gallery. Two outstanding collections, works by American artists Hartley and Maurer, were presented by Ione and Hudson Walker. The collection

B. J. O. NORDFELT: American, 1878-1955. "The Green Hills," 1935. oil on canvas, 29 3/4" x 39 1/2". Mrs. B. J. O. Nordfeldt (Emily Abbott Nordfeldt), alumna of the University of Minnesota, has given two of her late husband's paintings to the University Gallery, as well as placing on extended loan to the Gallery an additional group of Nordfeldt paintings of major significance.



has been strengthened in the field of sculpture by the contributions of Mr. and Mrs. John Rood, who have established and annually enlarge the Rood Collection of notable contemporary sculpture.

Works of art more than 1,500 on extended loan further enlarge the Gallery's potential offerings. Notable among these are the collections of Mrs. B. J. O. Nordfeldt, Mrs. Josephine Rollins, and the Hudson Walkers.

The assets of the gallery have attracted nationally and internationally known scholars. Yet, in a well rounded program, the permanent collection must be supplemented. Each year several traveling exhibitions are scheduled for appearance at the Gallery. Thus the Gallery staffs drawing from a well-reputed collection and from a wide range of circulating works, is able to create an ambitious program.

Showings in Gallery facilities on the third and fourth floor of Northrop, supplement the experience of any student by providing possibly his only contact with original works of art. For a student who wishes professional training, the Gallery offers more than opportunity for observation. Two programs utilize the Gallery's unique facilities.

The first is required of all candidates for the Master of Fine Arts degree. Each student must plan and execute a "thesis exhibition". This not only provides an opportunity for evaluation of his art, but gives him experience in museum processes.

The second program, recently established, is a course of study leading to a Master's degree in the field of museology. Described by director of the Gallery, Dr. Sidney Simon, it is to "prepare personnel for the small museums springing up throughout the nation."

It is, he believes, the only such program offered, though there are some highly specialized courses offered elsewhere.

Carefully selected candidates for the degree will combine academic study with a full year of duties at the Gallery, the Minneapolis Institute of Art, and Walker Art Center. The student's objectives will determine the amount of time to be spent at these differing institutions.

Besides its teaching and research functions, the Gallery lends widely to other institutions and museums throughout the world. A collection of mounted photographs more than 70,000, are also made available for study exhibitions and research purposes. And, catering to its indigenous patrons, the gallery lends framed works of art, originals and reproductions, to students and staff members of the University. Several hundred works of art leave the Gallery each year on some loan basis; they may remain in the Twin Cities or may be sent as far as Seoul National University, Korea.

JANUARY, 1962



ALFRED HENRY MAURER: American, 1868-1932. "Head," ca.1930. oil on composition board, h.39", w.24" — this major painting by A. H. Maurer, often called "America's first modern painter," is one of the forty-six paintings by this artist given to the University Gallery by Ione and Hudson Walker in 1953.

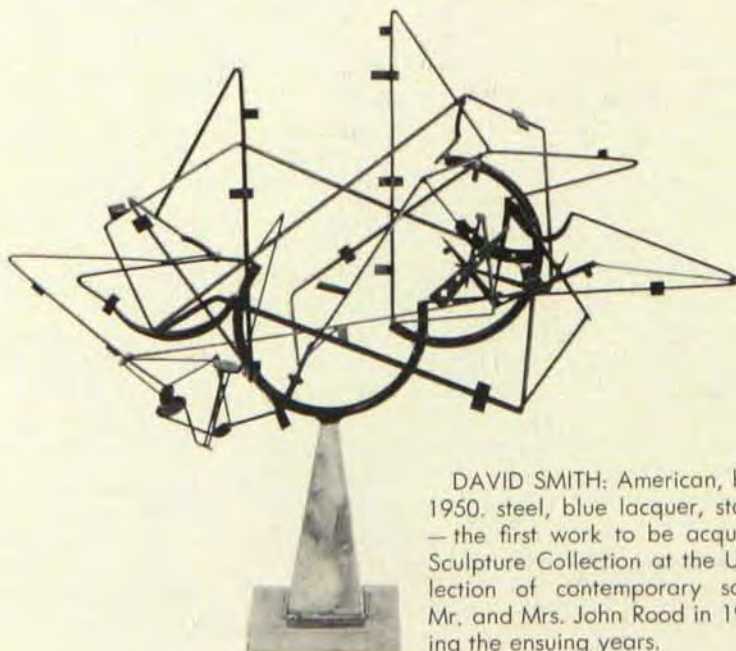
Finally, the University Gallery has a specific role to play in the community. Drawing on academic resources, the Gallery is particularly equipped to organize scholarly exhibitions. A notable example of this function occurred last year when the Gallery, cooperating with the art department and the graduate school, organized a showing of *The Eighteenth Century*, one hundred drawings by one hundred artists." This exhibition, culminating from scholarly research and achieved with the cooperation of numerous lending individuals, museums and schools, was called "as important an exhibition as has appeared in this area."

With such accomplishments, the Gallery proves its value as something much more than an art treasury. It is a vital source of education, an agency for the national and international circulation of art and a center for the extension and expression of academic research.

(Continued next page)



MAX BECKMANN: German, 1884-1950. "The Fair: Behind the Scenes," 1922. drypoint, h.8¼", w.12" — this print, acquired by the University Gallery in 1956, is one of a small but select group of German Expressionist graphic works in the collection of the University Gallery; among other Gallery holdings in prints are works by Piranesi, Daumier, Kirchner, Kollwitz, Bonnard, Matisse, Picasso, Lasansky, and Myers.



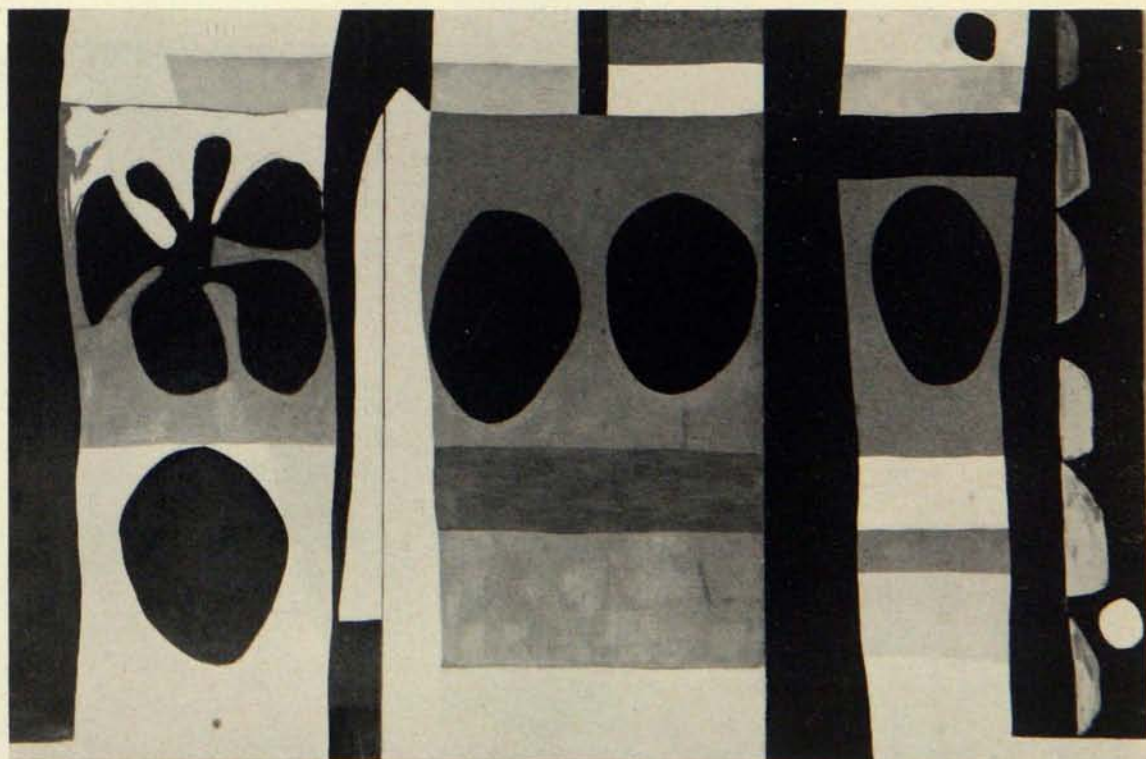
DAVID SMITH: American, born 1906. "Star Cage," 1950. steel, blue lacquer, stainless base, 43¾" high — the first work to be acquired for the John Rood Sculpture Collection at the University Gallery, a collection of contemporary sculpture established by Mr. and Mrs. John Rood in 1952, and expanded during the ensuing years.

*The
University
Collects*



MARSDEN HARTLEY: American, 1877-1943. "Still Life," 1912. oil on composition board, h.32½", w.25½" — lone and Hudson Walker have given the University Gallery, as well as presented on long-term loan, a large portion of their extensive collection of paintings, drawings, and prints; among the artists whose works they have collected in considerable number is Marsden Hartley, whose early "Still Life," on extended loan to the Gallery, is currently included in the internationally circulated Hartley exhibition.

ROBERT MOTHERWELL: American, born 1915. "Mural Fragment," 1950. oil on composition board, h.8 feet, w. 12 feet (3 panels) — given to the University Gallery by Miss Katherine Ordway, Westport, Connecticut, in 1952; this large abstract painting, a major work by one of the leading painters of the so-called New York School, is permanently on view at the University Gallery in the third floor exhibition area.





DUKE OF WELLINGTON, *Sir Thomas Lawrence*. From the "English Portrait" group of the Tweed collection.

The Tweed

The George P. Tweed Memorial Collection, owned by UMD and housed on campus, contains more than 500 works of art.

The original collection was presented to the University in 1950 by the widow of Duluth industrialist George P. Tweed. The family home and hundreds of 16th through 19th century paintings were part of the gift.

Eight years later the expanded collection was moved to a wing dedicated as the Tweed Gallery of the new art-humanities building on the UMD campus.

Northern Minnesota's only art gallery has since become a community art center as well as a University facility. Additions soon to be made are a group of paintings by Duluth artist, David Erickson, and a painting by Ralston Crawford, visiting artist at UMD during the 1961 summer session.

UMD's benefactor, Mrs. Alice Tweed Tuohy became, last year, the first woman to receive the University Regents Award for her gifts to UMD and her continuing patronage of the arts.



SUMMER (TEA PARTY), *Helen Turner*. From the collection of American works by such painters as George Inness, John Singer Sargent and John Henry Twachtman.

Gallery

UMD



THE DIGGERS, *Jean Francois Millet*. French, Barbizon School. Considered by Mrs. Tweed Tuchy, patron of the collection, as "the most important single work in the memorial. This school is also represented by works of such artists as Rousseau, Daubigny and Dupre.



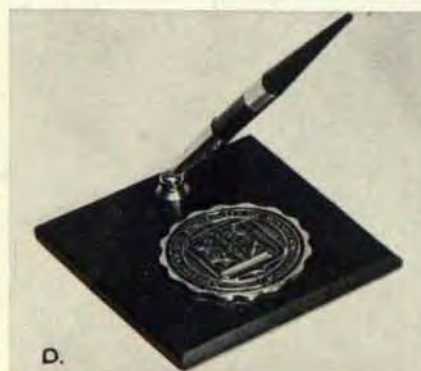
THE DAWN OF LIFE, *David Erickson, Sr.*, (1870-1946). Several more works by the former Duluth artist will soon be presented to UMD by David Erickson, Jr.



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E.



F.

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continent from his starting point. Subsequently, the mountains (of which he saw only a portion) were named for him, and his discovery took—twenty-five years later—men from the University of Minnesota again into territory previously untouched by man.

The Ellsworth mountains—two rugged, snow-shrouded ranges some 500 miles from the South Pole, rise out of ice up to 14,000 feet thick to a maximum height of 16,864 above sea level. The largest unexplored mountain ranges in the world, the Sentinel and Heritage, are loftier than any in the continental United States. These mountains, particularly the Sentinel range, were the objective of the '61 party.

Craddock this time chose a smaller party. Four men, led by John J. Anderson were to go ahead and begin an ambitious reconnaissance trip of 300 miles, the total length of the two Ellsworth ranges, in 12 weeks. But frustration and discouragement lay in store for the men, and continuing complications distorted plans and delayed their work.

Anderson and companions Tom Bastien, and Paul Schmidt left the U. S. as scheduled and made it into the Antarctic as far as Byrd Station.

There they received a demoralizing shock with the news of a plane crash at Wilkes Station. Dead was Dr. Edward Theil, University geophysicist who in 1959 had with Craddock discovered the Jones Mountains. A close friend of all members of the geologic party, the outstanding Antarctic scientist had been leading another project to study the thickness of glaciers feeding the Ross Ice Shelf.

The first serious set-back to the wating party at Byrd was the delay of supplies. The plight that followed is best described by Anderson, who sent this news to Craddock:

“... I'm afraid that I have to report nothing but hard luck and bad news with no change in either in sight.

“We took off for the Sentinels on 13 November, full of high hopes and changed plans. The plans were altered as follows: We would fly a reconnaissance of the whole length of the range . . . photographing as much of the 'terra incognita' as possible. Then we

would set down in the Howard Nunataka (small peaks near the north end of the Sentinal Range). There Tom and I would remain, while Paul was to fly back to Byrd, develop and print the pictures, and then come out to our original site when John Spletstoesser (the last party member scheduled to arrive at Byrd) and the air freight shipment (the missing supplies) had finally arrived. Tom and I would then work the area of the Howard Nunataks and the northwestern end of the Sentinels.

“Well, everything went off as planned with two exceptions. First of all, the plane crashed on landing (no injuries, but the plane was permanently downed) . . . this was not critical as far as going to work was concerned. What made me decide to return to Byrd Station was that our radio failed . . . we could receive OK, but could get no message out.

“... anything in the way of an accident would have assumed catastrophic proportions in no time at all.”

Thus, the three men returned to Byrd to wait again for equipment and another flight. With now only one plane in operation from Byrd, the Minnesotans' priority for getting back into the field had “dropped to zero.”

The party did finally reach their destination, the Sentinel Range, on November 30, though plans were abandoned for Craddock to join them. Somewhere on the trail this very moment, the men are surveying in reconnaissance the northern part of the Ellsworths and are providing the first geologic data on this important mountain chain.

In February they will leave the Antarctic, some of them for possibly the last time; but it's probable that more Minnesotans will follow them, learn from their experiences and push farther into the unknown. For despite hardship, setbacks, even failure, the men who have gone into this continent—one of the last frontiers of our planet—seem almost obsessed to return. Personifying the eagerness of such scientists, Anderson closed his letter saying, “. . . were it possible, I would cheerfully devote several more years to these mocking mountains. There is work and more work to be done there.”

(Continued from page 12)

A complete financial report of the University will be mailed to you upon request to the Office of the Vice President of Business Administration.

Sincerely,

Ed Haslet



Reorganization — from page 13

"As I study the report of the committee, I find some difficulty in deciding what the presupposed objectives really were . . . three important objectives seemed to have been largely missed.

"First, the determination whether the problems at hand are really organizational in nature and require a reorganization for their solution. I think it is important to determine whether the patient really is suffering from appendicitis or just a plain tummy ache, before making the incision.

"Second, the consideration of what organization is best from the student's point of view; what will be most advantageous to students and attractive to high school graduates. The University will grow only if we continue to attract students and give them the best education possible.

"Third, the determination whether any proposed reorganization will really strengthen the University. We must not weaken the University in order to benefit a few departments.

"I believe that liberal education should be strengthened at Minnesota rather than weakened. To this end, I suggest that we first reorganize the progress that has already been made, and then put aside all partisan and divisive proposals and proceed to strengthen SLA and hence strengthen the University."

Robert H. Cameron
Professor of Mathematics, SLA

". . . The central fact is that SLA as an organizational unit simply is not working satisfactorily.

"We cannot expect the problems to vanish if we but have patience and pretend all will be well. Furthermore, these problems are not of recent origin. Some years ago the complex of specific difficulties which faced our physics department grew so intolerable that SLA underwent surgery; physics was transplanted to another administrative unit, IT. It is eloquent testimony on the seriousness of the over-all problem that representatives of four other SLA science departments have at one time or another entered into exploratory discussions on the conditions attending possible transfer of the administrative affiliation away from SLA.

"Every analysis of this complex of problems which has been attempted over the past decade boils down to one salient feature. SLA, with some thirty diverse departments, is so utterly heterogeneous that administration in any but the mere housekeeping sense appears hopelessly difficult. We try to make decisions democratically. We have a college constitution which requires the participation of all faculty elements at some level in a rather elaborate administrative machinery. But the decision making, if it is to be democratic, also tends to become so complex as to be easily frustrated. If major as well as minor policy decisions are not to be merely arbitrary expressions of the prejudice or whim of a determined administrator or his cabal, they are sometimes excruciatingly difficult to arrive at. Decisions of truly fundamental

character are often easier to postpone than to make final. Or, if they cannot be postponed, issues tend to be decided conservatively rather than wisely . . . i.e., past policies may simply be projected into the future without at all coming to grips with the specific problem.

"The heterogeneity of the college may be its source of intellectual strength, yet it is also a weakness from the standpoint of its administration. Can any administration become well enough acquainted with the particular characters of so many diverse fields that it can provide real leadership or take intelligent initiative where problems demand it? Must it not be content to expedite ongoing programs, to apportion financial support in accordance with traditional formulae, and to settle internal disputes by peacemaking compromises which make as little change as possible?

"The solution proposed by the Senate committee on education would replace SLA by a (hopefully) more effective organization. The suggested groupings are quite reasonable. The diversity of scholarly areas for which any one dean would be responsible would be reduced to manageable proportions. The basic sciences would be together in a single administrative unit, a feature which I as a scientist consider most attractive.

"I think the key concept is a recognition that the department rather than the college is the functional unit in our university. If one makes the distinction between the liberal arts curriculum and the college of SLA, it readily becomes apparent that no one is attacking the former but rather that a new organizational structure is being proposed to replace the latter . . . The proposed solution is indeed fundamental. It is likely to strengthen our liberal arts curriculum and not (as some say) to destroy it."

Allan H. Brown
Professor of Botany

"If one takes at face value the arguments of persons experienced in administration, the best way of achieving any goal would be a single-minded, single-purpose institution dedicated to that goal and with staff members trained and recruited for its specific achievement. Therefore, the University should have a separate college of liberal education with an entirely separate staff, separate research or technical institutes with completely separate personnel, etc.

"Such an organization might work, but it is entirely contrary to the fundamental history, traditions and philosophy of the University of Minnesota. Research, teaching and service are inextricably intertwined and to separate the classroom from the research laboratory is unthinkable. A great university can combine in each of its units dedication to both teaching and research. True, there may be some persons and some units whose function is primarily one and less the other, but there should be units and persons whose contributions are distinguished both in teaching activities as well as in productive research.

"For all of the basic disciplines, i.e., those upon

which advanced studies and research must always depend, there must be dedication to both teaching and research, and the interplay between research and teaching, the classroom and the laboratory, the scientist and the professional man, the scholar and the teacher, must be preserved. How can this best be done? The traditional pattern of organization on the large university is for a central college of liberal arts to serve as the foundation stone from which is built such graduate, advanced, and professional education as the institution engages upon.

"... a liberal arts college can be successful without every liberal arts discipline in its administrative organization. The basic objective of a liberal education, however, would be difficult if not impossible to achieve if there were no single college devoted primarily to that purpose and including under its organization most of the subjects that are important to a liberal education.

"Liberal education, understanding, research, the search for truth, these are the essentials of higher education that can best be realized through a strong central college."

E. W. McDiarmid

Dean of the College of SLA

"Without a doubt the era of super-specialization in science has brought with it serious problems for coordination and cooperation. Specifically, for example, many biologists of today lack sophistication in modern physics and chemistry, both in the theoretical and methodological spheres. It seems quite logical to suggest that biological and physical science and scientists should somehow be brought together. However, their present separation is not really due to administrative impediments. It is a result of the fact that too few biologists are sufficiently well oriented in relevant aspects of mathematics, physics and chemistry to be able to use modern physical science themselves or even to participate in cooperative work. The solution to the problem of bringing more and better physical science into biology lies in better education of biologists. No amount of tinkering with administrative machinery will make much difference until biologists themselves are able to employ the concepts and tools of modern chemistry and physics effectively themselves. When they are able to do so barriers of administrative separations rapidly disappear. The important impediment today is intellectual and not administrative."

Maurice B. Visscher

Professor of Physiology

"... this plan appears to have grave defects.

"The objections fall under two main headings, the psychological and the technical. By far the more serious are the former, for in the last analysis it is by its faculty that a good department college or university is judged, not by its table of organization.

L. W. Green

Department of Mathematics, IT

"... Whatever the final reorganization may be

... I am sure that many faculty members would feel that the best interests of the University, the students, and the welfare of the state will be served only if full consideration is given to providing an administratively workable situation for the dean who will have the very considerable responsibility of coordinating the instructional program in undergraduate liberal education."

Dean H. T. Morse

General College

"It is my conviction that proponents of the Senate Education Committee plan must be required to prove their case. Let no one suppose that I am against change; nor am I against argument, not even polemics. I merely hope that we will utilize relevant data, relevant values, relevant anger.

"... Would the proposed reorganization improve liberal arts education? Would it improve fiscal operations? I do not see clearly how it will do either.

"I may be very wrong. It may be that the dismemberment of LSA, accompanying the move across the river, will precisely solve our most pressing problems. It may not impair the scholarly tradition out of which modern science emerged. It may not limit our technical scientists in acquiring an understanding of how man lives as a human being. I am willing to listen. I am willing to be convinced. But I have not seen the evidence to support the basic premise of the Education Committee's report. Therefore, I make one reservation: before we insist that some change of structure is going to solve our problems, let us agree on what the problem is, that the change will solve it, and that the side-effects can be accepted. Solutions which create worse problems than those they sought to solve ought to be rejected."

Roy Francis

Professor of Sociology

The end of the quotations — but not by any means the end of the issue. This is a story without conclusion, or at least, without a current solution. Perhaps in this way it is a true reflection of the University, a place where one is taught that truth is not static and approach to it changes even within generations.

The approach to the problem of reorganization (or no reorganization) changes daily with the speaker. And it is quite likely to change officially, for if the current plan is not accepted it must be modified.

As the earlier quoted Professor Brown (botany) states: "While the Senate Education Committee did not present alternatives, the University will have to make a decision. If it only rejects the committee's proposal, that would be making a choice by default, for to do nothing (except imitate the much maligned ostrich) would prolong and aggravate the intolerable features of our present circumstances which I feel are making a satisfactory solution more difficult to achieve the longer the problem endures. This matter is of the utmost importance and urgency. If we reject the committee's solution we must propose a better one. The problem has to be solved."

—THE UNIVERSITY—



December 4, 1961, University students made a personal call on downtown Minneapolitans to break the big news — Rosebowl!

Rose Bowling

A red-inked, rose-scented *Minnesota Daily* hit campus on December 5, proclaiming "We're First to Go Twice to Bowl." And they were correct.

Again as last year, amidst the Christmas trees, holiday lights, and tinsel windows of downtown Minneapolis, University students snaked and cheered and chanted gleefully over the bowl invitation.

Forsaking the idea of a white Christmas for a sunny new year, the first pack of students marched on Hennepin Avenue about four P.M. on Friday, December 2. With drums, horns, cymbals and a few red flags taken from a road construction project, they underlined the bid which had been officially made about an hour earlier. That gathering dwindled by 6 P.M.

Later in the evening, a new rush of over 4,000 students surged downtown again and completely halted normal movement. Police reported no damage, but extra help was needed to unknot the holiday shopping traffic.

By Monday, if time hadn't quieted all, the ticket line did; only 12,000 passes were available for students and staff. The line was longer than the supply.

After that the quiet scurry was on. The lucky ones were searching out a ride; the stay-at-homes went on decorating Christmas trees—with resignation and with roses. ¶

Listing 35,000

The University directory has gone "big time."

Over 35,000 listings will appear in the new, combined student-staff directory; and for the first time "yellow pages" will be included in the publication.

It should be a whopper, for the record total of 30,846 full-time students enrolled at the University ranks this institution fourth in size among the nation's universities.

The University of California remains the largest in the U.S. with 52,346 full-time students and a total enrollment of 87,475.

A survey prepared for an educational journal shows that total enrollment in American universities and four-year colleges is up 6.6 per cent. Also noted is a trend toward the arts and sciences education at the expense of business administration and engineering fields.

"U" Press in Russia

Four books published by the University Press have been chosen

for inclusion in an exhibit on American medicine, currently being prepared by the U.S. Information Agency for a tour of the Soviet Union.

The exhibition, title "Medicine — USA" will be on view for three weeks each in Moscow, Leningrad and a city yet to be selected. The display, which parallels the Soviet exhibition which was on campus in December, will leave the country in February.

Regents Award

Charles Lesley Ames, St. Paul book collector, was presented a University of Minnesota Regents' Award on December 6 at an open house for the Ames Library of South Asia, a new unit in the University Libraries (*Alumni News*, Oct.)

Presentation was made at a brief ceremony in Walter Library on the Minneapolis campus.

The Ames collection, given to the University by Mr. Ames in 1952 was moved to its present location on the fourth floor of Walter Library last July. It provides a valuable source of research information for the South Asia area study program at the University and is open to all students who desire to read or consult reference material pertaining to the area.

The Regents' Award noted that Mr. Ames "has provided the citizens of Minnesota and scholars everywhere with a vital treasury assembled through his efforts, the Ames Library of South Asia—His visionary pursuits have enriched our state, its University and the entire realm of academic enterprise."

Rouser Author Dies

Robert LaMar died on October 23. His name is unknown among alumni, among students, but his contribution to the University is frequently on the lips of every loyal Minnesotan. He was the author of the Minnesota Rouser.

University records list Floyd Hutsell as the author of the song

that won a contest in 1909 sponsored by a Minneapolis newspaper. For, "Minnesota, hats off to thee!" he received \$100. The University received the best known and most-played of its pep songs.

In years later there were other contests and other songs, but none caught on. Even the famous bandman, John Philip Sousa, could not displace the Rouser's popularity with his specially composed Minnesota March.

A vocal teacher and choir director at the time he wrote the song, LaMar (his professional name) played in operettas in New York and later produced and directed light opera in many American cities.

According to Mrs. LaMar, the title and music of the Rouser will be inscribed on the family tombstone.

RESEARCH

The physical condition of American astronauts may someday be measured with a pulse-monitoring device being developed on campus.

Dr. John M. Lagerferff, a scientist at the University's Rosemount Aeronautical Laboratories has received a \$6,370 grant from the NSF to develop such an instrument. The cardiometer which will use a new type of sensory mechanism, will not require penetration and preparation of the skin, as do the standard electrocardiogram electrodes now in use.

Moreover, said the grant recipient, the old machines which utilized electrical impulses, were susceptible to interference of patient movement. They picked up "muscle potential" which had to be sorted from the true data by bulky, complex filters.

The new device, which will be about the size of a thimble for clinical and classroom purposes, will function on a principle different from the old ones and will not be susceptible to old interferences. For space use, the equipment could be made about the size of three or four dimes stacked together and could be taped to

the human body and there give accurate accounts of what occurs in the body during flight.

Into Personality

The ancient education method of apprenticeship may return to favor among formal educators if a new program at the University is successful.

The department of psychology has selected a group of graduate students to participate in the Center for Personality Research—a center which will function on "an apprenticeship research model in doctoral training."

The center, begun last year, will have a maximum of only 10 to 12 fellowship students enrolled at any one time, and 10 participating faculty members. Each student, according to director, Norman Garnezy, will be given the opportunity to work under close supervision with at least two of the professors.

"Practically from the moment the student walks through the door," says Garnezy, "he is assigned to a faculty member to start his research immediately."

Poliovirus Test

A new radioactive test for measuring poliovirus antibodies has been developed in University

laboratories. For further research in this and related projects an additional March of Dimes award of \$73,890 has been granted.

The new test appears to be up to 30 times more sensitive in determining immunity to poliovirus than any method previously used. However, the significance of the finding goes beyond limited, immediate use. The University study has opened roads into the study of other virus-antibody systems. Results may have bearing on other malfunctions or malformations of the human body which are caused by viruses.

The test recently devised was developed under the guidance of the late Dr. Jerome T. Syverton. The continuing study will be directed by Drs. W. F. Scherer, professor of microbiology and L. C. McLaren, associate professor.

Minnesota Minerals

Minnesota's mineral resources are in for intensive study by geologists of the University.

For the next few years the Minnesota geological survey, which is part of the University, will work on a comprehensive, detailed geological mapping of the state. Under the direction of Professor Paul K. Sims, new faculty member, the study is aimed at helping to develop the state re-

Acquisition of land, remodeling, rehabilitation and construction scheduled by the University is at a standstill (as are all state building programs) pending the outcome of a proposed amendment to the constitution of the State of Minnesota.

The amendment, officially endorsed by the board of directors of the Minnesota Alumni Association, would repeal the outdated state debt limitation of \$250,000. Approval of this amendment is necessary for the release of \$7,500,000 of the total \$7,789,351 appropriated by the legislature for the University's building program.

The amendment will appear as number two (II) on the ballot of the state's November, 1962, general election, and will read as follows:

"Shall article IX, Section 14 of the Constitution of the state of Minnesota be repealed and Article IX, Sections 5, 6, and 7 be amended to allow the state to incur indebtedness for temporary borrowing; and to incur indebtedness payable within 20 years for the acquisition and betterment of public lands and buildings and other public improvements of a capital nature when authorized by a three fifths vote of each branch of the legislature?"

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Research—

sources and "should lead to the development of new industries in the state."

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The study will take several decades to complete, Sims said.

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Drugs and Infants

Dr. Alfred F. Michael, medical fellow in the University of Minnesota pediatrics department, was one of five doctors assisting in studies of the effects of drugs on newborn infants, the results of which were announced this week by the University of Cincinnati medical center.

The studies showed that physicians should use extreme caution in administering drugs to newborn infants, Dr. Sutherland warned, since drugs which are safe for adults and young children can have an entirely different, even fatal, effect on newborn infants.

Drugs such as sulfa drugs, chloramphenicol and novobiocin, for example, have produced death, blindness and brain damage in the newborn, even though they had been considered safe after laboratory tests on animals and adult humans.

Dr. Sutherland said he finds it encouraging that, following the recognition of adverse drug effects in infants, drug use has declined.

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Dick Inga, 1962 football captain, takes the torch.

SPORTS

Football

All Americans—Sandy Stephens and Bobby Bell have gained more than an average amount of honors in post-season polls. Both the senior quarterback and the junior tackle were named to the Look All-America team, generally regarded as the most official of the many listings.

Stephens was named first team quarterback on both the AP and UPI squads and Bell was named to the second team by the UPI. Both men were placed on the all-conference team by both wire service polls.

In addition, Stephens was named national back-of-the-year by the Washington D. C. touchdown club. He was also elected to the News Enterprises Association (NEA) team and the Sporting News squad, as was Bell.

Gopher end Tom Hall was a first team choice on the UPI all-Big Ten team, and was placed on the AP second unit. Hall also received honorable mentions on several of the All-America squads.

Captain Enga—Richfield's Dick Enga will lead the Golden Gophers

into Memorial Stadium for next year's opening game with Missouri. Enga has been named captain of the 1962 team by his mates and granted another of eligibility by the Big Ten conference. Thousands of eager fans jammed the Coffman Union to see outgoing captain John Mulvena pass the traditional torch.

Enga is the 16th center elected captain since 1883 and the ninth in the post-war years. The last center was Greg Larson, who is now with the New York Giants of the National Football League.

An all-Lake Conference fullback at Richfield, Enga was listed as a back his first two years at Minnesota. He missed his sophomore year because of a back injury sustained in practice and thus was granted an additional season, even though his normal class will graduate in June.

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THE ALUMNI

IT Awards OAA's

Three alumni received the Outstanding Achievement award at the annual meeting of the Institute of Technology Alumni association on November 30.

Recognized for noted professional attainment were *George W. Bohannon* '24BSME, president of the Pullman company, Chicago; *Henry E. Hartig* '18BSEE, '24PhD emeritus professor and former head of the University's electrical engineering department; and *William G. Dow* '16 BSIT '17BEE chairman of the University of Michigan electrical engineering department.

Bohannon, after receiving his BS degree in mechanical engineering, served with the Duluth, Mesabi and Iron Range railway in Proctor, Minn., until 1944 when he moved to Chicago as assistant to the chief mechanical officer of the Chicago and Northwest railway. Four years later he became chief officer, and shortly thereafter moved to the Pullman company as manager of purchases and stores. He became successively general manager, vice president, executive vice president and in 1958, president.

Professor Hartig served the University for 41 years. He joined the staff as an instructor in 1920, became department head in 1946 and retired in 1956. During World War II, he was on leave from the University to do research in underwater warfare. His OAA citation includes mention of this work as well as his outstanding service as an educator.

Professor Dow will be cited as a pioneer in developing the vacuum tube, organizer of Willow Run Research center and instigator of the University of Michigan electron tube laboratory. He has been on the Michigan faculty since 1926.

First Ph.D. Now OAA

The first man in the United States to receive a Ph.D. in forestry, *Julius V. Hofmann*, has recently been awarded the University's Outstanding Achievement Award.

Dr. Hofmann '11BS '12MS '14PhD, was honored at the annual fall banquet of the Minnesota Forestry Alumni association. Professor emeritus and director of the 80,000-acre Hofmann Forest of North Carolina State college, he was a



O. Meredith Wilson presents OAA to first forestry Ph.D., J. V. Hofmann.

pioneer in silvicultural research and has been active in the Society of American Foresters and in other forestry affairs.

The OAA was presented by University President O. Meredith Wilson.

Wilson Visits Clubs

President O. Meredith Wilson was a guest of both the International Falls and Detroit Lakes alumni associations during a trip made in December.

The President spoke to alumni at International Falls on December 4, at an evening dinner-meeting. The following night he attended a dinner-meeting at Detroit Lakes where he also addressed members of the local association.

Accompanying the President were Mrs. Wilson; Edwin Haislet, alumni secretary; Professor Skuli Rutford, director of agriculture extension; W. L. Nunn, director of University relations; and William Anglim, administrative aide to the President.

Nurses to Meet

The Nursing alumnae association has announced the date of their annual business meeting as January 15. All members are urged to attend this session.



Newly elected officers of the Alumni club of Fairmont are shown (l to r): *Richard Scherer*, vice president; *Dr. K. K. Drosman*, president; *Dr. D. E. Reiter*, secretary-treasurer. The potential membership of the newly reorganized club numbers approximately 200.

Fund raising for the Nursing Foundation funds for scholarship is the current endeavor of the association. Other business under consideration includes the annual membership drive, and activation of a newsletter and an honors committee.

The annual meeting of the association has tentatively been set for Wednesday, May 2.

Medical Officers

Charles J. Beck '40MB '41MD, St. Paul physician was named president of the Medical Alumni association at the November meeting of the board.

Neil M. Palm '48BS '50MB '51MD was named first vice president; *James C. Mankey* '43MB '43MD, second vice president; *Robert H. Monahan* '40BS '42MB '43MD, secretary and; *Duane C. Olson* '37MB '38MB, treasurer of the association.

New board members are Beck, *Charles A. Haberle* '45MB '46MD, *John W. LaBree* '40MB '41MD, and Mankey.

The annual meeting date was set for October 19, 1962, at the Radisson hotel. The senior class luncheon, at which local physicians host members of the graduating class, will be held on May 3.

Final business was the establishment of "The Diehl Award." The award—a citation and emblem—will be presented at the discretion of the medical association.

The annual MAA Honors Day Luncheon will be held this spring on June 4 at the time of the annual meeting of the MAA Board of Directors. This is the luncheon that previously celebrated University Charter Day.

PEOPLE in the News

Dr. Elmer W. Engstrom '27BSEE has been elected President of the Radio Corporation.

"The selection of Dr. Engstrom," him are numerous from national said Chairman of the Board, David

JANUARY, 1962

Sarnoff, "reflects our confidence in his ability and his experience, particularly in those areas where RCA anticipates great future growth. . . . Under his supervision, several major divisions of RCA have registered consistently outstanding performance and have made their greatest contributions to corporate profits."

Born in Minneapolis, Engstrom after his graduation from the University became associated with the radio engineering department of General Electric. His early work



E. W. Engstrom — president, Radio Corporation of America.

projects included high-power radio transmitters, broadcast receivers, and initial research and development of sound motion pictures. His division of G.E. was transferred to RCA in 1930, and Engstrom continued as division engineer in charge of sound movie apparatus.

Progressing as director of programs for upcoming media, Engstrom was a pioneer in evaluating and developing commercial television—first black and white, then color.

On October 21, 1955 he was appointed Senior Vice President of RCA.

A 1950 recipient of the University's OAA, he holds honorary degrees from New York university, Findlay college and Rider college. Honors and awards bestowed upon and international sources. He holds

membership on several boards and institutes representing his field and his profession.

Charles (Bud) Wilkinson '37BS is among the winners of the *Sports Illustrated* Silver Anniversary All-America for 1961.

A native of Minneapolis, Wilkinson distinguished himself in football, hockey and golf as a University student. He played on three consecutive national championship football teams in 1934-35-36 under Bernie Bierman. As quarterback in 1936 he led the Gophers to the first AP press poll national championship.

Wilkinson, head coach, University of Oklahoma, was voted "Coach of the Year" in 1949 by the National Coach association, in 1950 by the AP.

In March, 1961, he was appointed a special consultant on youth fitness by President Kennedy to develop a program to correct the continuing deterioration of the physical fitness of American youth. He has taken up temporary residence in Washington, D.C. where he will work with government



C. (Bud) Wilkinson — Anniversary All-American.

agencies and private industries interested in the field.

As recipient of the Silver Anniversary All-America title, his story appeared in *Sports Illustrated*, and received a silver goal post trophy at the National Football Hall of Fame Dinner in New York.

Around and About With the Alumni

'12

Marion T. Will '12BA, author of the recently published book *Blend By Bead*, received a commendation from His Holiness Pope John XXIII for the specially bound copy of her book which she presented to him when she was in Europe last summer.

'15

Lewis W. Thom '15DDS, a recipient of the University's Alumni Service award in 1961, was appointed to the Alumni Honors committee for a three year term to take the place of the late Harold Wood '23BA.



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'21

Elvira L. Grabow '21BSN recently retired from nursing and dental health education at Iowa State university, Iowa City.

'29

Walter C. Fredell '29BS MPhm has been appointed assistant secretary to the committee on cosmetics of the American Medical Association.

'31

Gordon W. Bassett '31BBA was appointed treasurer of General Mills, Minneapolis.

'32

Partick P. F. Wu '32MD PhDMed, Taiwan physician, married Li Hsiang-fen, noted Chinese opera actress in Taipei last September. The ceremony was conducted by Presidential Secretary General Chang Chun. Nearly one thousand people attended.

Brigadier General Oscar J. Ogren '32DDS has been named director of dental activities at Walter Reed Army Medical Center, Washington, D.C. He is a veteran of more than 28 years of service.

'33

A. S. Brussell '33MD, assistant chief of the outpatient service at the Veterans Administration hospital, Dallas, Texas, has been appointed medical advisory committee chairman of Dallas county chapter of the Multiple Sclerosis Society.

'34

Arild E. Hansen '23BS '24MB '25MD '34PhD, director of research at the Bruce Lyon Memorial Research Laboratory, Children's hospital of East Bay, Oakland, California, has been honored by the University of Texas Medical School, Galveston, which has named a permanent series of annual lectures for him.

'35

James T. Bull '35AA, a colonel in the U.S. Air Force, has been assigned to special work in Japan, Korea, Formosa, Hong Kong and Okinawa.

'36

Charles T. Duncan '36BA, dean of the University of Oregon school of journalism in Eugene, will become dean of the University of Colorado school of journalism next July.

'37

Lawrence Berman '37MD has been named chairman of the department of pathology at Wayne State university, Detroit, Michigan.

'41

Richard L. Sheppard '41BA has been promoted to general manager of duplicating products division of the Minnesota Mining and Manufacturing Co. He and his family live in Edina.

Arthur F. Snyder Jr. '41BBA, U.S. Army lieutenant colonel, received an award for outstanding service as the

executive officer of the 1st Reconnaissance Squadron, 9th Cavalry, 1st Division in Korea.

Moses Gordon '29 '41PhD, Army Reserve Lt. Col., has completed the five-year extended course of the Command and General Staff College at Fort Leavenworth, Kan. Gordon, a resident of Chicago, is employed by the American Oil Co., Whiting, Ind.

Dr. Winston Oberg '41BBA has spent the last two years on a joint Michigan State-ICA assignment as visiting professor of business administration at the University of Rio Grande do Sul in Porto Alegre, Brazil. He has helped the faculty of economic sciences at the University of Rio Grande do Sul develop business administration courses and curricula and has conducted a series of executive development seminars.

Robert E. Morken '41BAMetE has been named product manager of melting furnaces for the Hevi-Duty Electric Co., a division of Basic Products Corp. of Milwaukee, Wisc. Morken joins Hevi-Duty from the Chrysler Corp., Detroit, where he has been staff engineer. He is married and has three children.

John G. Cavanna '31BS, '32MA '41PhD was appointed acting head of the English Department of the Polytechnic Institute of Brooklyn, New York. He joined the faculty of Polytechnic in 1945 after studies at the Minneapolis Music College, Northwestern University, University of Berlin (Germany), and Columbia University, as well as the University of Minnesota. Besides discharging duties in the English department he continues to head the humanities program of Polytechnic.

Franklin J. Kilpatrick '41BA, assistant director of the division of environmental sanitation of the state health department, has assumed the post of public health engineer at the University of Iowa, Iowa City. He will also be an assistant professor in the department of hygiene and preventive medicine in the college of medicine.

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'42

Dr. Harold E. Sponberg '42MA, former vice president of Northern Michigan State college, has been named president of Washburn university, Topeka, Kansas.

Dr. Stanley Sahlstrom '42BS has received promotion to director of the Bureau of Special Services at St. Cloud State college. On the St. Cloud faculty since 1954, he will administrate many non-academic services performed by the college such as adult non-credit education, liaison with area high schools, arranging campus tours, and programming public speakers.

Myrtle Irene Brown BS '42MA, New York university instructor, department of nurse education, has been appointed research consultant to the American Nurses' Foundation, New York, N.Y.

Ruth D. Potter '42BS Med Tech has been named to the faculty of Park Medical Institute, Minneapolis, as an instructor in medical technology.

'44

Richard B. Windhorst '44BBA, sales manager of the St. Louis sales division of Bemis Bro. Bag company, has been appointed product supervisor for textile and waterproof products.

'45

John B. Lambert '45BEE is currently serving as an application engineer with General Electric in Rio de Janeiro, specializing in nuclear power reactors.

Elwood R. Maunder '45BA, Executive Director of the Forest History Society, St. Paul, has been elected to the advisory board of the *Business History Review*.

Ray C. Anderson '46MD, University associate professor, received a distinguished alumni citation from Gustavus Adolphus College, St. Peter, Minn.

'46

Walter L. Slatter '46PhD, an Ohio State university professor of dairy technology, has returned to India on an assignment with the U.S. Agency for International Development at the request of the government of India.

Donald E. Sailer '46BEE has been appointed manager of manufacturing engineering for the transducer division, Consolidated Electro-dynamics Corp., Monrovia, Calif. In the newly created post he will be responsible for manufacturing engineering, tooling design and fabrication, cost estimating, plant engineering and communications.

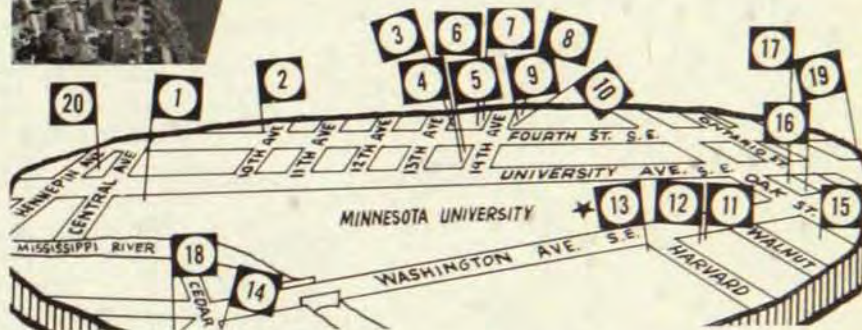
Herbert H. Kramer '41MS '46PhD has been appointed director of the Nebraska Experiment station. He is a former professor of genetics in agronomy at Purdue University.

'47

Whitney M. Young, '47MA former dean of the Atlanta, Ga., school of social work, now executive director of the National Urban League, was guest speaker at the 38th annual meeting of the St. Paul Urban League. He received the University's Outstanding Achievement Award in June, 1961.



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ment Award in June, 1961.

Morris J. Weinberger '47BA has joined the faculty of the University of Wichita, Kansas, college of education as an assistant professor of education.

'49

Jack H. Wernick '47BS '49MS, associated with Bell Telephone laboratories, contributed an article entitled "The

Search for New Semiconductors" to the November issue of the *Bell laboratories Record*.

'50

Thomas P. Skoog '50BA has been appointed sales manager for the printing products division of Minnesota Mining and Manufacturing Co., Philadelphia branch.

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'50

George Mayoue Jr. '50BA has been named director of sales administration of Josten's, Inc. of Owatonna.

'51

Russell E. Loftman '51EE, attending the 20th Annual Flight Mechanics Meeting in November, presented his "Techniques for Exploration of the Atmosphere by Rocket. He is employed by Culton Industries Inc., of Hawthorne, California.

Robert W. Lindvall '47BA '48BS '51MA is currently serving as cultural attache to the American embassy in Stockholm, Sweden. He formerly was branch public affairs officer in Meshed, Iran, a post in northeastern Iran, 44 miles from the Russian border, the American post nearest the USSR.

'52

Dr. Luther P. Gerlach '52BA has been named assistant professor of anthropology and sociology at Lafayette college, Easton, Penn.

T. D. McCoy '52BA, personnel manager of Josten's, Owatonna, Minn., has been named office manager of the company's new offices in Shelbyville, Tenn.

William Lohff '52BChemE has been appointed an attorney in the patents and licensing department of the American Oil Company, Chicago, Ill.

'53

Ralph B. Klein '53DDS, who has been doing research with the Department of Commerce National Bureau of Standards, Washington, D. C., presented a paper on "The Temperature Dependence of Electron Emission in the Field Emission Region."

Richard D. Starkweather '53BBA has been appointed controller of Ford Motor Company's Twin Cities assembly plant. He had served in the company's profit analysis department as a financial review section supervisor in Dearborn, Mich.

James Schwarz '53BA has been named administrative assistant for First Midwest Small Business Investment Company, Minneapolis.

Daniel H. Simmons '53PhD of Los Angeles has been appointed director of research and associate chief of medicine at Mount Sinai Hospital. Associate professor of medicine and physiology at the UCLA school of medicine, Dr. Simmons is also consultant in medicine to the veterans administration hospital in Los Angeles.

'54

Art Miller '54BBA has been promoted to regional manager of the Maytag company for a district serving 12 counties in northern New York state.

William O. Bentley '54BA, manager of the Morris, Minn., Chamber of Commerce, has been appointed executive secretary of the Brainerd, Minn., Chamber of Commerce.

Sherman D. Anderson '54MSEE has ac-

cepted the position of reactor analyst and development engineer with Phillips Petroleum Company, Atomic Energy Division, Idaho Falls, Idaho.

Robert E. Bagwill has been appointed Food and Drug Inspector in the Food and Drug Administration of the Dept. of Health, Education and Welfare. He will work in Minneapolis.

Robert L. Foster '56BBA has been named vice president of Imperial Financial Services, Minneapolis. (see photo)

Walter V. Hohenstein '56MA PhD has been named assistant director for Korea, Far East Division, University of Maryland Overseas Program. Before assuming his new position on August 1, he was a member of the university's teaching staff on Taiwan.

'54

David E. Nordale '54BArch joined Kelly and Gruzen Architects and Engineers in New York City after earning his degree of Master of Architecture from the Harvard university school of design.

John V. Chapman '54MA has been appointed assistant headmaster of the St. Paul Academy, St. Paul.

Richard L. Robertson '54MAJourn has been appointed manager of community relations for the UNIVAC military department in St. Paul.

'55

Roger A. Fixson '55BA first lieutenant U.S. Army, is a platoon leader and a member of the 828th Signal company, an army reserve unit which was recently recalled to active duty at Fort Stewart Georgia.

Elliott Dick '50MS '55PhD(Med) is now an associate of the State Hygiene Laboratory at the University of Wisconsin, where he will be involved in research on common respiratory infections. He was formerly an assistant professor at Tulane university in New Orleans.

'57

J. E. Mikesh '57BMeE has been promoted to project engineer at the United States Gypsum Company in Chicago.

Philip Weiler '57BS has received the Bachelor of Divinity degree from Louisville Presbyterian Theological Seminary. He is now serving as minister of the First Presbyterian Church of Caldwell, Ohio.

J. M. Johnson '57BBA has been named assistant industrial relations manager of Union Carbide Chemicals Company's technical center in South Charleston, West Virginia.

'57

Nancy Sandelin Paisley '57BS has joined the staff of the products research division at Esso Research and Engineering Company, the principal scientific affiliate of Standard Oil Company, New Jersey.

John B. Herbich '57MSCE, associate professor of civil engineering and chairman of the hydraulics division of Fritz

Engineering Laboratory at Lehigh University was awarded a Ford Foundation Fellowship to participate in a workshop on the programming of computers. The sessions were held in September at the University of Michigan.

Lawrence E. Dennis '57MA, official in charge of recruitment and training for President John F. Kennedy's Peace Corps, received the honorary degree of Doctor of Laws from Cornell College, Mount Vernon, Iowa. Mr. Dennis is vice president of academic affairs at Pennsylvania State University.

Paul S. Van Puffelen '57MD has been appointed a resident in orthopedic surgery in the Mayo Foundation at Rochester, Minn.

'58

Harvey Sarner '58BSL has been appointed assistant secretary of the council on legislation of the American Dental Association. Prior to joining the Association, Mr. Sarner was on the staff of the office of the general counsel of the Federal Communications Commission in Washington, D.C.

John B. Kotheimer '58MS has been awarded the Sustained Superior Performance Award for his achievements "enhancing the mission of the research and development command of the U.S. Army Chemical Corps." He is now engaged in research and studies leading towards the PhD degree at the University of California, Riverside, California.

'59

Philip L. Eckman '59MD has been appointed a resident in surgery in the Mayo Foundation at Rochester, Minn.

'59

Eugene F. McCarty '59BS has been assigned to special development work with the St. Regis Paper Company at its new technical center in West Nyack, N.J.

Vernon H. Sell '59BSEd, stationed with the Armed Services in Germany, is singing with the Salvati mixed quartet. While at the University he was in the Varsity Shows of 1955 and 1956 and was the recipient of several music scholarships for study in Europe.

'60

Robert Edmeyer '60BEE has been assigned as a system engineer in the Industrial Systems in Milwaukee, Wis.

David McFarland '60BAg has joined the Allis Chalmers company in Milwaukee, Wis., as an assistant engineer in the tractor engineering division.

William N. Kinney '60MD has joined the staff of the Medical Center of Little Falls, Minn.

Darrell T. Weinman '60MD has been appointed a resident in orthopedic surgery in the Mayo Foundation at Rochester, Minn.

Corrin J. Hodgson '60MD has been named a resident in neurology in the Mayo Foundation at Rochester, Minn.

Eugene L. Acuff '60MD has been appointed a fellow in internal medicine in the Mayo Foundation at Rochester, Minn.

David E. Tester '60BA has been appointed assistant in the convention and visitor bureau of the Duluth Chamber of Commerce. He is a former member of the editorial staff of the Duluth Herald and News Tribune.

'61

William W. Chorske '59BEE '61MSEE has taken a position as a development engineer with the Hewlett Packard company in Palo Alto, Calif.

Howard W. Higholt '61MD will intern at Presbyterian Medical center, San Francisco. The Center took over the former Stanford University Hospitals and is currently developing a medical center to serve the entire West.

Deaths

'05

Dr. Joseph Patrick Kane '05 MD died June 16, 1961 at the VA Hospital in Palo Alto, Calif. He formerly practiced in Tacoma, Wash., where he was a past president of the Pierce County Medical Society. A veteran of World War I, Dr. Kane died of cancer at the age of 88 years.

Albert H. Bates '05BSME died on October 14, 1961.

'06

Ernest A. Heilmann '06BA died in November, 1961. He received degrees from Northwestern college at Watertown, and the universities of Minnesota and Wisconsin. He also studied in Germany. Subsequently he was on the faculty of the Universities of Iowa, Michigan and Drake. In 1919 he became assistant professor of accounting at the University of Minnesota. After retirement he taught at the San Diego, Calif., state college, was adviser to the and became a part time member of faculty of Ankara university in Turkey, the faculty of the College of St. Thomas, St. Paul. Professor Heilmann was a past president of the American Accounting association and of the Twin Cities chapter of the American Association of University Professors.

'09

Alice Schriber Kidder '09BA died on August 10, 1961. In Maryland at the time of her death, she was a resident of Berkeley, California, where from 1944 to 1954 she was associated with the Naval Air Station at Alameda, California.

'11

Dr. Thomas Ziskin '11MD died in his

Minneapolis home on November 18, 1961. A heart specialist, he was associate professor of medicine at the University from 1920 to 1946, and chief cardiologist at Minnesota Veterans hospital during the same time. He was associate editor of *Modern Medicine* magazine since its inception 26 years ago and was editorial secretary of *Journal Lancet*, also a medical publication.

A private practitioner in Minneapolis for 46 years, he was a life member of Minnesota and Hennepin county medical societies and member of American and Minnesota Heart associations. He was also a member of the Central Society for clinical research and was active on the staff of Mount Sinai hospital.

'27

Dr. Walter C. Willis '27DDS died in November. He practiced dentistry in Waterloo, Iowa early in his career, but was a resident of Detroit, Michigan at the time of his death.

'28

Arthur W. Smith '28BA MA died in Anoka following a long illness. Formerly personnel director in the state division of public institutions and chief of classifications for the state department of social security, he was forced to retire because of ill health. He died at the age of 58.

'23

Dr. Richard Stanley Ahrens '23 MD, Hot Springs, Ark., died July 1, 1961. He was 67 years old, and a practicing psychiatrist.

'37

Dr. Ben Sommers '37MD, widely known St. Paul, Minn. cardiologist, collapsed and died of a heart attack on October 18, 1961. At the time of his death he was teaching a Medical School class in cardiology at Ancker Hospital. Dr. Sommers was 51 years old, and a diplomate of the American Board of Internal Medicine. He was a member of numerous other medical societies.

'39

Dr. Russell George Barnes, Jr. '39 MD, Medford, Ore., died July 13, 1961 of cancer at the age of 46 years. He was a member of the American Academy of General Practice, and veteran of World War II.

'42

Dr. Max Marcus Tenen '42MD of Downey, Calif. died May 11, 1961 at the age of 45 years. He had interned at Minneapolis General Hospital, and was a resident physician there and at the University Hospitals.

'51

Dr. Hymie Gull '51MD died on February 10, 1961. His death was due to bronchogenic carcinoma. He had practiced and resided in Chino, California.

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Remember? The bluebooks were passed, the exam questions posted . . . then the panicky moment of blankness before facts gradually swam into focus. Final exams were the crucible of study and, in a real sense, forerunners of the many "moments of truth" for which each of us must prepare throughout life.

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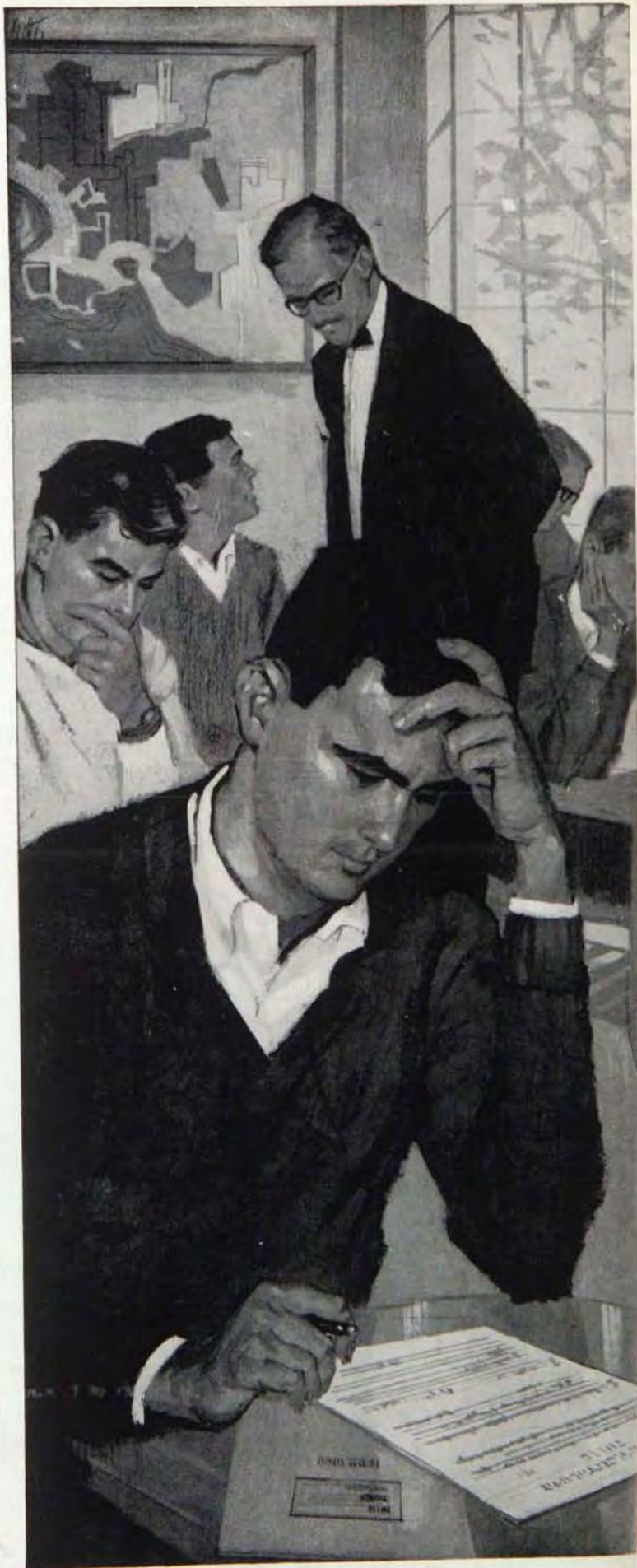
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THE UNIVERSITY OF MINNESOTA

ALUMNI NEWS

FEBRUARY
1962

DIALOGUE OF
FAITH AND REASON

THE SECOND ROSEBOWL
INVESTMENT IN INTELLECT
UNITY THROUGH DIVERSITY



Continuing the Minnesota Alumni Weekly which was established in 1901, the Minnesota Alumni Voice and the Gopher Grad. Published monthly from October through June by the Minnesota Alumni Association, 205 Coffman Union, University of Minnesota, Minneapolis. Member of the American Alumni Council.

Margaret M. Brewster '59BA Editor
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people in the news
around and about

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COVER STORY

Symbolizing the unity of faiths on campus is this group of religious advisors, top left to right, Rev. George Garrelts, Roman Catholic; Rev. Harry Huxhold, Lutheran, Rabbi Louis Milgrom, Jew. The picture is completed by Dr. Henry Allen, professor and coordinator of student religious activities. For the story of the ecumenical dialogue among faiths, the intellectual dialogue between the religions and the university, turn to page 14.

* * *

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Back Talk

Money's Worth

Mr. Haislet:

We would like to congratulate you and your helpers on the very fine job you did arranging the Alumni Tour to the Rose Bowl.

The tour was a terrific success and also very reasonable. We surely got our money's worth. In fact we liked the tour so well that if a tour is arranged next year; regardless of what team represents the Big Ten, I'm sure we would like to go again.

Almost everyone we talked to about the trip was very pleased.

Once again, congratulations to you, Mr. Haislet, and your staff.

Mr. and Mrs. Ralph Luchsinger
Minneapolis

Editor:

Many years have passed since I left the University but I did enjoy watching the Game yesterday via TV.

It was thrilling and of course I was proud and happy at the outcome.

Perry Hanson '99
Iola, Kansas

All in Free

Mr. Haislet:

Please accept my thanks for the tickets you sent to our home for the DePaul game on Dec. 2, 1961. They were sent to our daughter but since she was out of town and unable to attend my wife and I went and enjoyed it immensely.

We have been attending off and

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Granby, Colorado. Constructive, exciting summer program for boys 12-17 who have "outgrown camp." Station wagons from Conn. to ranch in June. All ranch activities plus geology, climbing, fishing, shooting, work program. Trips Sierras, Southwest, Canada from ranch. 16th season. Veteran staff, R. N. Separate western travel program for girls 14-18, 4th season. For folder & prospectus boys', girls' programs, write:

Mr. & Mrs. C. A. Pavak
Rumsey Hall School Washington, Conn.

on for years and it was nice to go free for once. You certainly didn't hurt the University by doing this, so I wanted to put it in writing. Again let me congratulate you for the wonderful idea.

K. M. Trygstad
Minneapolis

Mr. Haislet:

This is to acknowledge receipt of your recent letter enclosing two tickets to the Arizona State basketball game of last evening. I might have acknowledged this sooner, but I wanted to be able to report as to what disposition I made of the tickets.

Yesterday afternoon the fifth grade class of Breck School of which my eleven year old son, Burnett G. Sullivan, is a member had a skating party at the school followed by a light supper which was attended by myself and some of the fathers. After that I took Burnie to the game, his first, and I am most happy to say that we both enjoyed it very much, especially the outcome. We both appreciate very much your sending me these tickets, and I want to take this opportunity to thank you for them. This program is a wonderful gesture on the part of the Athletic Department and the Association.

Goodrich M. Sullivan, '25, '29
Minneapolis

Two hundred pairs of complimentary tickets for each basketball and hockey game of the 1961-62 season are being mailed to randomly selected alumni. The program, initiated by the Alumni Association, was made possible by the cooperation of the Athletic Department.

Backlog re-homecoming

Dear Members:

To tell you that I appreciate the great honor bestowed upon me of Alumni King for the 1961 Home-

coming is putting it mildly! The privilege of working with the youngsters during the show was one of the highlights of my life. I enjoyed every minute of my reign as King. I am sure anyone to whom the honor is presented will be thrilled at the experience.

Thank you all again for this great honor and for the privilege of enjoying the younger generation.

George L. Faber
Chicago, Ill.

Un-Welcomed

Mr. Haislet:

I would like to make a suggestion concerning the Alumni and future Homecoming activities.

My wife and I drove in from Shakopee to join a group of our student friends for the dance and a get-together following it. We had planned to buy our tickets at the door, being unaware that they were not to be sold. To be sure, mention had been made in the Alumni News concerning sale of tickets but it was so small that it slipped my eye. Moreover, it said nothing concerning no sales at the door. A large, bold notice such as the one concerning Rose Bowl button sales (page 34 of October issue) would have served the purpose much better. Such a notice appeared in the Minnesota Daily but since the alumni do not receive the Daily they cannot depend on it for information. As it was, we had to go out in the rain—we were not even allowed the use of the corridors to go to our car parked in the garage below the Union—to seek some other form of entertainment while our friends enjoyed the dance. This was hardly a fitting "Homecoming" to an alumnus and his wife.

As we waited in the vestibule we saw the lounge and corridors filled with non-dancers who were sitting and standing, not taking up a bit of ballroom space, plus a steady stream of dancers who were already leaving after one hour. In the days following the dance we



*official design
seen at 1961,
1962 Rosebowl*

"M" women's beret—maroon wool emblazoned with golden "M." Satin-lined. Ribbed knit band for adjustable, comfortable fit. \$2.50

C men's cap—maroon wool sports the golden "M" stitched on for durability. Fully satin-lined, leather headband, sizes 6¾ to 7½. \$2.50

A
P
S add 25¢, postage and handling, for each cap. mail order to: Minnesota Alumni Association, 205 Coffman Union, University of Minnesota.



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heard of several students who had bought tickets but had not used them who "If they had known . . ." Yet with all this extra space an alumnus wasn't even welcome to his Homecoming.

An additional suggestion would be to have a group of tickets on hand at an Alumni booth in the vestibule for alumni businessmen and others not able to procure tickets in advance or who, because of living in other towns or states or because of business commitments, cannot make plans until the very end.

I enjoyed my years at Minnesota and have many fond memories, including the trip we took to back the Gophers at the Rose Bowl in January. My alumni membership is in good standing and my dues are paid. After all this, the closed door we received on Homecoming Night was very unwelcomed. We felt ashamed and embarrassed for the University and very humiliated ourselves.

I hope that this will not happen in the future to other Alumni. By bold notices in the Alumni News and last-minute ticket booths I am sure that it can be avoided.

Thomas A. Philipp '61
Shakopee, Minn

You'll find more than a good night's rest at the

MIDWAY MOTOR LODGE

Next time you're around the Twin Towns (on business or pleasure) make the Midway Motor Lodge your headquarters. Located within minutes of downtown Minneapolis or Saint Paul, this luxurious new motor hotel offers:

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A rose to any other coach could never smell so sweet as did this bloom to Murray Warmath returning to Minnesota with the winners of

Rosebowl 1962 ▶

Memo

TO: Association Members
FROM: Executive Director
SUBJECT: Rose Bowl Aftermath

The second trip to the Rose Bowl is a more enjoyable experience. Everyone knows what to do and when to do it. Things can be taken in stride. Crises are smaller; pressures are less. It follows, therefore, that it would be no task at all if it could be planned for each year. For that reason, the suggestion is made that the Conference of Western Universities contract with Minnesota to play in the Rose Bowl each year. Then an alumni office could be maintained in California and life would be most pleasant. Of course, the contract should read that Minnesota would win, too, because that really helps — especially the second time around.

For the first time in the history of Big Ten participation in the Rose Bowl, the organized alumni movement to Pasadena was by air. The tour, the most comprehensive ever offered, included six nights at the famous Biltmore Hotel, a tour of Disneyland, reserved seats for the Rose Bowl Parade, Rose Bowl tickets (unfortunately all in section 14), New Years Eve party at the Biltmore Bowl, the fabulous Big Ten party and two days in Las Vegas at the Dunes Hotel — all for \$315. What a bargain and what fun!

Alumni Headquarters was maintained at the Biltmore Hotel in Los Angeles. This second largest hotel in the country is famous for its food and accommodations. Eddie Bernard and his son, Barron, operate a great hotel. Their service and cooperation were the best ever experienced. Minnesota alumni will always find the welcome sign out at the Biltmore.

The Golden Gopher Hospitality Room again proved to be the most popular alumni activity. It was the place to meet friends and classmates. Hamm's Brewery again provided free beer. Assorted cheeses made in Minnesota were furnished through the courtesy of the Minnesota Cheese Industry Association and the American Dairy Association of Minnesota. Peculiar as it may seem, less beer was consumed this year than a year ago — but almost double the amount of cheese was used.

The President's Reception at the Huntington-Sheraton on December 31 was attended by over two hundred alumni. In line to greet and meet alumni were Governor and Mrs. Elmer Anderson; President and Mrs. Wilson; MAA President, Dr. Virgil J. P. Lundquist and Mrs. Lundquist; Southern California Alumni Club President, Bob Swenson and Mrs. Swenson and Northern California Alumni Club President, Bob Bennighof and Mrs. Bennighof.

The Big Ten Party was the best ever. One of the reasons was that our own Halsey Hall acted as toastmaster and ran the show. The entertainment was excellent, with Bob Hope really superb. Warren Dunnell, '16 BA, as President of the Big Ten Club of Southern California, was the big boss of the party. Dick Beal, loveable Michigan

Stater, was in charge of the entertainment and did his usual great job.

The Minnesota Band was tops although Band Director, Frank Bencriscutto, and some band members had to get out of a sick bed to perform on New Years Day.

UCLA was a gracious host. They just couldn't do enough for Minnesota people. Their alumni luncheon, attended by 1,000, was an outstanding affair with Pat O'Brien, of movie fame, acting as Master of Ceremonies. The UCLA card section stole the Rose Bowl half-time show. What a display!

The pressure for Rose Bowl football tickets was even greater than a year ago. The demand was principally from Minnesota alumni on the west coast, some 6,500 of them. Under the present ticket allotment of less than 17,000 to the Big Ten representative, it is impossible to take care of all requests. When you figure that only 40,000 applications were mailed and yet over 20% of the requests could not be taken care of, then you can realize the great number of Minnesota Alumni who never had a chance to get a ticket. At the present time, there are over 140,000 degree holders of the University of Minnesota and some 400,000 former students. More applications could have been mailed.

One of the things that should be negotiated in the new contract is for more and better Rose Bowl tickets. The west coast school receives over double that of the Big Ten. Also, almost two-thirds of the tickets received by Minnesota were behind the goal line. All tickets received by the Big Ten school should be between the goal lines — and the Big Ten should have at least 5,000 more tickets if they are to satisfy even minimum demands. Most Minnesota alumni couldn't get tickets but if they did, most likely they sat behind the goal line. Not the best way to build good will, especially when every "two-bit" travel agency has tickets on the fifty yard line. When a University goes to the Rose Bowl, the least expected is to build good will. At the present time, because of the ticket situation, that is not possible. A better ticket deal for the Big Ten is a must!

The Minnesota football team and its coaching staff did themselves proud. They were ready this time and revenge was sweet.

It was a fine experience. Nice to go a second time but even nicer to win. Nice, too, to contemplate that on January 1, 1963 the alumni staff will be able to sit back and enjoy the game by television.

Sincerely,

Ed Havel



Alumni funds--mainstay of

Investment in Intellect

Freshman Scholarship Program

The girl next door, the boy down the street, or more probably, a young person you've never met may be using your money to make a down-payment on his education.

If you've added your 'widow's mite' or banker's million to a fund called Alumni Freshman Scholarship Fund, you're most certainly investing in the future of one of the 324 highly talented students now on campus with the aid of a scholarship.

The Freshman Scholarship program includes aid of three types: (1) general scholarship—applicable at any of the four campuses, made applicable to any field of study, contributed by the Minnesota Alumni and various other special funds; (2) general one campus scholarship—awarded for one of the four campuses and applicable only on that campus; (3) special scholarships—applicable to specific fields of study, useable within a specified department.

But all three divisions are ad-

ministered as one and one application receives consideration by all. So to see how freshmen and funds meet, only one man need be consulted, George Risty, director of Loans and scholarships and supervisor of the freshman funds.

Each year the story, with some modification, is the same. While everyone else welcomes the new school year, Risty counts his success—the freshmen entering with

University financial aid—and projects himself into the future.

A major mailing leaves his office in November. An outline of the scholarship offerings and a request for orders of application forms go to every highschool in the state. During the following weeks; form orders return and are filled. After this, contact with the student begins.

Each applicant must thoroughly introduce himself by correspondence. He submits objective facts—family income and circumstances, school record, community record, etc. and subjective facts—his ambitions and opinions concerning his potential as a University student and references which his associates are willing to write.

Applications trickle into the office slowly at first, but by January the stream is steady. Just before deadline—this year the twelfth of January—hundreds of applications reach the office, ready for the first stage of processing.

Dear Ed, Please . . .

The Student Bureau of Loans and Scholarships received a letter of application from the western part of the state with this salutation: Eddy Hall, Freshman Scholarship Committee: Dear Mr. Hall . . .

THE MINNESOTA DAILY,
January 19

The forms are shuffled immediately to a smaller office, where under the direction of Bill Hambley, graduate administrative fellow, and three part-time assistants, they are subjectively read and compressed into standardized short form.

The resulting, brief but comprehensive profile on each student includes basic information such as his rank in class, aptitude scores, vocational or professional ambition and family situation which gives indication of his ability to receive funds from other sources.

The latter factor, available family income, is one of the important considerations in granting aid; yet it is one of the most difficult items to evaluate. As any breadwinner knows, the factors affecting income are infinite.

Director Risty, who earned his own bachelor's and master's degrees over obstacles of financial hardship, has made the evaluation of student financial need his topic for a doctoral dissertation. In preparing his paper on "Measurement of Need in Student Aid Cases," he has done extensive research to arrive at a workable formula which will measure the importance of parental age, number and age of dependents, financial demands of vocation or profession, health problems, etc. Risty, the first full-time director of the bureau and instigator of numerous scholarship and aid programs on this campus, is anxious to make such evaluations as precisely as possible. The often painful task of choosing few among many qualified students, he feels, should be as free as possible from human error.

Still, a form of condensation is necessary, when the selection begins, the University Scholarship Committee will have only one day to consider nearly 1,200 requests for aid.

The committee includes three University officials, three alumni, and two representatives of the state system of secondary schools. Similar committees will meet on other campuses and in various departments to determine the winners of special scholarships.

Decisions are contingent on five criteria: (1) academic aptitude—actual performance in high school as indicated by rank in class, measured ability indicated by any test data available; (2) leadership potential—extra curricular activities; indications of activities in the community, the church or other groups; (3) vocational promise—motivation and creativity as indicated by recommendations of counselors, teachers and other spokesmen; (4) personal attributes—dependability, citizenship, loyalty, responsibility; (5) relative need—consideration as to which of the otherwise equally qualified applicants are most in need of financial help.

A relative priority is assigned by the committee to each of the applicants, and the list is returned to the bureau of scholarships to be matched with available funds.

So far, not a word about money has been spoken. The committee for selection is primarily concerned with student ability, not University budget.

The bureau of loans and scholarships itself can do little about funds except to provide a picture of need, encourage sources of contribution and hope!

The money reaches the bureau from various sources. The greatest share of contributions comes from alumni. Special college groups, the

Continued on page 12



Nearly 1,200 applications are now "in the works" for consideration of financial aid in the fall of 1962. Examining them is George B. Risty, director of Student Loans and Scholarships.

Wulf Massell, physics student, chosen from district 23, St. Paul, to receive tuition, fees and book allowance. A resident of the United States and of Minnesota for five years, it is his ultimate goal to become a research physicist. Ranked seventh in a class of 248. A participant in special science study programs, he has also progressed on his own and completed an essay on "probability theory" and engaged in a study of fuel cells. Previous to entrance to the University he completed college courses in physics and zoology at St. Olaf and Hamline university. In his application he states, "Besides my desire to study physics, I am seriously considering another field of interest, the study of language . . . I have earned, and am presently earning a large portion of my spending money through translations. I feel that with the proper environment and further studies I can extend my knowledge of languages."



Charles Mayer, IT engineering student, was chosen from district 7, Benson, to receive tuition and fees plus book allowance and maintenance allowance. Extremely interested in science, his extra curricular activities are limited to that area. His rank in class was seventh among 123 students and his aptitudes point to potential for success of his ambition to become an aeronautical engineer. Describing his motivation he states, "I believe the brightest future is that of the engineer. In an already complex society, made more so by the increasing abundance of sophisticated machinery, the demand for skilled technicians and engineers is sure to grow." He is commended by advisors for "creativity" and of him is expressed the belief that "surrounded by the atmosphere of a college, he will develop his full potential."



Randy S. Uner, SLA student majoring in Pre-law, was chosen from district 22, Mound. Commended for academic achievement by the National Merit Scholarship Foundation, he received excellent character ratings by school and community officials. "His behavior," states his advisor, "indicates that he is interested in 'ideas.'" His aptitude scores indicate that he has ability to succeed in his chosen field. His own application states that "From my college education, I expect to extend my general knowledge and receive specialized training for my career."



Investment in Intellect

Continued from page 11

Alumnae, the senior class, the MAA contribution of memorials to deceased members, and other special funds are important to the cause. But the largest single contribution is the Alumni Freshman Scholarship Fund.

This fund is administered by the Greater University Fund under the direction of Joseph Davidson. The amount, which last year was \$24,100, comes from two groups of alumni contributors—those who contribute specifically to scholarships and those who mark their gifts to the GUF "unrestricted." Part of the unrestricted gifts are used for research and fellowships, but by far the largest percentage is released each year to the scholarship fund.

The total amount of money directed to freshman scholarships, of course, varies each year. But the goal each year is the same—to use all of the money to greatest advantage by investing it in the most capable students.

Insofar as possible, the awards are scattered throughout the state—alumni money going to the most able boy and girl in each district (there are 33 boys and 39 girls currently on campus receiving scholarships through the Alumni Fund contribution). The amounts awarded range from honorariums of \$100

ALUMNI NEWS

to maximum amounts of \$500.

Applicants are notified as soon as possible. Each year some students decline their prize in favor of another college or university or for personal reasons. The rate of refusal is not high, but the opportunity for help is immediately passed on to an alternate. Before the school year ends, all available money is allocated to winners; in the fall, slight adjustments will again be made as students' plans change during the summer.

For the program aimed at 1962-63 (now near the point of Committee selection of winners), the time schedule has been stepped up. By April 1, applicants will receive news of awards. Student planning will be facilitated by earlier notification, and the University, by default of a late bid, will not be forced out of the "running" for top scholars.

"There is always competition," states Risty, "for the very top people. However, those aren't the only ones we want to help." He regrets in fact, that so many students are frightened out of the program by overwhelming competition.

"It's true," he says, "that we cannot help all of the qualified candidates that apply. But our general philosophy is to help the able, and especially the able but needy students who have the ability to make a significant contribution to the future welfare of the state."

The six students featured on these pages were randomly selected from 72-39 girls and 33 boys—currently receiving scholarships made possible by the Alumni Scholarship Fund.



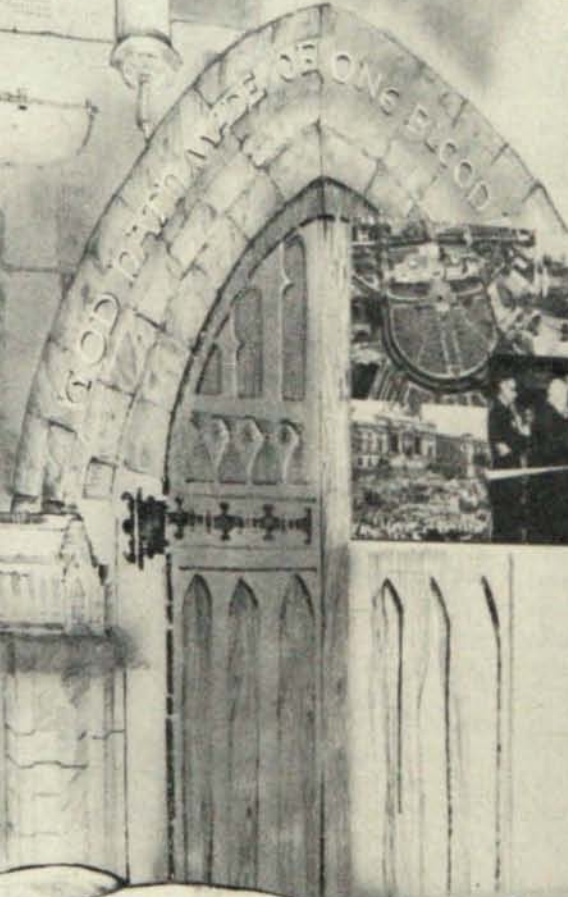
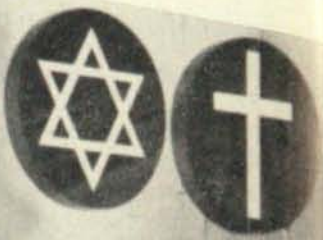
Deborah Bixby, SLA student majoring in languages, was chosen from district 23 to receive tuition and fees. Scoring exceptionally high on academic aptitude tests, and ranking third in a class of 637 students, she was recommended by counselors as being "well organized" and having "excellent work habits." In addition, she was commended as a "participating citizen in worthwhile activities." An American Feld Service scholar in Germany for one summer, she noted that it was discouraging that "Americans did not seem interested in learning another language than their own. I want to go to college to learn as much as possible about languages in order to help others to do the same, so I can do my bit to dispel the idea that Americans 'don't care.'"



Karen Hallback, majoring in political science, was chosen from district 19, Cloquet, to receive full tuition and fees at the Duluth campus. Ultimately hoping to serve with the foreign service of the United States, she was described by a high-school spokesman as possessing a "great natural asset of poise and leadership ability." She stood in the 95th percentile of her high school class. Her own letter stated, "It is my firm conviction that one enjoying the privilege (of college education) should do the utmost to widen and deepen his intellectual achievement. If I am allowed to continue my education, it is my intention to work long and industriously to accomplish these objectives."



Vanne Owens, SLA major in linguistics was chosen from district 23, St. Paul, to receive full tuition and incidental fees plus book and maintenance allowance. Ranking in the 86th percentile of a class of 635 students, Vanne displayed superior ability on college aptitude tests. Her ambition is to teach "either in the field of linguistics or science." Counselors noted that she achieved an "unusually outstanding record in view of the extreme circumstances which befell her—the death of her parents, a move from California to Minnesota while in high school." Counselors further noted her strong motivation to acquire higher education, and believed that she displayed the ability to make a "good contribution to society."



MINNESOTA-

LAND OF RELIGIOUS FREEDOM
A PRICELESS HERITAGE

Neither insulators

nor ecclesiastical babysitters

the RELIGIOUS on CAMPUS

unite with their invitation

to scholarly faith



**HANDED DOWN
THROUGH FAITH OF OUR FATHERS**

“A clergyman working on campus is rather like a hen trying to lay an egg on an escalator!”

“Thus far we have not thought much about the alumni and what we want them to know about the life of religious centers and their work on campus; principally because we have too much to do in making and keeping our contact with students.”

Speaking candidly, Rev. George Garrelts, Roman Catholic, simply expressed the concern which causes 28 men, Christian and non-Christian, to devote their lives to some 28,000 students—many of whom will never realize nor return the vital interest which is felt for them. Father Garrelts is a member of the University's Council of Religious Advisors (CRA).

The Council exists, along with the Student Council of Religions, because the University administration believes that students will and have the right, to organize and exercise their various beliefs (religious and nonreligious) as groups on campus; and because religious leaders believe that intellectual development of men cannot proceed honestly without concurrent growth in knowledge of religion. For religion, by simple definition, is the “quest for the values of the ideal life,” and as such cannot be a peripheral factor during the student's formative years.

Thus, religious organizations are established, privately supported but officially recognized by and affiliated with the University. They approach the University through the Councils—one of representative advisors, often ordained clergymen; and one of representative students, elected by members of each organization.

The bare framework of the relationship, administered under the Senate Committee on Student Affairs, dictates only that the organizations elect officers, maintain a treasury, frame a constitution and register a responsible adult advisor. The University in turn maintains the office of professor and coordinator of Student Religious Activities. In this post is Dr. Henry Allen, who happens to be not only mediator but the personification of the communion of his two masters—academism and religion.

Dr. Allen's bachelor of arts degree was granted by Yale university, where he was the first appointee to the Kent Fellowship, a position established with a concern for religion in higher education. His MA and PhD were conferred upon him by the University of Chicago, where he studied world religions and presented a thesis on the Islamic World, the social and religious development of Turkey.

Since assuming his post in 1939, he has succeeded in applying himself unbiasedly to his responsibilities. While he is the first gentile on campus to receive the Hillel key, and is an honorary member in good standing of Newman center, he was also recently successful in drawing into the fellowship of campus faiths, the nation's first Hindu society.

The vitality of Allen's position, however, lies in the link he provides between the religious organizations and the University. The success, separately and collectively, of his advisees can come only from within themselves.

The organizations bear strange resemblance to one another. Like an unmodeled army, they appear in different array, unmatched sizes, and as champions of varying contentions. Yet they are united; their common desire is to instill awareness of religion into the student.

Enthusiastic plans are even now in progress for united effort to provide a common center to be built on the west campus. Unanimity extends to laymen representatives of Christian and Jewish faiths, who have recently incorporated as the Laymen for Religion to support work on campus.

This support was organized when representatives of the CRA were financially embarrassed and forced to ask aid for their program of a private businessman. He refused their request as made—he wanted to help on a larger scale! Subsequently, a small group of fundraisers organized, to ask for and offer support for the projects outlined by the religious advisors.

The need and value of such support is justified, of course, only by evaluating the religious organizations' approach to the ultimate recipient of the benefits—the student. Such an evaluation is not difficult: it is impossible. Suffice to say that the effort could hardly be greater, though the result is intangible and a relative unknown. To paraphrase Father Garrelts, the clergy are too busy working to start counting. But they're not too busy to aim for ever higher appeals to interest, and in this endeavor the most successful programming seems to come from the students themselves. In this area the “religious leaders” do not lead; they watch.

“The role of the Church on campus has changed,” believes Rev. Harry Huxhold, president of the CRA, director of the Missouri Synod Lutheran center—one of 13 religious buildings on the campuses.

"The '40s," he says, "brought us togetherness. The '50s brought cynicism. In the '60s we are recuperating from rebellion. The student isn't asking how he can save society; he's asking 'what meaning and purpose is there for me?'"

"The Church can no longer hope, nor would it wish, to insulate a student from unsettling experiences. Rather, it may help him make mature decisions. We would like to establish an image that will encourage the most radical student to come to us for an exchange of philosophies."

Such an exchange, he has found, is by no means one way.

"Important to the Church," Huxhold continues, "is the conversation we have with the University. On campus we see the beginning of social movements. Equally important, we find ourselves (the religious advisors) in conversation with one another. The need for unity develops mutual respect for one another's tradition. The ecumenical spirit is very good, and despite differences, we speak together for theology as a science.

"We stand together in an objective situation; we cannot afford the luxury of competition."

There is no implication that necessity is the only motive for cooperation among the religious groups. For, as one of Huxhold's colleagues states:

"It was my happiest experience to deal with group. They show genuine love for one another."

That is the statement of Rev. George Hall, who speaks from his past year of experience as president of CRA.

Mindful of the organizations as a body, he is specifically concerned with the Lutheran (NLC) Student Foundation. He observes that "students develop into some of the Church's strongest laymen. They have seen the pluralism of American society; they have heard the dialogue between science and faith."

To amplify this dialogue, the Lutheran foundation is offering, as are other centers, an extensive academic program. A significant feature of their new building is the "academic island", a large block of classrooms which occupies an entire floor.

Speaking of his own function, Dr. Hall states that "in appealing to students, the pastor has a secondary role; his role is primarily in meeting with students and offering guidance when it is asked."

This concept of the advisor's role, so prevalent among chaplains and advisors, is underlined by Father Garrelts, chaplain of Newman Club.

"Our approach," he says, "is personal. We must know a student, and be able to talk with him if we're to do very much for him or her. For the most part, we simply make ourselves available at the center—in the lounges, the cafeteria, the chapel, the confessional or the offices."

"Liturgy, Intellect, the Arts, Social Life—association with Protestants and Jews on all these levels that are possible—these are some of our goals. But we absolutely cannot substitute for personal contact."

Assemblies of God
Buddhist
Baha'i World Faith
Baptist
Campus Crusade for Christ
Catholic
Christian Science
Church of Christ
Congregational
Eastern Orthodox
Disciples of Christ
Episcopal
Evangelical Covenant
Hindu
Inter-Varsity
Islamic
Jewish
Latter Day Saints
Lutheran (NLC)
Lutheran (Synodical Conference)
Methodist
Presbyterian
Seventh Day Adventist
Unitarian-Universalist
Y.M.C.A.
Y.W.C.A.

"Pursuit of knowledge for its own sake, the great worth of knowledge in perfecting a man and making him tolerant—the ideas of John Henry Newman—are very important to us. Newman was also a champion of theology as an academic subject in any University dedicated to universal knowledges.

"Our hopes are for a full theological program, not along proselytizing, but along educational lines—not to compete with the University, but to make up for a certain religious knowledge deficiency in the University diet that might very well leave our students 'theologically illiterate'."

Garrelts is also concerned with the image of religious foundations and believes them to be unfortunately lacking in prestige. Students, on the other hand, he finds lacking in commitment and generally in need of 'civilizing'.

"Challenge must be instilled," he declares, "and emphasized in the lives of our students."

Another veteran of campus ministry, in fact the young "elder" of the CRA, Rev. James Boren, likewise comments on the erratic interest and appearance of students.

"A clergyman working on campus," he contends,

Continued on page 20



Creativity is asked of the student and he is given free reign. " . . . they make mistakes, but mistakes stimulate development . . . energy and plan for improvement may grow out of failure."



"the great worth of knowledge in perfecting a man and making him tolerant."



Photos courtesy of B'nai B'rith Hillel Foundation and Newman Club



The Religious
on
Campus

“ . . . we simply make ourselves available—in the lounges, the cafeteria, the chapel, the offices . . . our hopes are for a full theological program, not along proselytizing but along educational lines.”





Gamma Delta, Lutheran (Synodical Conference)

"... we hope to create an image which will encourage the most radical student to come for an exchange of philosophies."

Continued from page 17

"is like a hen trying to lay an egg on an escalator!"

In his experience as director of the Presbyterian center, where he began his work in 1939, Boren finds that students appear and disappear fast as foxes. Still, he accepts this fact as part of his challenging work on this campus and others, for he is also National Chairman of the Association of Campus Pastors. From this vantage point, speaking for his particular faith, he sees three aspects of Church responsibility in the community of learning: (1) to confront the University from within with a community of obedience to God; (2) to provide those who look to their study, research and teaching as a service to God and to provide a dimension of commitment to the academic enterprise; (3) to serve the academic community in pastoral care . . . bearing the major burden of sensitivity to personal needs of those who are victims of de-personalization."

The religious center, he visualizes as being indispensable and "ideally ecumenical in its development."

The center, would agree yet a fifth spokesman for religious organizations, is essential. But "the 'foundation' is a figment of the imagination."

That opinion is offered by Rabbi Louis Milgrom, director of one of the liveliest centers on campus.

At the last official survey, over 1,500 entries into the B'nai Brith Hillel Foundation were recorded. Milgrom's problem, if any, in terms of numbers is having too much traffic in his building. He hopes that his organization will not "outgrow" the welcoming atmosphere of intimacy and friendship — very like the nature of a home. The vitality of the center is inten-

sified by the presence of two Israeli graduate students who live in the building and by the resident custodian and his wife, Episcopalians, who have become "Ma and Pa" to their Jewish student family.

The program at Hillel is student inspired. It has no single-headed approach but does emphasize one quality — creativity.

Students not only instigate programs, they plan and present the content. Even incoming freshmen welcome themselves by designing a career conclave, organizing discussions and producing skits to dramatize their aspirations as University students.

"Mistakes," admits the Rabbi, "are made by these students, but mistakes stimulate development. The energy and plan for improvement may grow out of failure."

On some occasions Hillel programs are expected to draw a crowd of 300 people. But there is equal pleasure at the success of a seminar which draws only 10 people who share a profoundly interesting evening.

Are numbers the measure of success?

"We were all shaken" recalls Rabbi Milgrom, when an Israeli student addressed us one Friday evening and frankly faced us with his impression of our campus, our country.

"'You are a finished society,' he said.

"He meant, of course, that our goals had apparently been reached; that our society was 'complete'. Yet his word struck us again and again — *finished!* Our own questions — and unfortunately, some defensiveness — were stirred by his:

"Yours is a finished society. In spite of all your activities and learning, I am bound to ask, will it last?"

Academically, socially,
the University prepares
students for

Pre-Theology

The clergy, the rabbi, the dedicated laity — all are found working on the University campus, but how many people assume that one of them might be an alumnus? Does the University, often assumed to be "Godless," extend a valuable offering to those entering the professions and vocations of religion?

The representation of theology among the disciplines is, in fact, somewhat incomplete; but preparation for theological training is not only adequate, but advantageous to the prospective ministerial or rabbinical student.

Several years ago the College of Science, Literature and the Arts discovered that it not only could train pre-theologians, but that it had been doing so — although, rather poorly.

University graduates seemed to apply in considerable numbers to seminaries and religious institutions for postgraduate study. There, they discovered, too late, that they were handicapped — not by gaps in the University program, but by their own ignorance of what they should have taken from it.

The first interdepartmental faculty committee to establish an outline for pre-theological training was subsequently formed. A curriculum was devised to meet the requirements of accredited seminaries. The four-year program of liberal arts leading to a Bachelor of Arts degree has continued since that time.

Reflecting the suggestions of faculty members, University chaplains and clergymen throughout the state, the program involves studies concentrated in several areas — history, language and literature, philosophy, the social sciences, and the fine arts.

"The curriculum is not easy," states William McDonald, current chairman of the pre-theology program committee, "but we have received good reports on our students. They tell us themselves and we hear from their seminaries, that they are well prepared for advanced study."

McDonald does note a lack of Hebrew studies among the University offerings, but a student can supplement his knowledge in this area by taking evening extension courses.

The curriculum permits a choice of alternative programs should the student change vocational plans during his college years. By the end of the sophomore year, a student should be able to complete a scientific, pre-medical, or teaching curriculum with very little adjustment. By the end of the junior year, completion in the usual four-year span, of a major in history is feasible.

Even if a religious vocation is rejected upon graduation, the curriculum will have provided the kind of broad, general background in liberal arts that is increasingly in demand in business, in law, in teaching and in graduate study.

The freshman who elects this program is given a special counselor, usually a seminary graduate. As he advances he is assigned a senior faculty member as advisor.

Besides McDonald, there are four senior advisors, who represent the departments of philosophy, history, English humanities and Slavic and Oriental languages. Each man harbors a particular interest in the study of religion.

The most difficult part of their task, they agree, is simply to identify prospective students of theology. The student, of course, must seek them for counsel, and surprisingly, many are reluctant to make known their interest in religious work. "It's impossible to estimate," says McDonald, "the number of students now on campus who intend to work in their church. This year there are possibly 25, certainly not more than 30 students who are participating in the program. But we know that there are many, who due to personal preference or perhaps unawareness that such a program exists, will never consult one of us regarding his plans.

"It's disappointing," he adds, "because sooner or later they will have to take basic courses, and it would be to their advantage to do it as early as possible.

"Basically," McDonald concludes, "the program holds no disadvantage for any denomination."

As stated in the program brochure: "The University community offers opportunities of acquaintance with men and women of many nations, cultures and creeds. You will meet teachers and students who share your religious beliefs and those whose beliefs are quite different. Since an effective Minister must sooner or later come to terms with such diversity, the college years are a good time to begin.

"Extra curricular religious activities are provided by more than thirty religious groups and foundations. Here students and faculty worship together and meet for discussion in a spirit of religious fellowship.

"Sharing in the community life of two large cities is another opportunity . . . the churches welcome student observation and participation. In local settlement houses and community centers students may work with and learn to understand, the problems of underprivileged children, the aged, the physically disabled, and the mentally disturbed."

The story of a

Panel of Americans

Unity through diversity is the theme of the Panel of Americans. Promotion of understanding among various racial, religious and cultural groups is its purpose.

"For the past ten years," states E. G. Williamson, University dean of students, "the problem of intergroup relationships has been a most perplexing and difficult one on this campus. While we have avoided open rupture among groups, even in the case of such a delicate issue as discrimination classes in fraternity constitutions, we have never been able to develop a program which would build relationships and attitudes of a positive nature.

"Various student organizations, as well as members of the staff, have from time to time tried to arouse interest in a human relations program of one sort or another. Nothing worked successfully, even for a short time, until the Panel of Americans program was introduced. This year the program has proved highly successful both among University students and in the community at large."

"A difference, to be a difference, must make a difference." This philosophical dictum of pragmatism has special meaning to more than 20 University students who alternate to form the panel. These representatives of different ethnic groups do not deny their differences; neither do they decry them. For this group, mutual understanding and a respect for variance provide a basis for colorful and harmonious human relationships and for working together as each supplies a unique contribution to the team.

A complete panel, ready for appearance, consists of five student speakers — Roman Catholic, Negro, Jew, Protestant and one other ethnic American — who go by invitation to campus and community groups, where they discuss the problems and the opportunities arising from their individual situations.

During a typical program, the moderator opens with an introduction and history of the panel. Each member then speaks for a short time — no more than five minutes — on some experience arising from his representation of a faith or race. Then the floor is open for discussion.

The Catholic may be challenged with questions on religious symbolism, fasting, birth control. The Protestant may be questioned about denominational diversity or his belief of hell. Both may be confronted with questions on interfaith dating and marriage.

To question of "is it true that Negro residents lower real estate values?" or "why do Negroes want to move into 'upper-class' neighborhoods?", the Negro panelist may have to explain his rights as an American.

"What is a Jewish 'Christmas'?" may confront another panelist, along with queries into the Kosher laws.

No matter how pointed the question, nor uninformed the questioner, the panelist does his best to answer.

"The common goal which unites us is an educational one, rather than one of social action," panelists agree.

"The panel has given me a lot of knowledge about other minorities in this country, and I have learned how to better explain my own position," says Marjorie Crump, Negro, SLA junior. Marjorie is moderator of the panel.

Jewish panelist, Issac Bonder, SLA sophomore, and Protestant, Sherry Zabrok, also agree that panel appearances are intellectually stimulating and extremely valuable in inspiring personal evaluation of religion.

Participants in the panel must, of course, be carefully selected individuals who are capable of dealing forthrightly with the problems, prejudices and misconceptions which can arise from differences. Representatives of religious groups must have the approval of his campus religious foundation. Each panelist has a "category" advisor who helps him anticipate questions, document his case and frame reasonable and scholarly answers.

All panelists are University students; none receive any remuneration except travel expenses. Their activity is sponsored by the Panhellenic Council, Office of the Dean of Students, the Interfraternity Council, the Council of Student Religious Organizations and the Minnesota Student Association. Financial support which maintains a part-time student coordinator as well as a small travel budget, comes from private citizens and foundations.

The Panels of Americans is a nation-wide program founded in 1942 at the University of California, Los Angeles. It was done as an attempt to ease the racial and religious tensions which had erupted during World War II. With success of the original group, the idea spread throughout the nation, and panels are now active from Boston and New York universities on the east coast to Stanford university and San Francisco state college in the West.

The University's group was first organized in 1950, but due to lack of funds it functioned for only three years. It was reorganized in 1958 and is steadily gaining strength. Each year the panel increases its number of appearances and the range of its audiences.

The greatest demand for its services seem to come in the month of February, before, during and after Brotherhood Week. This year during that time the group is scheduled to visit Hibbing, Minnesota. Sponsored by the Ministerial Association, the members will visit various churches and will participate in a discussion with Association members. Later this month, the panel will appear on television from Wausau, Wisconsin.

Among their 35 to 40 past appearances this year are contacts with junior high, high school and college groups; church groups, civic and service clubs, labor unions, parent-teacher associations, youth conferences and religious conventions.

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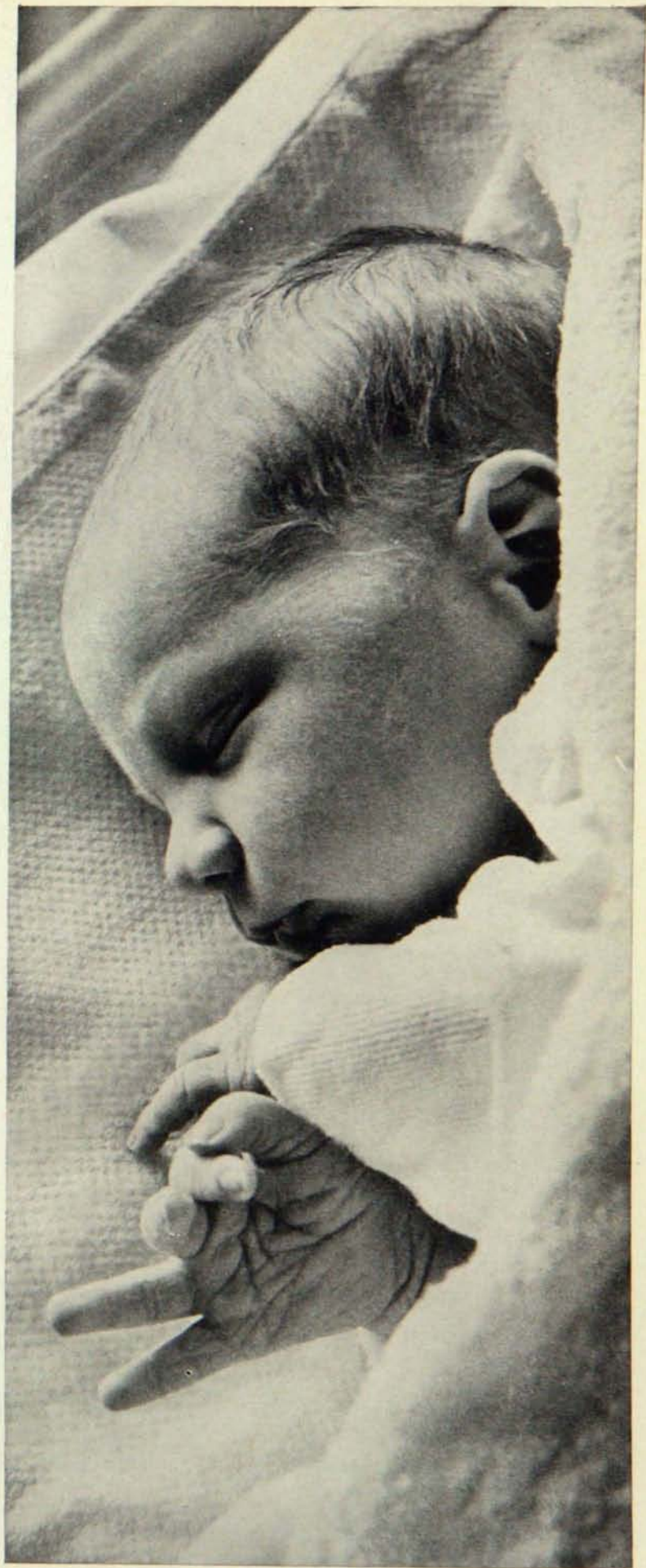
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— THE UNIVERSITY —

More Enrollment

Just released are figures of comparative enrollment for winter quarter of 1962 and 1961. As expected, total enrollment is up and stands at 28,839 as compared to 26,458 recorded in 1961.

The largest college, SLA, registers an increase of 1,542 students or a total of 8,966 students. The smallest unit, University College, has a stable record of 33 enrollments both this year and last.

The number of students in eight of the 18 colleges actually decreased over that of 1961. Those showing a slight decrease include IT; Medical Technology; Medical School, Physical and Occupational Therapy; Nursing; Education; Dental Hygiene; and Business Administration.

At Duluth the student body increased by 171 for a total of 2,663 members. The addition of a new class at Morris boosted the total enrollment there from 226 to 423 students.

Another Winner

A golden arrow float was bearer of the University's Homecoming Queen, a "real live" Golden Gopher and ten of its prettiest girls in the 1962 Tournament of Roses parade Jan. 1 in Pasadena.

Kathleen Murphy, the Univer-

sity's 1961 Homecoming Queen, rode the arrow head. The arrow's golden shaft pierced a bed of roses, edged, on each side, with the name of the University. The Minnesota Pom Pon girls and feminine cheerleaders, dressed in the cheerleader costumes of the Big Ten member schools, Wisconsin, Iowa, Purdue, Indiana, Illinois, Ohio State, Michigan, Northwestern and Michigan State, surrounded the roses.

The Golden Gopher—Wilbur Meiners, favorite of last year's Rose Bowl parade and game crowds—the Minnesota Football Marching Band's mascot who has entertained and amused the Memorial Stadium crowds at all the Minnesota games for the last two seasons, carried on his capers on and around the arrow feather. "Go Minnesota" emblazoned atop the feather, expressed the Big Ten's sentiments for all to see.

Adding its share to Minnesota victories, the float was awarded second prize among institutional parade units.

Farm and Home

Christmas tree farming to beekeeping, a wide range of practical topics, were on the agenda of the sixtieth annual Farm and Home Week held during January on the St. Paul Campus.

The latest information available on agriculture, home and community living was presented by University faculty members and guest speakers during 23 separate sessions planned for rural residents. Everyone interested was welcome; admission was free.

Among the special events of the week was the ever popular Rural Art Show which featured the creations in various media of artists throughout the state.

Tuition Up?

At the January meeting of the University Board of Regents came announcement of the possibility of another raise in tuition.

Discussion of such action, which would hike fees another nine dollars, was held at President Wilson's request, among student leaders, and was done so prior to the Regents' meeting. Despite recent tuition raises—1959 and 1960—there seemed to be relatively little concern among students over the current increase. Registered complaints by students do include contentions that financial hardship would eliminate 20 per cent of the total student body. According to an SLA student board's unofficial survey, 65 per cent of the students are already working at part-time jobs and two-thirds of those would have to add to their work load if tuition increases. Speaking for those who would willingly accept the increased tuition load, vice-president of the Minnesota Student Association declared that "it seems that money is essential to improving the academic standards"; for that reason, students would accept more financial responsibility. The final decision is yet to be made.

ROTC Advances

A significant development in University of Minnesota policy whereby certain Reserve Officers Training Corps (ROTC) courses will receive both ROTC credit and



Minnesotans on parade route.

credit in a related academic department has been enstated.

"This program is educationally very important," Professor Rodney Loehr explained, "because it brings the ROTC departments and other academic departments into much closer relationship. Students in colleges such as the institute of technology and science, literature and the arts may receive credit toward their academic degrees for ROTC courses and, at the same time, meet the officer training requirements of the ROTC units themselves."

Professor Loehr illustrated the meaning of the new policy by pointing out that institute of technology students who take the two ROTC history courses or the political science course can use the credits to satisfy the non-technical elective requirements of a particular college as well as ROTC requirements.

Commenting on the new policy, Academic Vice President Malcolm M. Willey said, "The Minnesota plan now being initiated may well serve as a model to be followed on other campuses. One of the serious problems involving ROTC is that requirements of academic departments have become more and more inclusive, and at the same time ROTC programs have basic course requirements too. The result is that ROTC students have been finding it increasingly difficult to meet both sets of requirements without a serious overload of course work or the necessity of lengthening their college courses.

—RESEARCH—

Studies on the possible relationship between a variety of so-called "rheumatic diseases" will be continued at the University of Minnesota under a new, one-year grant for \$53,514 from The National Foundation-March of Dimes.

The project, under the direction of Dr. Robert A. Good, research professor of pediatrics, will explore the possible link between a host of

Acquisition of land, remodeling, rehabilitation and construction scheduled by the University is at a standstill (as are all state building programs) pending the outcome of a proposed amendment to the constitution of the State of Minnesota.

The amendment, officially endorsed by the board of directors of the Minnesota Alumni Association, would repeal the outdated state debt limitation of \$250,000. Approval of this amendment is necessary for the release of \$7,500,000 of the total \$7,789,351 appropriated by the legislature for the University's building program.

The amendment will appear as number two (II) on the ballot of the state's November, 1962, general election, and will read as follows:

"Shall article IX, Section 14 of the Constitution of the state of Minnesota be repealed and Article IX, Sections 5, 6, and 7 be amended to allow the state to incur indebtedness for temporary borrowing; and to incur indebtedness payable within 20 years for the acquisition and betterment of public lands and buildings and other public improvements of a capital nature when authorized by a three fifths vote of each branch of the legislature?"

rheumatic or arthritic conditions that afflict children.

During the past few years, Dr. Good and his associates have conducted a special Children's Rheumatic clinic at the University of Minnesota hospitals. Among the youngsters being followed in this series are some 130 with juvenile rheumatoid arthritis, a disease which may lead to severe crippling early in life, if allowed to go untreated.

Other children included in the study have various diseases that attack collagen, the substance that helps "cement" together the body's connective tissues, cartilage and bones. These diseases include a number which affect the skin such as lupus erythematosus, dermatomyositis and scleroderma.

Some of these same young patients also suffer from a condition called agammaglobulinemia, in which the body fails to make gamma globulin, the special kind of protein needed for the production of antibodies against germs. This disease, which is sometimes present at birth but may also appear later in life, makes a youngster particularly vulnerable to infections.

A number of other questions on possible family patterns in joint diseases also will be studied by the University team.

Creative Challenge

An attack on the "fourth grade slump" in academic achievement will be launched at the University.

Under a program financed by a National Defense Education Act grant, Dr. E. Paul Torrance will direct a study of the average child at the fourth grade level. Why, he and his associates ask, do children who are bubbling over with educational enthusiasm suddenly seem to lose creative drive in the fourth grade? Torrance hopes that modern techniques such as tape-recorded lessons, may renew the creative challenge that is somehow lost between the third and fourth grades.

Some new methods will be tried this spring in the University elementary school; a more complete program is scheduled for trial in the Twin Cities in the fall of 1962.

Why 'Schizy'

"Schizy — people throw that term around, but if they know exactly what they're talking about they're ahead of almost everyone else."

So states Norman Garnezy, professor of psychology, who has begun a five year study of schizophrenia factors.

"What we are trying to do," he says, "is to create in lab experiments a situation which can be viewed as an analog of earlier life

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Continued from page 25

history to see if the effect of this kind of conduct will result in the less effective functioning of the patient."

For example, how will a patient react when he views a projected slide which reminds him of an earlier experience? Will his behavior be "worse" than that elicited by a "neutral" scene? Such information might help to achieve more insight into which are the areas of greatest sensitivity for a schizophrenic patient.

Schizophrenia is, says Garnezy, "the number-one medical problem in the nation."

His research is on only one aspect of an extremely complex disorder, which may, he states cautiously, have its origin in "a combination of social, familial and biological factors."

The relationship between to-

bacco smoking and lung disease, emphysema, will be explored at University hospitals.

The project, directed by Dr. Esten O. Lindseth, assistant professor of surgery, will deal specifically with the "differential pulmonary blood flow in anesthetized dogs during an acute period of smoke inhalation."

Lindseth will attempt to find out if there is a similarity in the blood flow pattern in dog lungs when smoke is being inhaled and in the lungs of patients afflicted with obstructive emphysema (a disease which causes extreme difficulty in breathing).

"When we have made these comparisons," the doctor states, "then we will see whether there is any relation between tobacco smoking and this disease."

Funds for the study were granted by the Tobacco Industry Research committee.

Permanent Program

A new Minnesota Medical Foundation permanent medical research program has been established at the University medical school.

As of February 1, the foundation offers grants for research conducted by faculty and students of the medical school in the basic areas of heart disease and cancer research.

The program is principally endowed by a legacy of \$200,000 received by the foundation in 1961, donated by the late Arvid Olson, New Town, N. D. From this fund, the foundation will make available up to \$10,000 annually under the new program.

"The major objective of the new program is to provide local aid for young scientists who have promising research ideas and projects meriting support," Dr. Arnold Lazarrow, foundation president and anatomy department head, stated.

"Instructors, residents, interns, research assistants and medical students are eligible to apply, as well as established faculty researchers who have special needs for local funds. Three awards of \$1,200 each

will be set aside from the annual total for medical students."

Dr. Paul D. Boyer, professor of psychological chemistry at the University, was named chairman of the foundation's committee on research grants, which will evaluate requests for funds from this grant.

The foundation awarded \$4,784 in grants to four faculty medical school members during 1961. It also distributed \$26,250 in scholarship awards to 50 medical students and loaned 90 students a total of \$10,740 in short-term interest-free loans during the year.

Medical Recorder

A recording oscillograph and other scientific equipment worth \$5,300 was received by the University medical school as a gift from Consolidated Electrodynamics corporation of Pasadena, Calif.

The equipment will be used by Dr. Marvin Bacaner, associate professor of physiology, to record body activities and responses in several areas of heart and circulation research. The oscillograph is an extremely sensitive electronic device, Dr. Bacaner said, which allows 18 simultaneous measurements of body activities from many different regions of the body.

Dr. Bacaner's research will include studies of heart muscle contractions and detection of the arterial dilution of intravenously injected radio isotopes in the body.

New Repairs

A new surgical technique under study at the University may someday enable a doctor to remove a human organ, make repairs and replace the organ in the body.

A team of surgeons, Drs. R. C. Lillehei, J. K. Langerbeam, and W. R. Scott, is currently experimenting with animals. Organs completely removed from the body are cooled to near freezing temperatures for four to six hours, then are replaced—so far with an encouraging amount of success.

The organ, says Lillehei, "will return to normal functions" eventually, and apparently without the rejection that often follows homo-

graft, or replacement with organs from a different animal.

The technique would allow treatment of the organ that would otherwise be fatal to the animal.

Diabetes Study

The Twin Cities Diabetes association has awarded \$1,200 to the University in support of three research projects in diabetes.

Checks for \$400 each were sent to Dr. Richard DeWall, medical fellow in surgery, for research into "Homotransplantation of Pancreatic Islet Tissue"; Carl B. Heggestad, assistant professor of anatomy, for "The Determination of Corticosterone Levels in the Sera and Adrenals of Diabetic Pregnant Rats"; and Jack Cooper, medical student, for "Quantitative Evaluation of Blood Vessel Alteration in the Retina in Human and Diabetic Subjects and in Experimental Diabetic Animals."

Cancer Research

Research grant payments totaling \$39,602 were received today by the University of Minnesota from the Minnesota division of the American Cancer society for work on 14 cancer research projects.

The payment represented the first half of grants approved by the Minnesota cancer division for the University this year.

Largest among the grants are two for \$10,000 each for continuing research in Hodgkin's disease by Dr. Robert A. Good, professor of pediatrics, and the protective use of fractionated bone marrow by Dr. Sadek K. Hilal, medical fellow in radiology.

The grants also include funds for "second look operations" by Dr. Owen H. Wangenstein, chairman of the surgery department, and a study of physiological effects of vitamin analogs on acute leukemia in children by Dr. William Krivit, associate professor of pediatrics.

University medical and dental researchers will receive almost \$430,000 in federal grants under a new program which encourages basic research.

FEBRUARY, 1962

The grants are among 141 to be awarded in the first stage of a program authorized in 1960. The funds, \$351,468 for the medical school, \$37,700 for the dental school — may be used for salaries, equipment, preliminary exploration of "promising" projects, and for other uses determined by the schools.

Nurses' Grant

The University of Minnesota school of nursing is the recipient of a \$2,800 grant from the National Fund for Graduate Nursing Education (NFGNE).

The grant is the Minnesota school's share of the financial receipts of last year's NFGNE drive to supply financial aid to graduate-degree granting nursing schools in the country.

Teachers Learn

High school science and mathematics teachers will be given an opportunity to return to college next summer for a new view of the subject matter they teach, through a \$215,800 grant made to the University by the National Science Foundation.

The award, part of a \$26.4 million national program, will finance five summer institutes at the University's Minneapolis, St. Paul and Duluth campuses.

The institutes will offer teachers study opportunities in specially designed courses to renew their knowledge of fundamentals, acquaint them with recent developments and advancements in science and mathematics and familiarize them with new approaches in the presentation of subject matter.

—FACULTY—

Five University scientists have been awarded National Science Foundation senior postdoctoral fellowships for advanced research training at foreign universities next year.

George R. Blake, soils professor, will study at the Agricultural Re-



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search center, Germany; Lawrence E. Goodman, aeronautical engineering professor, who will go to the University of Cambridge, England; Maurice M. Kreevoy, associate professor of organic chemistry, who will go to the University of Oxford, England; Warren L. Reynolds, associate professor of inorganic chemistry, who will study at Washington university, St. Louis, Mo., and the University of Cambridge; and Edward P. Ney, physics professor, whose study and research will be done at the University of Sydney, Australia.

Professor Ney, along with Professor John R. Winckler, heads the University's cosmic ray research team which in 1959 detected, for the first time, gamma rays thrown out by the sun. He is currently working on a project of continuous monitoring of cosmic rays by high altitude balloons.

Ford Fellowship

John G. Turnbull, University of Minnesota economics professor, has been awarded a Faculty Research Fellowship by the Ford Foundation for the year 1962-63. His research topic is "The American Economic Security System: A Critical Appraisal".

This is the sixth time a member of the Economics Department at the University has been awarded this fellowship—a record that has been equalled by, at most, two other economics departments in the country.

National Chairman

Professor Richard C. Jordan, head of the University of Minnesota mechanical engineering department, has been appointed chairman of the division of engineering and industrial research of the National Academy of Sciences-National Research Council, Washington, D.C.

The organization is a quasi-governmental agency established to administer scientific and research programs requested by government, industry or other national groups. As chairman of engineering and industrial research, Professor Jordan will visit Washington two or three times a month to direct one of the agency's most active divisions.

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Bell Curator Elected

John Parker, curator of the James Bell Collection of the University of Minnesota library, has been named permanent secretary of the Society for the History of Discoveries.

This appointment, Parker said, now gives the Bell Collection a central point in the society, which includes scholars from the entire world.

African Education

R. E. Summers, University dean of admissions and records, left January 4, to spend two and one-half weeks in Central East Africa for the African Scholarship Program of American Universities (ASPAU).

Dean Summers is a member of one of three teams of American college and university representatives who will meet with African educational commissions in setting up scholarship procedures and will assist in interviewing prospective students for American schools.

The ASPAU, with headquarters at Harvard university, has 400 member American colleges and universities. It works with educators in African countries to improve educational opportunities and resources.

Swedish Award

Professor Alrick Gustafson of Minneapolis has received the Henrik Schück award of the Swedish Academy for his book, *A History of Swedish Literature*, which was published in the past year by the University of Minnesota Press. The award was presented to Professor Gustafson at the ceremonial meeting of the Academy in Stockholm on December 20. Professor Gustafson, who is chairman of the department of Scandinavian at the University of Minnesota, is spending the current academic year in Sweden on a Fulbright research grant.

National Boards

Dr. Leroy Nelson, professor emeritus of sociology, has just finished serving, at the invitation of

the secretary of State, as a public member of the 1961 Foreign Service Selection Boards.

The selection boards are formed each year to review the personnel files of the Foreign Service and to recommend officers for promotion. The Foreign Service is charged with representing the U. S. Government abroad.

Having completed his duties in Washington, D. C. Nelson with Mrs. Nelson is in Italy, where he will spend a year studying land reform.

—SPORTS—

Basketball

The bright news for basketball's John Kundla, this winter has been the aggressive rebounding of center Tom McGrann, forward Ray Cronk and the brilliant play of forward Eric Magdanz. Magdanz, the Minneapolis South graduate, was averaging nearly 22 points in the Big Ten heading into the contest with Ohio State.

It was Magdanz who sparked wins over Purdue, 81-67, and Indiana, 104-100, in the first league encounters with those two top-ranked teams. He hit 27 against Purdue in the first surprise and then raked in 30 points in the record splurge against Indiana.

The 104 points registered against the Hoosiers was the most ever scored by a Minnesota team, and bettered the old record of 102. Indiana's 100 points was the most ever scored by a losing team in the Big Ten.

Kundla found his starting guards in the first two wins; Bob Bateman and Don Linehan lived up to early season praise. Against the Hoosiers, Bateman scored 14 and Linehan 17. Bateman is a junior and Linehan only a sophomore.

Others who have performed well in the backcourt have been scrappy Al Druskin, Jim Gilbertson and Don Stang.

In pre-season games the Gophers were hot and cold, turning on the steam against Arizona state and then playing sub-par basketball against Temple. In other games Minnesota lost to DePaul, Maryland, Bradley, Marquette and Wake Forest while beating Memphis State, Southern Methodist and Miami of Ohio. The highlight of pre-season was the trip to the Hurricane Classic in Miami, where the Minnesotans split games with Temple and Miami of Ohio.

Hockey

The Hockey Gophers romped through their first five games, and then did an about face and lost the next four. The four losses came in league play and put John Mariucci's team in seventh place.

The top four teams in the Western Collegiate Hockey Association will meet in post-season playoff to determine two entries in the NCAA tournament. The play-offs will be held at Minnesota if the Gophers can rally back into the first division. Otherwise, they will be held at Ann Arbor, Mich.

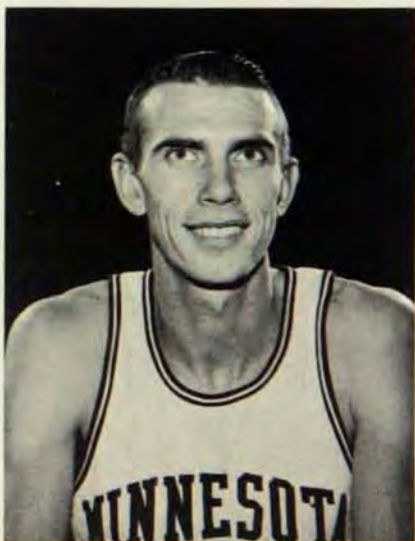
Heading into a two-game "prestige" series with the University of Minnesota Duluth Branch team, the Gophers had no guarantee they would be in the playoffs.

And while worrying about his team's future, Mariucci was apprehensive about the fired-up UMD team which was making a bid for recognition. The Duluth team had played several other WCHA teams and Mariucci is one of many who claim UMD has outgrown the Minnesota Intercollegiate Athletic Conference. But despite speculation and misgivings, UMD proved to be outranked.

Michigan State first dropped the Gophers out of first place with a pair of wins at East Lansing, 5-3 and 5-2. In each game it was Minnesota mistakes which nullified any hopes the Gophers had of overtaking the polished Spartans. Mariucci called Michigan State the finest team he had seen all year after the series. And before the series he had called his Minnesota team the finest he had ever coached.



Bob Bateman — guard



Ray Crank — forward

Then came Michigan Tech. They took the Gophers at Williams Arena 5-1 and 4-2. The Huskies scored three times when the Gophers were a man short in the first game and staved off a last period rally to take the second contest.

With 10 games remaining in the WCHA following the Gopher's triumph over UMD, Mariucci's team had a chance to even the score with the Spartans of Michigan State and to go on to the playoffs. But the Gophers needed to learn how to make those "spirited last period rallies" occur during the first two periods.



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THE ALUMNI



Honorary Forestry Alumni Association members, presented with their certificates by Walter Jacobson (left) alumnus, are, left to right, J. H. Allison, L. W. Rees and R. M. Brown. The occasion was the Association's annual fall banquet

Honorary Alumni

Honorary memberships in the Minnesota Forestry Alumni Association were presented to *John H. Allison*, professor emeritus in the University of Minnesota School of Forestry; and *Louis W. Rees* and *Randolph M. Brown*, professors in the Minnesota School of Forestry.

Allison was honored for nearly 50 years of service to the University and the School of Forestry. He was cited for his service on legislative committees and his research in forest economics and management.

Rees was honored for 34 years of continuous, loyal and effective service to the students and alumni of the University of Minnesota School of Forestry and was commended for his "insistence on high standards, calmness in a turbulent world and complete devotion to the training of students . . ."

Brown was cited for his 35 years of continuous, loyal and outstanding contributions to the students and alumni of the University of Minnesota School of Forestry and

his "dedicated devotion to teaching, patience in counselling and tolerance of our problems. . . ."

Special Recognition

Two alumni of the University's Department of Plant Pathology and Botany received special recognition at a January 11 dinner in the University's Campus Club.

H. H. Flor, U. S. Department of Agriculture plant pathologist at North Dakota state university, received the OAA in recognition of his genetic studies of the flax rust fungus. A native of St. Paul, Flor received his BS degrees from the University in 1922, his MS in 1924 and his PhD in 1929.

Norman E. Borlaug, director of the Rockefeller Foundation project on Inter-American wheat improvement, received the Elvin Charles Stakman Award.

He is cited for "wholehearted and unselfish devotion to the welfare of the people of Mexico and to the improvement of agriculture for the permanent and lasting benefit of Mexico and of other countries of the Americas."

Borlaug, who resides in Mexico City, for many years has devoted himself to Mexican agriculture. A native of Iowa, he received his BS from the University in 1937, his MS in 1941 and his PhD in 1942. He was awarded the Outstanding Achievement Award of the University in 1959. Borlaug became the sixth recipient of the Stakman Award. It was established in 1953 and is granted to individuals in any country for outstanding research in cereal pathology.

Regent Herman Skyberg made both presentations.

Rose Bowl Cheers

The Rose Bowl undoubtedly stimulated an unusual amount as well as an unusual type of activity among clubs. Cheering came from every corner of the country, and collectively must have outdone even that echoing from the bowl at Pasadena.

An exemplary report recently arrived from the Pittsburgh chapter of the Association:

At the Pioneer Inn in Pittsburgh a TV gathering was hastily but thoroughly planned as that group's winter meeting. A duel slate of activities featured the TV game for adults and the gamut of do-it-yourself games for children. A buffet dinner after the happy outcome rounded out the event.

Willey Speaks

Minnesota Alumnae club members held their meeting on January 20 in the junior ballroom of Coffman Memorial union.

The program, "Here Comes the Bride—In New Guinea", was presented by University vice president Malcolm M. Willey and Mrs. Willey (Judge Betty Washburn) who spent part of their 1961 vacation in Australian New Guinea.

Charter Dinner

Red Wing alumni met on January 9, for their charter dinner.

Members of the newly organized club, headed by Mike O'Brado-

vich, sponsored the appearance of Dr. Robert Beck, University professor of history and philosophy of education. Besides inviting the participation of all alumni, the club extended an open invitation to all members of the community interested in hearing the address of the distinguished educator.

Recent Elections

New officers have been named for four Minnesota alumni clubs and two out-state alumni groups.

The Worthington club has named *Gary L. Crippen*, president, and *Mrs. Helen Hatlilid*, secretary. Both officers are residents of Worthington.

President of the Pipestone alumni is *Lawrence Cunningham*; *Bryma E. Jones* was elected secretary.

Luverne-Adrian alumni named

Walter Toftland as president and *Bill Wildung* as secretary of their club.

At a meeting in Spring Valley, alumni of the Fillmore county club named *Dr. Robert W. Gustafson* president, and *Dr. Harry Esklund*, secretary of the organization.

The Iowa club, meeting in Des Moines, announced the election of *John E. Mason*, president and *Jack Zimmerman*, secretary. Both officers are residents of Des Moines.

In Indianapolis, Indiana, alumni named local residents, *William R. Takala*, president and *Mrs. Wilbur Shannon*, secretary of the group.

Mortuary Science

Mortuary Science alumni elected new officers, *Robert N. Bonnerup* '42AMS, president; *Harry D. Munson* '30AMS, vice president; *James*

H. Hultgren '42AMS, treasurer. New board members include *Richard Beese* '59AMS, *Wayne E. Cease* '58AMS and *Robert Peters* '48AMS.

Elections were held during the fourth annual meeting of the Mortuary Science Alumni Association in November. Speakers for the event were *John A. Kundla* and *John Mariucci*.

Business Administration Election

New officers for the School of Business of Administration Alumni Association are *Glen F. Galles* '41BBA, president; *Charles T. McGarraugh* '37BBA, vice president, and *Daniel B. Magraw* '43BBA, treasurer. New board members are *John R. Duxbury* '49BBA, *L. Dudley Jepson* '35BBA, *Maurice I. McGaffrey* '39BBA and *Calvin L. Smith*.

Meet the Presidents - the first of a series of introductions to the presidents of your constitutional alumni associations.



Dr. Charles J. Beck '40MB '41MD, president of the Medical Alumni Association. Born in Mountain Iron, Minnesota, he received his B.A. then attended the University for advanced degrees. He is associated with A. E. Muller '40MD in general practice at the North St. Paul Medical Center. He is a member of the Ramsey County Medical Society and the Minnesota Academy of General Practice. He is married and has four children.



Arndt J. Duvall '25BSC, president of the Institute of Technology Alumni Association. President of the St. Paul firm of Toltz, King, Duvall, Anderson and Associates, Inc., he is director of the St. Paul Area Chamber of Commerce. During student days when he met Mrs. Duvall, the former Marion Holm '28BA, he was captain of the tennis team. His son, Dr. Arndt J. Duvall, III, recently received his MD from the University Medical school.



Glen F. Galles '41BBA, president of the School of Business Administration Alumni Association. On the Staff of Minneapolis-Honeywell Regulator Company, he is director of compensation, Corporate Employee Relations staff. He was chairman of the Eighth Annual Institute sponsored by his constituent alumni group. He is president of the City of Minneapolis civil service commission. He and wife Dorothy '46BA, have three children.

—PEOPLE— in the news

Dr. Fred T. Kolouch '41MD PhD was noted in the January 5, issue of *Time* magazine for his success in combining "Surgery & Hypnosis."

A resident of Twin Falls, Idaho, Kolouch is chief of staff at Magic Valley Memorial Hospital, where he "had plenty of chances to observe patients being prepared for operations, was struck that so many of them had irrational fears."



O. A. Kelker

Dr. Kolouch — success with hypnosis.

First skeptical of hypnosis, yet convinced that the success of surgery depends partially on the patient's mental attitude, Kolouch was persuaded by the success of other reputable medical men to give it a try. "He read up on it, then worked for a while with a San Francisco expert."

"When you tell a patient that only five out of 100 people ever have any trouble in an operation," he says, "he isn't really listening to you. He's thinking, I'm going to be one of the five."

He now recommends hypnosis during his first interview with a surgical patient, and tells the patient that he 'will have an easier

time in the operation, and get better faster, if he agrees to be hypnotized.'

"Last week," says *Time*, "Surgeon Kolouch finished compiling the records of 100 patients on whom he has performed surgery with hypnosis, and concluded that in 81 cases the trance experience had saved patients anxiety, pain and money, and had speeded recovery. It also helped the surgeon, anesthesiologist and nurses."

Dr. George E. Moore '46MD, director and chief of surgery at Roswell Park Memorial Institute, was one of 10 medical scientists to receive Distinguished Achievement Awards, annual presentations by the editors of *Modern Medicine*, international medical journal.

A firm believer and practitioner of the creative abilities of youth, Dr. Moore, while still in his 20's, made the major discovery that brain tumors can be detected by radioisotope technics.

Attending the University "more or less the year round" he collected 6 degrees: 3 bachelor's, a master's, a PhD and an MD. He became associate professor of surgery, cancer coordinator for the medical school, and director of the tumor clinic of University Hospitals.

At age 32 he assumed his current position on the Rosewell staff. Since that time the Institute has grown from 115 to 300 beds and from 246 to 1,750 employees.



Dr. Moore — distinguished surgeon.

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Moore continues his research activities, one project of which is seeking a tumor-cell vaccine. As chairman of two nationwide studies established by the Cancer Chemotherapy Center, he has also played a major part in stimulating interest in combining chemotherapy with surgery to reduce recurrences of cancer.

The *Modern Medicine* award specifically honored him for "outstanding work on the causes and treatment of cancer, and as a research coordinator for chemical treatment of cancer."



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Around and About With the Alumni

'11

Dr. Moses Barron '11MD, Minneapolis physician, received the St. Barnabas bowl, a silver trophy given by the board of St. Barnabas hospital to a doctor chosen by the medical society for his outstanding contributions to the practice of medicine.

'21

Roger L. J. Kennedy '21MD has retired from the Mayo Clinic, Rochester after 26 years' service. He has been a specialist in diseases of children.

'24

Dr. H. J. Setzer '24MD has been named vice president of the St. Joseph's Hospital medical staff at Mankato, Minn.

'25

H. W. Estrem '25LLB was named a Minneapolis municipal judge by Governor Anderson.

'26

Orvie J. Swenson '26MD was elected president of the Waseca (Minn.) County Medical Society.

'27

Dr. Leon S. Nergaard '27BS, a leader in electron tube research and engineering, has been appointed director of the Microwave Research Laboratory at RCA's, David Sarnoff Research Center, Princeton, N.J. He was the 1960 recipient of RCA's David Sarnoff Outstanding Achievement Award in Science "for his basic and practical contributions to the science of microwave electron tubes and thermionic cathodes." He holds numerous patents and is the author of many basic papers relating largely to tube theory and design. (see photo)

Oscar R. Knutson '27LLB was appointed chief justice of the Minnesota Supreme Court after serving as an associate justice since 1948. He was a lawyer in Warren, Minn., from 1927 to 1941, and served as mayor of Warren for three terms. He was manager of the Warren Telephone Company for 10 years. In 1941 he was appointed a district judge, and in 1942 was elected to that post. He was appointed an associate justice in 1948 and was subsequently elected and reelected to that post. He belongs to a number of professional societies and has

served as president of the 14th Judicial District Bar Association, the Minnesota District Judges Association and the Minnesota Law School Alumni Association.

'28

Miland E. Knapp '28MD, Head of the department of physical medicine and rehabilitation at the Sister Kenny Rehabilitation Institute, was named president of the Institute's medical staff.

'30

Harvey T. Petraborg '30MD, who has practiced in Aitkin, Minn., for many years, was named recipient of the R. J. Bolen Outstanding Citizens Award by the Aitkin Lions Club.

E. G. Oppen '30MD has been appointed medical director of Security National Life Insurance company, Minneapolis. Dr. Oppen is engaged in the general practice of medicine.

'31

Harold V. Kindseth '31ME has been named executive vice president and a director of Electro-Mation Company, Minneapolis. He formerly was director of research for Bemis Brothers Bag Co. (see photo)

Paul R. Staffeld '31CivE has been named deputy commissioner of the Minnesota Highway Department.

'32

Dr. Paul J. Brodeur '32MS, Nutely, N.J., pioneer in the dry lubricants and aluminum hard coating fields, has been appointed vice president in charge of the special coatings division of General Magnaplate Corp., Belleville, N.J.

George Michaelson '32BChemE MSChE has rejoined the National Foundation-March of Dimes as State representative

George E. Cardle '32MD of Brainerd, Minn. was elected president of the Upper Mississippi Medical Society.

'33

Dr. R. D. Davis '33MD has been chosen secretary-treasurer of the Waseca (Minn.) County Medical Society.

Theodore Papermaster '38MD has been named secretary of the Sister Kenny Rehabilitation Institute.

Dr. Russell O. Sather '33MD of Crookston, Minn., has been reelected secretary-

treasurer of the Red River Valley Medical Society.

'34

P. M. Riede '34BSME has been appointed manager of the new engineering development laboratory of the cryogenic products department of the Linde Company, Tonawanda, N.Y.

Walter J. Reuter '34DDS, colonel, U.S. Air Force, and deputy assistant surgeon general for dental services, has been elected a fellow of the American College of Dentists. The fellowship is conferred for outstanding achievements in the field.

'36

John F. Finn '36LLB has been appointed director of the legal department of General Mills, Minneapolis.

Dr. E. Robert Schwartz '36MD has been elected a staff officer of Fairview Hospital in Minneapolis.

'37

Richard A. Naegeli '37BBA has been assigned accountant of the abrasive division of Minnesota Mining and Manufacturing Co.

'38

R. C. Hawkanson '38BBA, vice president-administrative of the Oliver Mining division of U. S. Steel Corp., has been appointed director-personnel in the Pittsburgh division.

Bernard J. Hughes '38MD has become associated in practice at St. Cloud, Minn. with Dr. Henry Broker, a general and thoracic surgeon. Dr. Hughes is formerly of Brainerd.

'39

Dr. Russell E. Larson, professor and head of the department of horticulture at the Pennsylvania state University, was named director of agricultural and home economics extension services and associate dean of the College of Agriculture. He received the University of Minnesota's Outstanding Achievement Award last year. (see photo)

Walter F. Rogosheske '39LLB was appointed an associate justice of the Minnesota Supreme Court after serving as a district judge, seventh district, since 1950. He is a former state legislator and a former chairman of the Metropolitan Airports Commission. He served in the state house from 1942 to 1949. He was chairman of the general legislation committee and helped guide the controversial anti-slot machine bill to enactment in 1947.

'40

G. Robert Carlsen '38BA BS '40PhD, head of the English department at University high school in Iowa City, Ia., was elected president of the National Council of Teachers of English for 1961-62. He succeeds Harold B. Allen, professor of English at the University of Minnesota.

Dr. William L. Webb '35BS '40MS has been named an associate professor of



Nergaard '27



Kindseth '31



Larson '39



Carlsen '40

landscape architecture at State University College of Forestry at Syracuse University, Syracuse, New York. Dr. Webb was formerly an assistant professor in the department.

Colonel Lieutenant Frederic F. Ahlgren '40BA retired from the U.S. Army at Fort Monroe, Virginia, concluding a military career spanning 30 years. In retirement ceremonies Colonel Ahlgren was presented the Army Commendation Medal (Second Oak Leaf Cluster) for meritorious service and cited for his work in technical intelligence, and the establishment of a radiological center.

Irving F. Anderson '40BCE has been appointed director of construction and economic evaluation for Allied Chemical's Nitrogen Division, New York. Formerly, Mr. Anderson was manager of chemical engineering.

Wyman Jacobson '40MD of the St. Louis Park (Minn.) Medical Center has been re-elected president of the Twin Cities Diabetes Association.

Paul W. Moseley '40BA has been elected a vice president of Ted Bates & Co., Inc., New York advertising agency. An account supervisor with the agency, Moseley lives in Weston, Conn.

'41

William E. McKenzie '41BS, Army major, completed the 16-week associate course at the Army Command and General Staff college, Fort Leavenworth, Kan.

Dr. J. H. Strickler '41MD has been elected second vice president of the Hennepin County Medical Society.

Raymond A. Sanford '43MD has been re-elected president of the St. Joseph's Hospital medical staff at Mankato, Minn.

'44

R. M. Hendrickson '44BA has been appointed general manager of the Mississippi region of General Mills' feed division, Jackson, Miss.

Dr. Harvey O'Phelan '44MD has been elected a staff officer of Fairview Hospital, Minneapolis.

Robert E. Nord '44MD was elected president of the Asbury Methodist Hospital, Minneapolis.

Dr. Robert Watson '44MD has been reelected secretary-treasurer of the St. Mary's Hospital in Detroit Lakes, Minn.

'46

J. F. Matthes '46BA has been named marketing manager for mixes at General Mills, Minneapolis.

Dr. A. S. Midthune '46MD has been named vice president of the St. Mary's Hospital in Detroit Lakes, Minn.

Rudolph B. Skogerboe '46MD, Karlstad, Minn. physician, was elected vice president of the Red River Valley Medical Society.



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'47

Dr. Robert T. Ricket '47BA has been appointed associate professor in the English department of East Carolina college, Greenville, N.C.

John E. Verby '47MD of Rochester, Minn., was named vice president of the Olmsted Medical Group at its annual meeting. Ten physicians, including several other Minnesota graduates, are partners in the Olmsted Medical Group.

'48

David Ramberg '48BA was appointed

general manager of the Hannibal division of the American Yearbook Co., a division of Josten's, Inc.

D. F. Swanson '48BA has been appointed market manager of family flour at General Mills, Minneapolis.

William J. Michels '48ChemE has been named manager of evaluation for Allied Chemical Corporation's Nitrogen Division, New York, N.Y.

Paul F. Ives '48BA has been appointed assistant manager of personnel at Univac, St. Paul. Joining St. Paul Univac in 1956, Mr. Ives first served as personnel assistant and later as supervisor of employee rela-



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Nadasdy '50



Noreen '53

tions before his appointment as head of labor relations in 1957.

Gordon C. Seeler '48BChemE '48BBA has joined the technical sales service unit of Esso Research and Engineering Company, Linden, N.J., as head of the additives section.

John W. Gorman '48PhDChE BChemE, senior project chemical engineer at the Whiting, Ind., research laboratories of the American Oil Company, spoke to the Chicago Section of the American Society for Quality Control.

Dr. Howard M. Robbins '47BS '48MA has been appointed senior engineer on the technical staff of the manager of advanced systems research at the IBM FSD space guidance center, Owego, N.Y.

Frank S. Farrell '48LLB has been named general solicitor of the Northern Pacific railway, St. Paul.

Arnold D. Mendel '48BA MA has been named assistant professor of German at Carlton College, Northfield, Minn.

Dr. Malcolm H. Robertson '48BA has been appointed an associate professor of psychology at Western Michigan university, Kalamazoo, Mich. He formerly was on the staff of the University of Florida.

Laurence E. Dennis '48MA has accepted an appointment as an associate director of the Peace Corps. Formerly vice president for academic affairs at Pennsylvania State university, Dennis will assume responsibility for the administrative coordination of all matters relating to the recruitment, selection, and training of Peace Corps volunteers, as well as the development of personal support services for volunteers on overseas assignment. Upon departure from Penn. State, Dennis was commended by the president of the University for "diligent and devoted work."

'49

William C. Shelton '49BSChemE MSChem was promoted to senior development engineer at the A. E. Staley Manufacturing Co., Decatur, Ill.

Alois M. Scheidel '49MD of Mankato, Minn., was named president of the Immanuel Hospital medical staff in that city.

Duane R. Day '49BA BSLib Sci, Librarian, Campbell-Mithun, Inc., Minneapolis, has been elected vice chairman of the advertising division, Special Libraries association.

Gerald R. McKay '39BS '49MS, professor and extension specialist in visual education on the St. Paul Campus, has received the superior service citation from the U.S. Department of Agriculture. He was one of 11 persons in agricultural extension services throughout the United States honored and the only U.S. Department of Agriculture employee in Minnesota to receive the superior citation. Mr. McKay was cited "for success in assisting both county and state extension staff members to improve their teaching and informational skills and stimulating the enthusiasm of staff for improved service to the people of Minnesota."

Capt. James H. Aarestad '49BA has completed the regular course at the U. S. Army Command and general staff college, Fort Leavenworth, Kan.

Capt. Arthur W. Youngren '49BA has completed the regular course at the U. S. Army command and general staff college, Fort Leavenworth, Kan.

William P. Scott '49AA, Sibley county probate judge since 1956, was appointed Minnesota state public examiner. The Arlington, Minn., attorney received his law degree from the William Mitchell College of Law in St. Paul.

Winton Jones '49 has been named an assistant vice president of Imperial Financial Services of Minneapolis. Jones, now in charge of administration, was previously associated with the First National Bank, Minneapolis. Active in civic affairs, he is a resident of Woodland Village.

Winton Jones '49BA has been named an assistant vice president of Imperial Financial Services, Minneapolis.

Abraham Frank '49PhD has been named staff engineer in charge of liaison with the University of Minnesota for Remington Rand Univac, St. Paul.

Lester R. Reekers '49BCE has been named resident engineer of Rayonier's Grays Harbor division, Hoquiam, Wash.

'50

Leonard J. Nadasdy '50BA was elected chairman of the Young Republican National Federation. (see photo)

Arthur W. Larson '50BSL was elected vice president of the Liberty Cherry and Fruit Company, Inc. He lives in Cincinnati, Ohio.

Dr. S. T. Norman '50MD has been named vice president of the Waseca (Minn.) County Medical Society.

Harold H. Mackenhausen '50BSEd has been selected to manage the St. Louis agency of Pacific Mutual Life Insurance Co. The Mackenhausens live in Hazelwood, Missouri.

Wesley C. Borgeson '50BME has been named balloon project engineer at the G. T. Schjeldahl Co., Northfield, Minn.

Peter G. Pafiolis '50BA, charter member of the Minnesota chapter of the National School Public Relations association, has been elected to the Minnesota NSPRA board of directors.

ALUMNI NEWS

Walter James McNerney '50MS, director of the bureau of hospital administration, school of business administration, has been named president of the national Blue Cross Association. Under a grant of \$380,000 from the Kellogg Foundation, Mr. McNerney directed the recently-completed three-year study of hospital and medical economics undertaken by the University of Michigan.

Arthur P. French '50PhD, head of the department of horticulture at the University of Massachusetts and professor of pomology and plant breeding, retired June 30 after 40 years of teaching, research and service to the fruit industry. Nationally known for his contributions to horticulture both in and beyond the classroom, Professor French is a vice-president of the American Pomological Society and chairman of its True-to-Name Nursery Stock program. In January, 1960, he received the society's Wilder Medal, an award made annually to an individual for outstanding service to horticulture — especially the fruit industry.

Frank H. Sack III '50BA will resume his private practice as an industrial designer under the name of Frank Sack Associates, Minneapolis.

'51

Jerome J. Smith '52BSPhm, Army reserve major, completed the 16-week course at the Army Command and General Staff college, Fort Leavenworth, Kan.

John Anderson '51BA has been appointed editor of the new general magazine, *This Month*.

J. W. Wicklund '51MA, principal of Oakdale Elementary school, West St. Paul, is the author of an article "The Principal's Forum" which appeared in the January issue of the INSTRUCTOR Magazine.

George Rysgard '51MD, Northfield physician, was elected president of the Southern Minnesota Academy of General Practice for 1961.

Mark E. Odland '51MD has been elected chief of staff of the St. Mary's Hospital in Detroit Lakes, Minn.

James W. Heley '51BBA has been named resident salesman for the Iowa and Nebraska area by the Fairmont Aluminum Company.

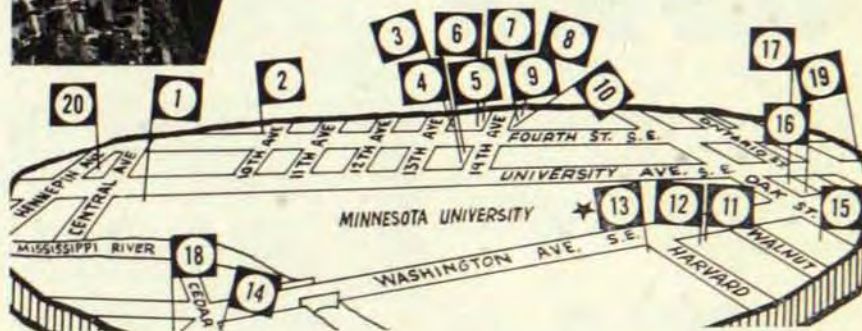
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Robert G. Turnbull '52PhD has been promoted to the position of professor at the State University of Iowa, Iowa City.

Neil E. Salisbury '52PhD BA has been promoted to the position of associate professor at the State University of Iowa, Iowa City.

Norman H. Cooke '52MA has been appointed to the faculty of Rhode Island College.

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'52

Oliver T. Bekken '52BS, Elmhurst, Ill., has been named treasurer of Griffin Wheel Co., Chicago-based subsidiary of American Steel Foundries.

'53

K. P. Noreen '53ALA, has been assigned as an industrial sales representative to the Chicago branch office of the



Hess '55



Weltzin '60

A. E. Staley Manufacturing Co. (see photo)

Richard R. Carlson '53BIndE has been appointed quality control manager of the Scott Division of McCulloch Corporation, Minneapolis.

'54

James E. O'Loughlin '54BA is supervisor, personnel services, with AC Spark Plug, the electronics division of General Motors, Milwaukee, Wis.

Bruce R. Roe '54 BS BGeolE, researcher with the U.S. Geological Survey, and currently in charge of a project on Isotopic Studies of crustal evolution, was the co-author of an article published in the *American Mineralogist*, 1961.

Grady E. Graves '54BA and Carole Aus Graves '52BS, their two children, Patricia Ann and Debra Lee, have moved to 2201 West Lincoln, Birmingham, Michigan. Mr. Graves is employed in Central Staff of Ford Motor Company, Detroit.

Vernon G. Kuhlmann '54MD was named president of Our Lady of Mercy Hospital at Alexandria, Minn. The hospital's medical staff includes 18 physicians.

'55

Philip N. Hess '55PhD has joined Litton Industries' electron tube division research laboratory as senior scientist in charge of crossed field research. The laboratory is located in San Carlos, Calif. (see photo)

Dr. O. D. Anderson '55MD has been elected secretary of the St. Joseph's Hospital medical staff at Mankato, Minn.

Capt. Donald C. Martin '55MD of the U.S. Air Force is a medical officer attached to the American Embassy in Moscow, U.S.S.R.

F. Timothy Plummer '55ME was promoted to senior manufacturing engineer at the Trane Company, La Crosse, Wis.

Karl S. Quinsberry '55PhD '52MS has been named to the physics staff of the marine advance reactor project at the General Electric-operated Knolls Atomic Power Laboratory.

Army Capt. Robert A. Sampson '55BA was assigned to the ROTC Instructor Group at the University of Dayton in Ohio.

'56

Francis F. Pyne '56PhD has been appointed professor in the health and physical education department at East Carolina college, Greenville.

Sheldon Rosenberg '56PhD has been named assistant professor of psychology at the George Peabody college for teachers, Nashville, Tenn.

C. H. Patterson '56PhD, professor at the University of Illinois, wrote a recently published book, *Counseling and Guidance in Schools*.

Fernando G. Torgerson '56PhD, Army lieutenant colonel, has been awarded the "A" prefix for outstanding service in the field of social work. He and his family reside in Bethesda, Md.

Walter J. Wolf '56, a biochemist at the U. S. Department of Agriculture's Northern utilization laboratory, Peoria, Ill., presented a paper at the national meeting of the American Chemical Society in Chicago.

Jack S. Swenson '56PhD has joined the faculty of Grinnell College, in Iowa, as assistant professor of chemistry. For the past four years he has been a research chemist for Minnesota Mining and Manufacturing Co.

Roger A. Gullixson '56BA has accepted the position of safety assistant at the Sioux Ordnance Depot, Sidney, Nebr.

'57

Margaret Crimmins '57BA was promoted to women's editor of the *St. Paul Pioneer Press and Dispatch*.

Robert L. Foss '57ALA reported aboard the NAS Alameda in California for an extended tour of duty as a naval air reservist.

James Arthur Stoner '57BA received his master of science degree in industrial management from the Massachusetts Institute of Technology last fall. His thesis topic was "Elimination Reactions of Medium-sized Ring Compounds: Ring Contraction of Trans-cyclooctene Oxide."

Mary J. Youngquist '57BA received, last fall, her doctor of philosophy degree in chemistry from the Massachusetts Institute of Technology.

Chikara Hirayama '57PhD, research chemist in the insulation and chemistry department, Westinghouse research laboratories in Pittsburgh, is the author of a technical paper which appeared in the December issue of the *Journal of the American Ceramic Society*. His paper is entitled "Properties of Aluminoborate Glasses of Group II Metal Oxides: I, Glass Formation and Thermal Expansion."

James B. Lingwall '57BS is an instructor of speech at St. Olaf College, Northfield, Minn.

Rosemarie Van Dyke '57MA has been appointed to the faculty of Drake University, Des Moines, Ia.

George Bingham '57, Bird Island, Minn. physician and Renville county

(Minn.) health officer, was elected chief of staff at the Renville County Hospital.

'58

Naunda Mcier Tietz '58MA, fourth grade supervisor at Wisconsin State College, wrote an article entitled "Traveling Fourth-Graders Learn Geography Too," which appeared in the December INSTRUCTOR magazine.

John H. Kurtz Jr. '58BA has been recalled to active duty and assigned to Fort Stewart, Ga.

Dr. W. E. Mathews '58MD of Mankato, Minn., has been elected secretary of the Immanuel Hospital medical staff in that city.

'59

Wayne Irwin Welke '59BArch received his master of architecture degree from the Massachusetts Institute of Technology last fall.

Joseph B. Blair '59BArch received his master of architecture degree from the Massachusetts Institute of Technology last fall. His thesis topic was "Fine Arts Complex for Macalester College."

'60

Frolyn H. Weltzin '60EE has been appointed midwestern district sales representative by the Link-Belt Speeder Corp. He and his wife live in the Twin Cities. (see photo)

Ken Neutsel '60BA is one of two case-workers at the Youth Vocational Center near Rochester, Minn.

John W. Luebs '60MHA has been appointed administrator of the Neurological Hospital in Kansas City, Mo.

Lloyd Leonard '60DDS and his wife Jerre announce the birth of their fourth child, Paul, born December 16, 1961. Dr. Leonard has established practice in North Minneapolis and in Glen Lake.

'61

Richard M. Sedre '61BEE, a former electrical engineer with Dahlberg Co. of Minneapolis, has been recalled to active duty with the U.S. Air Force for 12 months and has been assigned to the 109th Air Transport Group in Schenectady, N.Y.

Lyle Tomlin '61BCE is a civil engineer with the U.S. Department of the Interior, Los Banos, Calif.

Clarence L. Trushenski '61BEE is an electrical engineer with the U.S. Department of the Interior, Billings, Mont.

Dr. John Pulleyn Jr. '46MA '61PhD was promoted to assistant professor of modern languages at the University of Akron, Ohio.

Henry B. A. Witta Jr. '61BA, Army second lieutenant, completed the officer orientation course at the Air Defense School, Fort Bliss, Tex.

Sigmund A. Mierzwa Jr. '61MA, Army second lieutenant, completed the eight-week officer orientation course at the Chemical Corps School, Fort McClellan, Ala.

Deaths—

George W. Friedeman '00EE, president of the Minneapolis Ornamental Iron Co., passed away in St. Paul in December.

Dr. Jane F. Kennedy '00MD, retired Minneapolis physician, died in January. She served on the staff of the University of Minnesota Health Service and was engaged in private practice for 50 years. Survivors include a son and a grandson.

R. C. J. Jacobs '05MD, retired Willmar, Minn., general practitioner, died in January in Willmar. He is survived by his wife, three sons and a daughter.

A. Ernest Essen '05BSPHm, formerly of Minneapolis where he operated a retail drug store, died in Los Angeles in December.

Elizabeth Bell Kingston '06MA, a St. Paul school teacher for many years, died in December.

John I. Quinn '08BCE, a retired Government engineer died in Washington in November. His work took him to the Philippines, South America and Europe. A specialist on bridge foundations, he lectured to many groups. In 1953 he received a silver medal from the Department of Commerce for his work and research in bridge construction. He is survived by his wife and three step-children.



H. W. Dahlberg

Henry W. Dahlberg '10BSChem, noted scientist and former director of research for the Great Western Sugar Co., died in Denver in January. He retired from his research post with the sugar company in 1953 after 40 years of service. His work in chemical and agricultural research, beet breeding and commercial seed production won him wide recognition. He generally is credited with developing a domestic seed for beet production, eliminating U.S. dependency on European

seed. In 1958 he received the University of Minnesota Outstanding Achievement Award. He was a member of numerous professional societies. He is survived by his wife, two daughters and three sons.

Edward B. Cosgrove '10BA former University regent and chairman of the board of Green Giant Co., died in Palm Beach, Fla., in January. Formerly of Le Sueur, Minn., he was one of the founders of Green Giant. He became president of the firm in 1929 and was elected chairman of the board in 1953. A 1910 graduate of the University, he became a regent in 1955 representing the 2nd Congressional district. He was also chairman of the board of Fine Foods of Canada, Ltd., and was a director of Pillsbury Mills, Inc., Northwest Bancorporation, Rock Valley Canning Co., First National Bank of St. Paul and Minneapolis Mutual Life Insurance Co. He was past president of the National Canners Association.

June Ames McGregor '12BA passed away in November.

Dr. Victor T. Nylander '17DDS died in January. His wife and a son survive him.

Henry N. Jenson '22BA, Detroit Lakes, Minn., attorney and former mayor, died in Florida in January. Survivors include his wife and two daughters.

Edwin W. Frederickson '28BEE, formerly an engineer for the Northwest Bell Telephone Co. died in Minneapolis in December. He is survived by his wife and two sons.

Dr. Colin C. Stewart '31MSMed, a staff pediatrician of the Mary Hitchcock Memorial Hospital and professor of pediatrics at Dartmouth medical school died in December in Hanover, N.H. He was a member of numerous professional societies. He is survived by his wife and six children.

Edna Beck '34BS passed away in January in Minneapolis.

Donald A. Justus '34BChemE, an executive of Minnesota Mining and Manufacturing Co., died in Minneapolis in December. Survivors include his wife and two children.

Bernice Dainard Gestie '37MA, editor of the "Minnesota Journal of Education," died in Minneapolis in December. Her books include a history of the Minnesota Education Association and editing "A Handbook for Minnesota Teachers." She has served as society and children's page editor of the Fargo Courier News. Later she taught English in Minnesota schools and also served as assistant director of education communications service at the University of Chicago. In 1945-46 she was president of the Educational Press

Association of America. She received the University of Minnesota Outstanding Achievement Award in 1951.

Mrs. Betty J. Peterson '42AA passed away in Minneapolis. Survivors include her husband, a son and a daughter.

Addison M. Fisher '44BEE who was district manager for Westinghouse Electric Corp. died in Minneapolis in January. He is survived by his wife.

Frederick W. Lord '51BS, a teacher and basketball coach at Minnewatha grade school, died as a result of an auto accident. Survivors include his wife, a son and a daughter.

Arvie Rosenberg '57MA died in September.

Faculty Deaths—

John J. Bittner, director of cancer biology research at the University's Medical Center, died in Minneapolis in December. In 1957 he received the Bertner Foundation Award "for outstanding achievement in cancer research." Early in December, 1961, he was elected to the New York Academy of Science. He received his BA from St. Stephen's College, now known as Bard College; his MA in 1929 and his PhD in 1936 from the University of Michigan. He came to the University of Minnesota in 1942. His survivors include his wife and two daughters.

William Lindsay, professor emeritus of the University music department, died in Bournemouth, England, Jan. 6. He was a professor at the University for 29 years, retiring in 1950. During his teaching career he became well known as a soloist with the Minneapolis Symphony Orchestra. He had the distinction of being the only soloist to have played with each of the Minneapolis Symphony Orchestra's conductors up until 1950, when he made his last appearance with the orchestra. He visited the University in 1953 and gave his last piano recital in Scott Hall.

Joseph M. Thomas, former University professor and assistant dean, died in Minneapolis in January. He joined the University faculty in 1909 as professor and head of the department of rhetoric and public speaking. He became assistant dean of the senior college Science, Literature and the Arts, in 1920 and served in that capacity until his retirement in 1945. He was chairman of the English department from 1921 to 1927. He was the author of several textbooks on English composition, including *Thomas, Manchester and Scott*, known for years as "the freshman bible" on scores of college campuses. Survivors include a son.



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