



Season's Greetings



GOPHER GRAD

DECEMBER 1956

GOPHER GRAD

(Our 56th Year)

Continuing the Minnesota Alumni Weekly which was established in 1901, and the Minnesota Alumni Voice. Published monthly from October through June by the Minnesota Alumni Association, 205 Coffman Union, University of Minnesota, Minneapolis 14. Member of the American Alumni Council.

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2

In This Issue

	Page
SCHOOLROOM SAMARITANS	4
CAMPUS 1970 (PART II)	7
CLIMATE FOR FREEDOM	10
PRES. MORRILL'S MESSAGE	13
FRIENDS IN DEED	14
HOMECOMING IN PICTURES	18
EXPERIENCE IS THE KEY	27

NEWS SECTION

Association-Clubs	20	Sports	27
On the Campus	24	Alumni	30

DEPARTMENTS

Back Talk	3	Summa Cum Laude 16	
Editorial	17	Books	34

President and Mrs. Morrill

To address the alumni for this holiday season, President J. L. Morrill added two notes to his sheaf of appointments and obligations: to arrange with



Mrs. Morrill for a free evening in order that Gopher Grad could take the cover picture, and to pen a personal greeting to alumni around the world. Because there are no such things as "free evenings" for a busy president, the picture appointment took a bit of juggling and finally was made possible with the combined help of Mrs. Morrill and Miss Peg Wipperman, the President's administrative secretary. The message appears on page 13. (Photo by Wally Zambino.)

Views of authors appearing in Gopher Grad in no way reflect the opinions of the MAA or the Gopher Grad.

GOPHER GRAD

Back Talk

On Western Humor . . .

Editor:

I am in receipt of your . . . degree of Loyal Minnesota Alumnus, and I am enclosing my check for the annual membership fee. I note that in this way, I qualify for a membership the same as one who has graduated from the University of Minnesota.

I attended the University law school during the years 1908-09 as a member of the class of 1910, and I would have graduated with that class if I had been able to stay. But, I ran out of money, came west, took the bar examination and have been practicing law here for many years. In fact, I have been judge of the District Court for nearly 25 years now.

C. E. Comer (Montana)

Busy Hands, Full Hearts

Editor:

We are very happy in our work here in Tawain but our thoughts go Minnesota-way often.

Dr. Pankratz is without any other doctor's help just now because his native doctor has been called into the Army for the next six months. There is so much work to do here at this hospital, but the results so far have been most gratifying.

I am teaching English to a group of business men and women (mostly bankers) four hours a week. A pedicab calls for me each morning at 7:30 and brings me home again by 9:00! One of our friends here is also a teacher. His field is math. He has many students but his salary is \$500 in his country's currency or about \$11.50 in ours.

Somehow his family manages to live on this salary—paying rent, buying clothes and spending \$200 in Tawain currency to get powdered milk for a six-month old baby.

He supplements his income by writing stories but the pay for them is not very much. He also teaches

me Chinese in exchange for my helping him with English, but I think he is short-changed here, too.

Sincerely,

Mrs. Peter Pankratz

(In the near future, we plan to publish an article on life in Tawain by Dr. and Mrs. Peter Pankratz. The couple left early this year to take over operation of a hospital on the island of Formosa. Mrs. Pankratz' letter was in response to our request for a view of life in the Orient from those who are in daily contact with the nationals of another nation. Dr. Pankratz '34MD, a former director of the Minnesota Alumni Association, is associated with the Mennonite Mission in Tawain. — Editor)

USC Chancellor Praises State Universities

Editor:

I am delighted that a southern California chapter is being formed.

I am extremely proud of being a Minnesota graduate and mention my life in Minnesota on every possible occasion because I know that if I had not been admitted at Minnesota and had to go to a more expensive school, the chances are that I would never have gotten a university education.

I suspect that I am still in state university work because I feel that the labors of the state university are among the most important foundations for future security of the nation, a security which derives from creative resources of youth as they mature and build their lives into the society which gives the university life.

Higher education for all qualified students would be a myth if the country had to depend upon nonpublicly supported institutions, fine as they are and important as they are among the systems of higher education with which the country is so fortunately endowed.

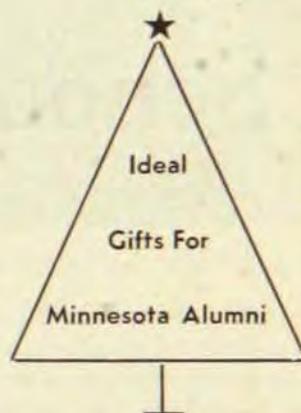
R. B. Allen '24BS, '25MA, '28MB, '28MD, '34PhD

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Retarded, crippled or blind children are among the many hopefuls who may plan a better tomorrow because of—

Schoolroom Samaritans

Dr. Maynard C. Reynolds '50

University leadership in preparing trained people to teach children with special problems may eventually help one child out of 10 live a better, happier life.

In the summer session of this year, thirty outstanding teachers were chosen to study seven blind children who came to the laboratory-demonstration school of the college of education.

In addition to the blind, the deaf and the mentally-retarded were also studied and, for the future, there is a plan to counsel not only the handicapped but their parents.

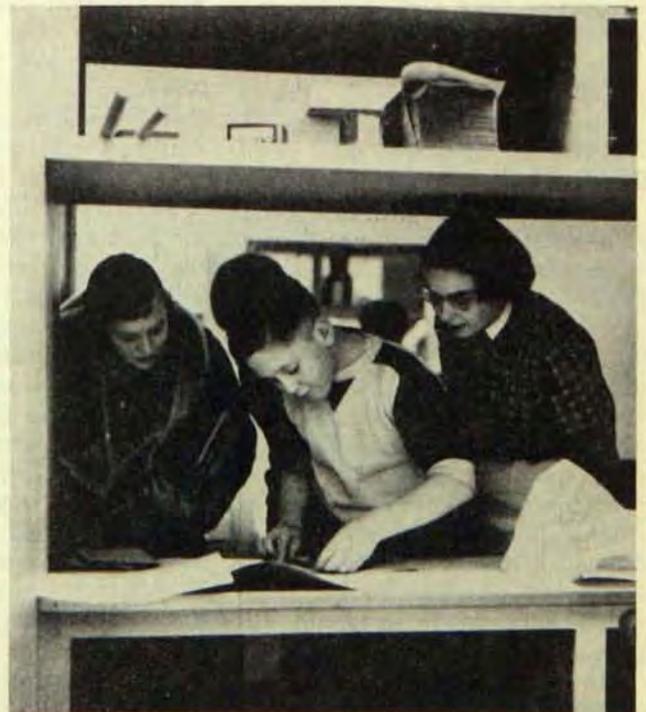
Taking together the gifted, retarded, blind and partially sighted, deaf and hard-of-hearing, the speech handicapped, the crippled, those with special health problems and the emotionally and socially disturbed, it is estimated that at least ten per cent of all children are what is known to educators as *exceptional children*.

Almost all over the nation, schools are moving rapidly to provide Special Education for them. In Minnesota the number of special teachers in public schools has tripled in just the past ten years. Approximately 1,000 special teachers are now employed in Minnesota schools. The number of children placed in special classes or special centers for their education has increased by about fifty per cent (for the country as a whole) in the past five years. More and more school psychologists, school social workers, speech correctionists and other specialists who work with teachers of exceptional children are also being added to school staffs everywhere. State legislatures have set up plans of incentive aids to encourage local schools to offer special services to exceptional children. The state of Minnesota spends approximately a million

and a half dollars each year in incentive aids specifically tied to Special Education programs.

What accounts for this growing interest in Exceptional Children?

The reasons are many. In just the past fifteen years our nation has encountered its first severe man-power



THE GIFTED child also has need for special training.

GOPHER GRAD

Moulding in clay is only a part of the special program to develop a brighter outlook for those who seek their place in an understanding society.



shortage. We learned that we cannot afford to be wasteful of the productive potential of any segment of our population.

Special concern is centered on the gifted child, but all children, including the handicapped, need and deserve every opportunity for suitable education. At the same time we learned through the army induction examination and improved school census and guidance programs, that a very large proportion of our children do have exceptional needs. For example, we find that thirty-five per cent of the young men examined by the military services in World War II and the Korean conflict were rejected for reasons of mental or physical handicaps.

There is clear sign, also, that the number of handicapped children in our society is increasing. This is the result, at least in part, of improved medical services and public health standards.

It is found, for example, that more infants with malformations from the time of birth are kept alive than ever before. More children who suffer severe diseases and accidents are kept alive, but often with chronic disabilities. Improved skills in the detection and diagnosis of exceptional children also swell the roles of those patient workers who can offer special kinds of care and education.

The rapid organization of groups of parents of exceptional children—particularly parents of handicapped children—has served to spur efforts for special training facilities. These groups develop out of deeply-felt problems and firmly maintain that their children deserve fully adequate schooling.

Probably the basic purpose in the expansion of Special Education programs is to provide *equal opportunities* to all children. However, *equality* of opportunity does not mean *identity* of opportunity. Providing *equal* opportunity for the gifted child requires that he be offered an enriched, accelerated school program. On the other hand, the mentally retarded often need to be placed in special classes or schools where

the pace and nature of learning is adjusted to their limited capacities.

Those with hearing and visual handicaps frequently need special aids to develop communication skills and to preserve whatever hearing or sight they may have. The crippled often need physical therapies as part of their school program. The speech handicapped, those with severe emotional problems and those with special health problems present their various exceptional needs which must be considered in school.

Despite recent gains in Special Education, only about one-fourth of all our exceptional children are able to receive help because of the shortage of trained personnel to conduct programs.

Only a very few colleges and universities of the country offer full sequences of training for special teachers of the blind, deaf, crippled and retarded. Only two Universities have definite training programs for teachers of the gifted. More institutions provide training for psychologists, speech therapists, social workers and other specialists, but demands for school workers in these fields still far exceed supply.

For many years the University has offered training in fields, such as speech therapy. In the special teaching fields, the University is quite new in its endeavors to meet the needs of the schools. Only during the past five years have sequences of training been developed to teach the mentally retarded, deaf and hard-of-hearing, and the crippled child. In special summer workshops and courses, progress has been made in other areas.

Each of the recently developed training programs for teachers of exceptional children involves the cooperative efforts of several departments of the University. Teachers of crippled children, for example, take parts of their professional training in the medical school, the institute of child welfare and the speech department, as well as in the college of education.

Similarly, the training program for teachers of the deaf and hard-of-hearing represents a cooperative

Maynard C. Reynolds, author of this article, is a national leader among educators who help handicapped and exceptional children with adjustment problems. In August, he was elected to the governing board of the International Council for Exceptional Children, an organization which he formerly served as president of teacher-education. A certified psychologist, he received an MA in 1947 and a PhD in 1950 from the University. He is chairman of the Governor's Advisory Committee on Exceptional Children in the state and associate professor of educational psychology and director of psycho-educational clinic at the University.



effort by the department of speech of the college of science, literature and the arts, and the college of education. Through such inter-departmental approaches, it is believed that teacher-candidates receive a very strong training program and have opportunity to develop an appreciation of the contributions of others who work in serving children.

To aid in the recruitment of candidates for training in Special Education, the University has made vigorous efforts to provide information on training programs to students and to school counselors. A special education scholarship fund has been established through the Greater University Fund. The Minnesota Society for Crippled Children and Adults, a number of parent associations for retarded children, the American Foundation for the Blind and a number of other groups and individuals have made generous contributions to scholarship funds. These same organizations and some others, such as the Quota Club of Minneapolis, have aided in supporting other phases of the expanding Special Education program.

Despite the proud history of the University and the recent rapid growth of its program in Special Education fields, much yet must be done to advance the welfare of exceptional children. Programs of training for teachers and others are very expensive and the available monies have not been adequate to meet all needs.

On the other hand, the staff in Special Education looks forward to its growing challenge in playing a vital part in the University's role to advance the welfare of all the people of the State — not least, those who need special help.

Diet Linked to Heart Disease

Diet, rather than the fast pace of modern living, racial background or climate is attributed by a University physiologist as the cause of high rates of heart disease.

Dr. Ancel Keys, world-known specialist on heart disease and diet, made this conclusion after a study of the world's population.

Keys recently returned to the campus from Finland. He and Dr. Paul Dudley White, President Eisenhower's heart specialist, set up a research project in Helsinki on the relationship of nutrition and physical activity to heart disease.

The director of the University's laboratory of physical hygiene has supervised similar research work in Italy, Japan, Hawaii, South Africa and the United States.

"The majority of the world's population doesn't seem to have much trouble with coronary heart disease in which fat deposits on the walls of man's arteries retard the blood circulation," he said.

"Those populations in which heart disease is high seem primarily to have a high proportion of animal fat in their diets. We found that Finns have at least as much heart disease as Americans and that they eat more animal fat, particularly butter, than Americans."

Figures on winter fat consumption are being compiled now in Finland and Keys expects that, as in the United States, they will show a higher rate than in summer.

Keys has found that rate of heart disease is low in Italy, particularly southern Italy and Sardinia, Uganda in Africa, Japan and Spain, where diets are low in animal fat.

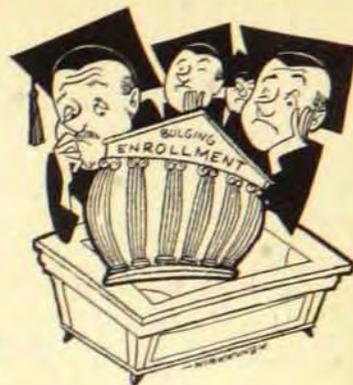
"The Japanese in Japan have the lowest rate of any group we have studied, but a comparison with Japanese living in Hawaii and in Los Angeles and with U. S. Air Force personnel in Japan seems to show that neither heredity nor climate is a factor," he said.

"Air Force personnel in Japan have as high a rate of heart disease as Americans in the continental United States. The Japanese living in Hawaii are intermediate, while Japanese in Los Angeles whose diet approaches Americans in fat content have nearly as high a rate."

He said that nervous stress and inactivity, like climate and heredity, do not seem to be responsible. Finnish farmers and woodcutters have as high a rate of heart disease as American businessmen.

Keys said his work is supported by the U.S. Public Health Service, the American and Minnesota Heart Associations, the National Dairy Council and other organizations.

This is the second in a series on needs for 47,000 students that educators must face in looking at the —



CAMPUS 1970

Jo Anne Green '57

Joe arrives on campus in the fall of 1970, luggage in both hands, tennis racket and skis strapped to his back. After applying for a dormitory room and finding that all University housing facilities are filled, he scours the campus area looking for a room. But everywhere he sees the sign "No Vacancy."

At Oregon State College, housing for students has reached the point where it will control enrollment from now on. What is now fact at Oregon State could be fact for the University of Minnesota in 1970. Joe, faced with "No Vacancy" signs, might have no other choice but to return to his home.

If the University is to keep its doors open to well-qualified and deserving young people in this state, it will have to do more than provide adequate classroom facilities. There must be additional housing and food service facilities as well.

A \$6,228,000 housing program is on the planning board at present. On the St. Paul campus, near Cleveland avenue, between Como and Commonwealth avenues, part of this project has begun with construction now underway on a million dollar, 100 unit housing project for married students. Forty-four two-bedroom units and 50 one-bedroom units will be built. The two-bedroom apartments, grouped six and eight to a building, will be built on two levels. Living room, kitchen and dining area will be downstairs, two bedrooms and bath up. The one-bedroom apartments will be grouped eight to a building and will have a living room, with an open kitchen at one end, a bath and bedroom.

Other projects yet to be started in this six million dollar program are a single students' resident hall (307 units) on the St. Paul campus; a men's residence hall (550 units) on the Minneapolis campus; a wing to complete Comstock hall (226 units) and a 60-unit

housing project on the Duluth campus.

Funds for this program, except for \$1,000,000 which the University has in equity, are expected to come from the federal government. The University has applied for the loan and received preliminary approval.

In order to conserve space, all residence halls yet to be built will have only double rooms. The St. Paul campus residence hall will have two wings, one for male students, one for coeds. The wings will be joined by a recreational and lounge area to be shared by both men and women.

Completion of this program will be a step forward, but it still will fall short of providing adequate housing even for the 1960 enrollment. In the Regents' report on housing, it was estimated that the University will have to provide 6,561 additional units by 1970. Cost of construction of housing facilities is estimated at \$44,262,000.

Those students who today stand in line in the Commuters' lunchroom, and end up snatching bites of their lunch in between jotting down notes on their sixth hour lecture, will understand the problem of food service facilities.

By 1970 the University will have to serve an additional 5,504 customers on the Minneapolis campus, or about double the present load. Translated into space requirements (using a turn-over factor of two and a half times each space used) the U will need an estimated area of 70,872 square feet.

Present food service facilities on the St. Paul campus are inadequate and the need will grow more critical as enrollment increases. Construction of a food service building, adjacent to the new Union, will be necessary.

The new Kirby Youth center on the Duluth campus should provide cafeteria service for estimated enroll-

ANTICIPATED HOUSING NEEDS OF STUDENTS

	1955	1960	1965	1970
Student Attendance on the Minneapolis and St. Paul campuses.....	20,845	28,353	34,724	42,268
Parents' Home	9,851	14,177	17,362	21,134
Fraternities and Sororities.....	1,058	1,100	1,100	1,100
University-owned facilities.....	3,439	4,468	3,873*	3,873
Rent or own home.....	843	900	1,000	1,100
Apartments and Rooming house.....	5,654	6,500	7,500	8,500
Total	20,845	27,145	30,835	35,707
Estimated Housing Need (Present and foreseeable facilities not available for these numbers)		1,208	3,889	6,561

* University Village Housing units omitted because it is expected they will be razed by this time.

ments by 1970. Bag lunch facilities will have to be increased as the need requires.

More buildings for classrooms, research, housing and food services mean more land. Where do the buildings go? The Regents report to the legislative committee estimates that by 1970 the University will need 44.5 additional acres for instruction and related use; 5 acres for the medical school; 49 acres for housing and 50 for parking — a total of 148.5 acres. This sum does not include land for athletics and physical education.

On the crowded Minneapolis campus which is already squeezed between two busy thoroughfares, the problem is particularly acute.

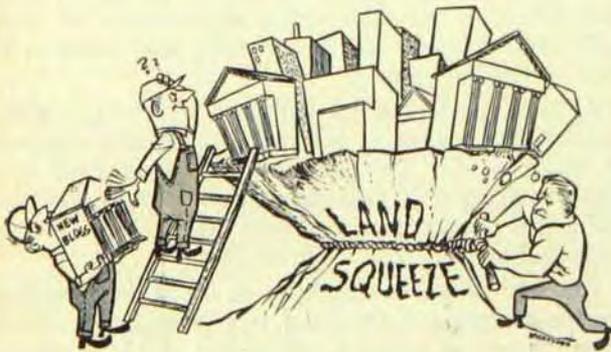
There are three areas adjacent to the Minneapolis campus which could be used for expansion. One is north of campus, bounded by the Great Northern right-of-way and 10th avenue S.E. It is now used intensively for student and faculty housing. The Regents report says classroom expansion into this area would "disperse housing and add further to the parking problem." The report recommends this locality be used for more housing.

The second area is southeast of campus, bounded by Oak street, the Milwaukee right-of-way and the River Road. This area is also used for housing and the report recommends it be used for even more intensive development of housing.

The third area is the Riverside area, described as being generally blighted, on the west side of the Mississippi river. There is little student housing there. The report calls this "by far the most advantageous area for expansion of instructional facilities."

President Morrill in his address this fall to parents of new students, said, "We should even now be expanding west of the Mississippi river."

Conflict of interests, however, is providing a stumbling block to University expansion in this area. Mayor Eric Hoyer of Minneapolis expressed the city's fear that the University might take over the west bank of the river and "deprive the city of tax returns on the property." A compromise may develop. The University is interested in only 60 acres of the total 416 acres of the Riverside area. A 10-man legislative commission is now studying whether the University should leap the river gorge. The Minneapolis housing and



New buildings, but where do they go? The University, particularly the Minneapolis campus, caught in a "land squeeze" is looking for new area in which to expand.



Joe arriving to find a classroom seat but no place to hang his coat and hat is a situation University educators are seeking to avoid on the campus of 1970.

development authority proposed to work with the University and the planning commission to study the area affected by University expansion and develop a fixed plan for the entire area.

More buildings for instruction, housing and food services and additional land space are the material

needs which the University must have to meet the rising enrollments.

But the needs of the University are not only material. High standards of teaching and education must be maintained. And in order that 47,000 young people in 1970 may have the opportunity to get this education, the University needs the support of the people of this state.

The University expansion program for the next fifteen years seems staggering in terms of cost. The cry is often raised, "The University is growing too big." But the University feels it is asking the people not just for money, but for an investment which will yield returns of far greater value than the money invested. University educators are prepared not only to ask more money for expansion, but to explain why money put into the University is a wise investment.

In the final analysis, it all comes down to one simple, personal question: *Will my child be able to go in 1970?*

Next Month

Gopher Grad will present the third in a series of illustrated articles on how the University is proposing to meet the demands for food, housing and classrooms in the years between now and 1970 when enrollment is expected to swell to the staggering figure of 47,000 students. The first article dealt with expanding classroom needs. The last will consider new teaching techniques to maintain high-quality education in the face of this bulge.

*A citizen active in maintaining
unfettered education points out that
a healthful climate for learning is the—*

Climate For Freedom

Samuel C. Gale

More than ever before, there is a challenge to see that a healthful climate exists for education in all parts of our nation and in all segments of our society. Significant powerful developments of recent years make this even more vital and urgent today that at any previous time in our history.

This climate is created through the free and joint efforts of three essential groups,—young men and women who are the seeds which a healthful educational climate can develop into productive citizens who will, because of their educational experience, contribute more richly to the progress and well-being of their society; the faculty under whose able and diligent guardianship the rich fruits of education are nurtured and matured, and the citizens of our nation who must furnish the soil and sun and water without which this process cannot flourish.

There has always been an amazingly healthful basic climate for education in North America. Our forebears, having come to these shores to enjoy the blessings of liberty, realized from the beginning that education was essential to that end. Under severe hardships grammar schools were established. Teachers, pupils, and parents made great sacrifice to carry the educational program forward. As the western movement opened new frontiers, teachers were among the first to follow and were quite generally honored members of the pioneer community.

To me, the most amazing evidence of the healthful educational climate in those days was the founding of the first institution of higher learning in Cambridge, Massachusetts, only sixteen years after the Mayflower landed. During the next century, this example was followed throughout the colonies. It was nearly sixty years before the first college was opened in the South, but it is interesting that the first State University was created in the constitution of North Carolina adopted in 1776. Since that time, despite the fact that

the Southern Society developed under a somewhat more aristocratic pattern, strong State universities have played a basic part in the development of every Southern State, as they did when the Western States were created.

Most of the remarkable men who shaped our unique institutions and developed the continuing evolution of our free society believed in education and were in some fashion closely identified with its development. For example, John Adams, whose remarkable diary gives a warm and vivid description of his whole educational experience from grammar school through college and the study of law.

Many of Thomas Jefferson's most basic writings deal with the great importance of education. He said, "I know of no safe depository for the ultimate powers of society save the people themselves; and if we consider them not sufficiently informed to exercise this power with a wholesome discretion, the remedy is not to take it from them, but to inform their discretion through education." His statement was backed by his many acts in the interests of developing a healthful educational climate, including his special work for the University of Virginia.

Horace Mann at an early age abandoned a lucrative law practice and brilliant political career and, for the rest of his life, subjected himself to tremendous difficulties and hardships to create a climate where the public school, and particularly the secondary school, would become open to *all* youth.

In the troublous days of Abraham Lincoln, despite the peril to the every existence of our nation, the principal of federal land grants for higher education was extended to all States, with the accelerating development of strong and growing State Universities the logical sequence.

Since our society is not static but constantly changing and evolving, it is essential that we renew this

heritage of faith in education as its indispensable cornerstone at frequent intervals. Today, the whole pace has quickened and we are confronted with new circumstances which make this renewal doubly necessary. Three developments seem to me particularly obvious:

- The tremendous upsurge in the American birth rate during the past fifteen years follows a period of static and declining population growth. This alone means that the wave which has already engulfed our elementary grades will roll on through the junior high schools, the senior high schools, and then the colleges and universities of the nation. The problem of maintaining a climate sufficiently healthful to permit optimum growth and richest harvest from the unprecedented generations of youth growing to maturity will tax our intelligence, good will, and resources.

- At the higher educational level, the ever-increasing wave of students will be further swelled by the ever-growing demand for more and more thoroughly trained people in the fields of education, health, agriculture, technological sciences, business and industry, and the government itself.

- A dynamic new force (not free) is facing us which is committed to pushing the mass educational process to lengths never before achieved. All observers of Soviet Russia agree that the one most positive phenomena in its development during the past thirty-nine years has been the breadth and depth of educational growth. This has been achieved not through free cooperation and voluntary action, but through the ruthless power of its rulers. Beginning with a program of quick achievement of literacy among the vast, scattered, and largely illiterate masses, it has created an educational machine where teachers and students are picked and commanded to prepare themselves thoroughly and completely for whatever task the dictatorship assigns them.

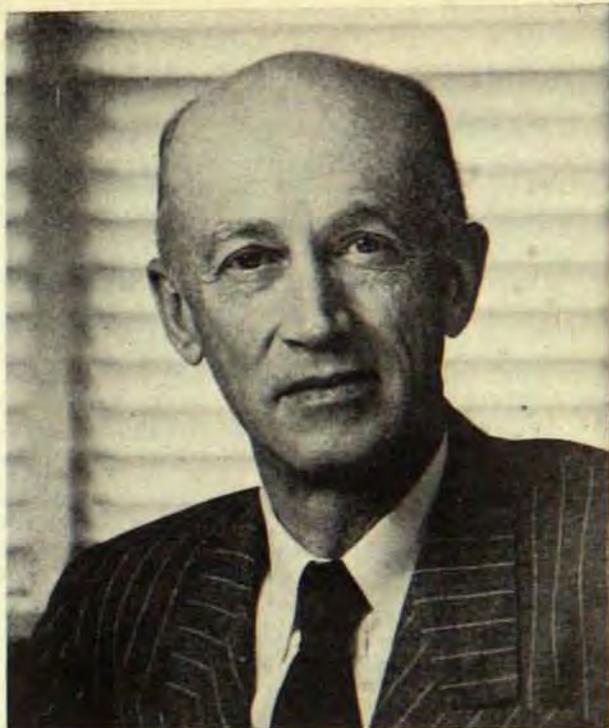
From a purely quantitative standpoint, the Communist-type program can easily catch up with and exceed our own free but dynamic education for technological progress in a relatively short period of time. As opposed to the hardy but healthful educational climate which we have created and generally maintained here, the dictatorships have created and so far maintained a forced hot house climate. This does produce faster growth, and in some instances, at least from the standpoint of size, a more imposing fruit.

I feel that we cannot, even if we wanted to, impose a hot house climate on our educational process and still remain a free society.

I feel that, in the long run, the hardier fruit of the rigorous free and open climate will survive where ultimately the hot house fruit will rot and fail to reproduce.

There are many things that we can all do as citizens to make our contribution. The first and most basic is to believe completely in the essential value of education to a free, sound society.

There are innumerable ways in which each of us



Samuel C. Gale

is consultant to General Mills, Inc., and chairman of the Governor's committee to study future needs of higher education in Minnesota. Gale retired from active service with General Mills in May, 1955, after 34 years with the firm and its predecessor, Washburn Crosby Co. During the past year, he has taken an active part in programs of communication abroad. Last year, he was state chairman of the Crusade for Freedom and is a trustee of Twin City Area Education Television Corp.

can implement that belief. One is to participate in voluntary citizen activities aimed to make some contribution toward a healthier climate for education every day of the year. As examples of such volunteer activity, I will mention four of these briefly. I have had the privilege of working with some of these volunteer groups. One was the National Citizens Commission for the Public Schools organized seven years ago at the instigation of certain leading educators, but composed entirely of lay men and women under the leadership of Roy Larsen, President of TIME, Inc. Until its commission expired last January and a still broader successor took over, members of this group spent thousands of hours and traveled tens of thousands of miles to stimulate and help the formation of voluntary citizens' group in communities throughout the country aimed at studying the problems of their public schools and seeking ways and means of strengthening them.

Another was The Advertising Council composed entirely of business men engaged in mass communication. The Council was founded immediately after Pearl Harbor to utilize all channels of communication to bring messages required for maximum public support of the war effort to all groups throughout the country. Its post-war public service includes an eight-year

old program for better schools which is today stronger than ever.

A third volunteer activity with which I've been associated has been an effort on the part of citizens here in the State of Minnesota to take advantage of the educational potential of television by the development of television facilities for use in many educational fields where this medium can make an important and growing contribution. As a first step, the volunteer trustees of the Twin City Area Educational Television Corporation has succeeded in raising the capital funds for the first such station in Minnesota, and a license for Channel 2 was granted on June 20.

In addition, there is currently being launched a study to develop a picture of the probable needs for higher education in our own State during the next two decades backed by adequate facts, so that the citizens may begin to develop the very special climate that will be necessary for these needs to be fully and effectively met. The lay group charged by the Governor with this responsibility will be greatly aided by the continuing study in this field undertaken by the Minnesota Association of Colleges—one fine example of cooperation.

There are hundreds of other ways in which citizens are constantly doing their part individually and collectively to maintain and further strengthen the healthfulness of the educational climate in their community, their State and their Nation. If we are to meet the growing challenges of the future we must all be prepared to do in our own way even more than we have been called upon to do in the past.

Above all, this is a challenge to you graduates.

While you are still radiant from the health-giving climate which has fostered your educational development, you have an added urge and extra energy which can well be devoted to finding an appropriate way to put back to work for education some of this inspiration and power which you have received.

The deep and enduring belief in education must be accompanied by an understanding of the goals of education and its basic processes. This belief in the rewarding values of education must be shared by our youth, so that there will be the maximum motivation to seek and profit from educational opportunities to the limit of the potential of all boys and girls.

We should recognize that education, while of vital and primary importance for youth, is a never-ending process which must continue throughout our lives.

We should have a willingness to concede that education cannot stand still, but must move forward with our dynamic society. We should never be content with patterns and accomplishments of the past, but must always seek improvements and new means of strengthening and broadening the educational process.

We must recognize and accept the fact that education must remain free if our society is to remain free.

We must realize that hard work and sacrifices are essential in order to insure an ever more healthful climate for an ever more fruitful educational program.

Minnesota Hails Hungarian Patriots

University of Minnesota,
Nov. 3, 1956

Mr. Henry Cabot Lodge, Jr.
Chairman of the United States Delegation
At the United Nations

Dear Sir:

The enclosed petitions were signed by the students and faculty of the University of Minnesota as an expression of moral support to the Hungarian students who have fought for the liberty of their country from Communism, and as a token of tribute to those heroes who have fallen in an uneven struggle with the oppressor.

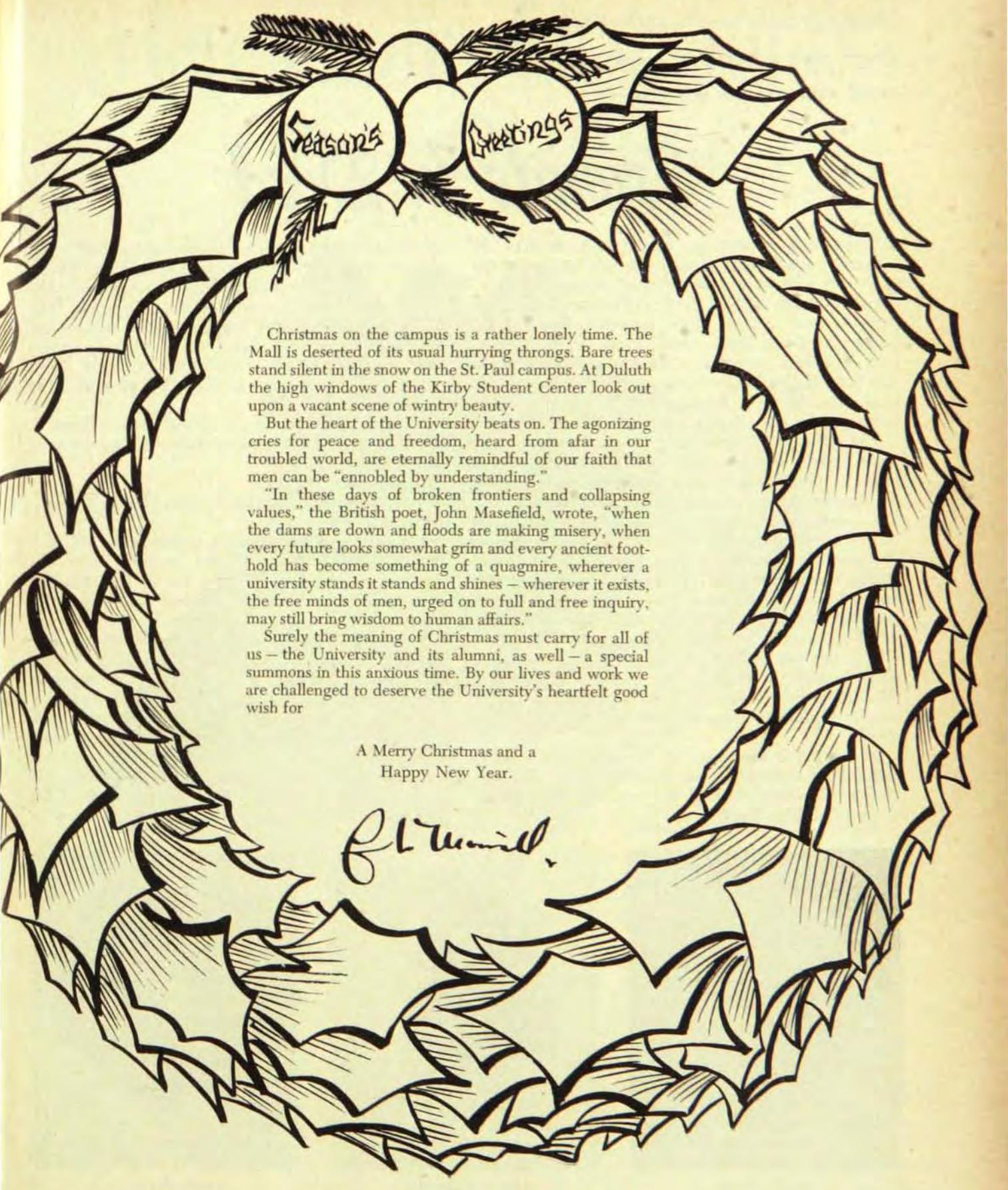
The revolution in Hungary and the unjustified interference of foreign troops in the affairs of that country has deeply moved world public opinion. The shooting of Soviet tanks upon unarmed people of Budapest will not be forgotten or forgiven by the Hungarian nation or by the world at large. We, the undersigned, join those who have voiced a sharp protest against the brutal use of arms in the attempt to suppress the Hungarian uprising.

To us, students and faculty of the University of Minnesota, academic freedom is indispensable to the spread of truth and the growth of knowledge. For this principle, the principle of university freedom, the Hungarian students have fought and died. For this principle may die other fighters for freedom. In order to avoid possible further bloodshed we demand the withdrawal of Soviet forces from the areas subjugated by the U.S.S.R. The removal of that country's armed forces may not necessarily mean immediate freedom to the oppressed nations, but their removal, we believe, will certainly facilitate its introduction.

The enclosed petitions were signed by 2,526 students and faculty members. The number of signatures could have been easily increased had the petitions circulated on the campus of the University of Minnesota more than one day. The pressure of time made this impossible. We believe that it is not so much the number of signatures but rather the message that they carry that is significant.

We bring these petitions to your attention, Mr. Lodge, in the belief that our country, which you represent in the United Nations, has always defended the rights of the individual and his freedom, and that you, more than anyone else, are in a position to take appropriate action in this matter.

Respectfully yours,
for the Latvian Club, for the Ukrainian Club,
Andris Vitols, SLA George Olkhovskiy '56BA



Season's

Greetings

Christmas on the campus is a rather lonely time. The Mall is deserted of its usual hurrying throngs. Bare trees stand silent in the snow on the St. Paul campus. At Duluth the high windows of the Kirby Student Center look out upon a vacant scene of wintry beauty.

But the heart of the University beats on. The agonizing cries for peace and freedom, heard from afar in our troubled world, are eternally reminding of our faith that men can be "ennobled by understanding."

"In these days of broken frontiers and collapsing values," the British poet, John Masefield, wrote, "when the dams are down and floods are making misery, when every future looks somewhat grim and every ancient foothold has become something of a quagmire, wherever a university stands it stands and shines — wherever it exists, the free minds of men, urged on to full and free inquiry, may still bring wisdom to human affairs."

Surely the meaning of Christmas must carry for all of us — the University and its alumni, as well — a special summons in this anxious time. By our lives and work we are challenged to deserve the University's heartfelt good wish for

A Merry Christmas and a
Happy New Year.

R. L. Merrill

Three Coeds in need find MAA grants with a 'personal touch' proof that Alumni are truly—

Friends In Deed

Three needy students are among the more than 350 University scholarship winners this fall because of the generosity and interest of a trio of alumni clubs.

Karen Olness, 20, SLA junior of Peterson, Minn., has reported back to class as the personal charge of the Greater St. Louis MAA; Janice Pettis, 18, SLA freshman of Gibbon (near New Ulm, Minn.) has the financial help of the Greater Chicago MAA; and Ardyce Gustafson, 18, SLA freshman of St. Paul, is being sponsored by the Pittsburgh MAA.

The grant with a "personal touch" was inspired four years ago by the St. Louis club whose imaginative move to sponsor one student a year has since aroused the interest of clubs from Arizona to Maine.

St. Louis started the new trend in scholarships with no other intention than to make its own meetings "purposeful and lively," according to Dawes Potter '42BA, former president of the St. Louis group and now scholarship chairman. Four years ago, at one of the club meetings, a discussion took place concerning what Potter called "our specific purpose."

"We felt our club would be stronger if we had a close tie with the campus," he recalled. "It seemed a scholarship would give us this tie as well as give a worthy student the opportunity to go to the University."

In 1952, the first year of the venture, members raised \$200 of its \$300 goal and the Bureau of Loans and Scholarships awarded the grant to Miss Elaine Cyphers of Blue Earth.

Gifts to the next year's fund amounted to \$300 without any urging whatever, according to club officers. Members were enthusiastic about the work of Miss Cyphers and were beginning to get a first-hand feeling of the satisfaction in helping a good student get through college. The second year's gift was subsequently awarded by the University to Dale Smith of Luverne, Minn., and, in the third year, to Miss Olness.

When the St. Louis club "found" Miss Olness, it began to take a different outlook on its new-born philanthropy.

Dawes said:

"We just became attached to Miss Olness, I guess."

He added:

"It wasn't just her excellent academic record. She wrote delightful letters on her progress. Also, she never wrote without expressing her appreciation for what we'd done. Last fall, we had a sort of spontaneous decision to back her all the way.

In story-book style and with an impact that probably could be appreciated only by a struggling student, Karen heard that the St. Louis club had voted to "adopt" her at the end of her year's scholarship.

In case the St. Louis members haven't yet heard, their generous support in four otherwise-lean years may assist in producing a doctor. At a recent tea honoring all 40 alumni scholarship winners, Karen told MAA ExSec'y Ed Haislet that she has applied for entrance to medical school.



Karen Olness



Ardyce Gustafson



Janice Pettis

Here's One Of Santa's Prize Packages



Telephones as Christmas Gifts

If you order early, we'll do our best to install your gift telephones before Christmas. If that isn't possible, then we'll come around after Christmas and install them wherever you wish.

There's a new idea in gifts and it's one of the best in a long, long time. It's the idea of giving telephones for Christmas.

Few things are so sure to be appreciated by everybody. For when you give someone an additional telephone you give three of the greatest gifts of all—comfort, convenience and security. And "it's fun to phone."

So this year, make it something different and "give the gift you'd like to get."

Save steps and work for Mother by giving her an additional telephone for the kitchen or bedroom.

Help Dad avoid puffing up the stairs (they may be getting a little steeper, you know) by giving him a telephone in his workshop.

Reward the teen-agers who are growing up so fast with a telephone for their very own. (That could be a break for you, too!)

Easy to do. The cost is moderate. There's a choice of eight handsome colors. Ivory, beige, green, blue, red, yellow, brown and gray. Just call the Business Office of your local Bell telephone company.

Working together to bring people together
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SUMMA CUM LAUDE



To

An Editor and . . .

Dr. Dorothy M. Leahy on her appointment to the Editorial Advisory Board of Encyclopaedia Britannica. A professor of home economics at the University of California, she will review Britannica's reference material in her field, recommend new contributors and give final approval on material for publication. She is a former teacher at Central High School in Minneapolis and is nationally known for her work as a curriculum specialist, having also served as adviser to the United States office of Education. She received a bachelor of science degree from the University in 1922.

Industrial Chief

Frederick R. Kappel on being named president of the American Telephone & Telegraph, the largest utility company in the world. A native of Albert Lea and a former Minnesota dance band drummer, Kappel had been president of Western Electric Co. since January, 1954. He worked his way through the University, graduated in 1924 with a Bachelor's degree in electrical engineering and married a classmate, the former Ruth Carol Ihm of St. Paul. His career began as a ground man with Northwestern Bell. In 1954, he received the University's outstanding achievement award.



facts and opinions from
the alumni secretary

A Loyalty Test

Dear Gopher Grad:

The other day I had a chat with a graduate of one of the small Eastern private universities and he was bragging about the loyalty of *his* class to *his* school. I told him I thought that Minnesota alumni were just as loyal. After he left, I got to thinking — just how could I actually ascertain the number in any particular class that were members of the Alumni Association. Since the Association is the only voluntary organization dedicated to the support of the University, that certainly would be a loyalty test.

Here's what such loyalty test revealed:

<i>Class</i>	<i>Rank</i>	<i>% of Members</i>	<i>Class</i>	<i>Rank</i>	<i>% of Members</i>
1921	1	40%	1931	26	12.2%
1920	2	38.5%	1918	27	11.8%
1924	3	32%	1908	28	11.4%
1922	4	31.9%	1953	29	10.8%
1909	5	27.3%	1951	30	9.8%
1919	6	26.8%	1935	31	9.1%
1923	7	24.3%	1936	32	9.0%
1907	8	20%	1933	33	8.9%
1910	9	19.7%	1940	34	8.7%
1925	10	18.2%	1942	35	8.3%
1906	11	18.1%	1941	36	7.8%
1926	12	17.8%	1939	36	7.8%
1913	13	16.1%	1937	38	7.7%
1927	14	15.9%	1934	38	7.7%
1928	15	15.8%	1950	40	7.2%
1915	16	15.7%	1944	40	7.2%
1912	16	15.7%	1943	42	7.1%
1917	18	15.3%	1949	43	6.6%
1932	19	15.0%	1947	44	6.2%
1930	19	15.0%	1945	44	6.2%
1914	19	15.0%	1948	46	6.1%
1929	22	14.0%	1938	46	6.1%
1916	23	13.6%	1946	48	5.4%
1911	24	13.4%	1952	49	5.2%
1954	25	12.9%			

How does your class rank?

Actually if you and every member of the Association would obtain one new member — our Association of 13,000 would double over night. As a loyal alumnus — help your class pass the loyalty test. It's easy. Just call a classmate or friend. Get him to join. It will be fun to see how much your class will improve in rank the next time figures are published. Thanks too for your support.

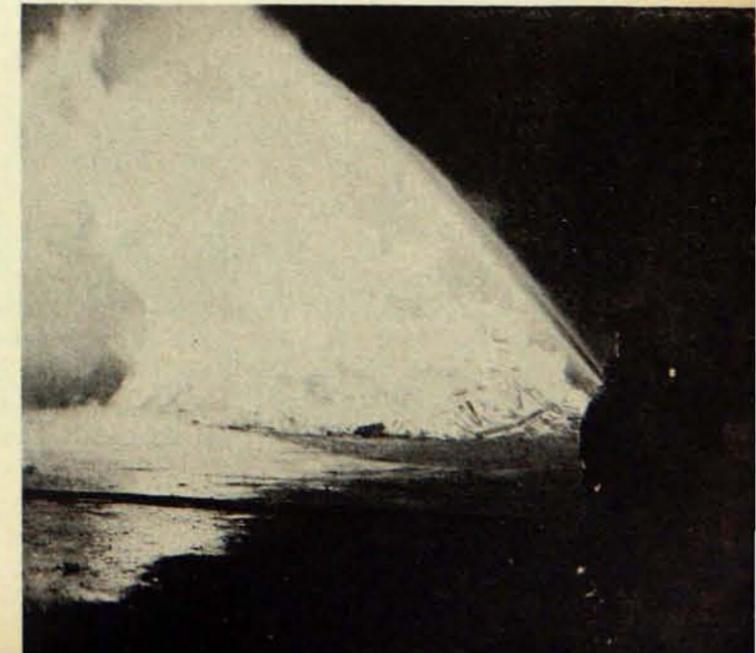
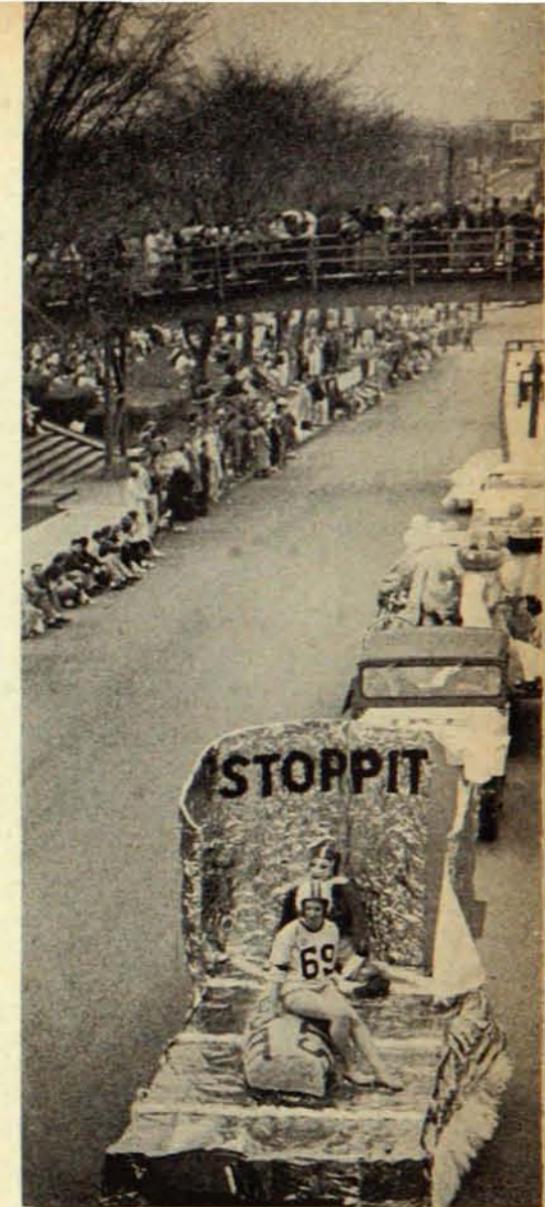
Sincerely,

Ed Hauslet

Hilarity Begins At Homecoming

The contagious spirit of homecoming gets a positive boost when the football invader is also beaten. This year, all the working, hoping, sleepless nights, decorating, and planning built up to one big victorious crescendo on Homecoming Saturday when the Golden Gophers just skidded beyond the paws of the Pittsburgh Panther by a score of 16-13. The rocking, socking football game seemed to make all the other efforts thoroughly worthwhile and, as fans gathered at the alumni coffee hour afterwards and at the Alumni King Marshall Crowley's reception that evening, there was jubilation compounded with the feeling that comes when, for a moment, one turns back the clock and finds the campus — home.

Goings-on (counterclock-wise): Most every other moment, the Gopher cavorted; a duet in beauty; a threat that proved too true; Queen Donna Darelus (see page 21 for king); beards are part of the general show; even fun gets a damper on it; the parade through a knothole. (Photos by Wally Zambino.)



Talking It Over



Dad's Association President Carlton Cronin of Minneapolis and President J. L. Morrill talk over the address that Pres. Morrill gave before more than 500 dads of students who attended the 31st Annual Dad's Day luncheon held Nov. 17 at Coffman Memorial Union.

Charter Day and Lunch Set Feb. 28

The 1957 Charter Day convocation and Alumni honors luncheon was set for Feb. 28 at a meeting of the MAA executive committee.

Some eight or nine Outstanding Achievement Awards will be presented at the convocation.

The luncheon, to be sponsored by the alumni, will be in the main ballroom of Coffman Memorial Union. Invited to attend will be all past Outstanding Achievement Award winners, present and former members of the Regents, the Alumni Board, past presidents of the Board, the Board of Trustees of GUF, administrative committee members and presidents of Minnesota alumni clubs.

In other business, the executive committee discussed the 1956 Homecoming. The committee decided that although Homecoming was successful on a whole, the Alumni office should handle all alumni activities at future Homecomings.

'Banner' Year Predicted For Clubs

RAY CHISHOLM
MAA Field Secretary

University of Minnesota alumni throughout the state are preparing for a banner year. Of the 57 chartered clubs, 47 have already selected speakers for their annual meetings celebrating University of Minnesota Week. These meetings are held anytime from January 20 until the first week in April.

The time spread is to accommodate both the local clubs and the University speakers so mutually acceptable dates can be arranged. The first club to select a speaker was Winona requesting Dr. W. J. Breckenridge, Director of the Museum of Natural History. The latest to request one was Austin asking for Dr. Richard L. Varco, Professor of Surgery, and outstanding authority on heart cases.

In between, forty-five separate dates were arranged. Most often requested were speakers from the Political Science and Education Departments showing that Minnesota alumni are ever cognizant of world problems as well as trouble at home.

Bookings for football films took a sudden spurt with the victory over Illinois and Michigan. Alumni in every locality are highly pleased with the powerful young Gophers. Tuesday evening after the Michigan game, seven separate requests had been received for the Michigan football film. These requests were in addition to those made by eleven clubs which had booked the film long before the game was played.

'47 Gopher Book Sought

An alumnus in Michigan would like to buy or borrow a 1947 edition of the Gopher. Anyone who can offer any assistance or leads on this edition please contact the MAA, 205 Coffman Union.

Bookings are honored in order of receipt of requests, so it will be a long spell before the Michigan film gets to the last club.

With the large number of speakers traveling to the outstate clubs and considering the Minnesota weather, one would believe that cancellation of speaking engagements would be more or less common. This hasn't happened since the start of the program seven years ago. There has been some tight squeezes, but no cancellations. Last year Dr. Harold C. Deutsch was requested to speak at International Falls. He was given his choice of dates and took the latest one possible, April 6th. The idea was to stay away from bad weather. Result — a storm, with the worst driving conditions of the year. Dr. Deutsch went into the ditch driving to International Falls. He called ahead to say he would get there — but late. The dinner meeting was set for 6:30 p.m. Dr. and Mrs. Deutsch arrived at 8:00 p.m. — cold beans — but 150 enthusiastic alumni went away convinced that Dr. Deutsch's driving troubles did not impair his power of speech. A postscript could be added here stating that on April 7th conditions were just as bad. They had trouble driving home, too.

Through the cooperation of Dr. Deutsch and others in our Alumni Club speaking program, the University has grown in the eyes of the citizens of International Falls and other communities in the State. We are happy to see this program grow.

With the formation of two new clubs in October, Traverse County and Breckenridge-Wahpeton Area, we've come a little closer but still a long way away from our dream of having a chartered club in each county of the State. That is something for the future, but for the present we'll see that the clubs we do have are well served.

GOPHER GRAD

What could be finer
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Official Ring of the University of Minnesota

(Sponsored by MAA)

10K gold set with
maroon synthetic garnet

10 penny-weight	\$31.35
12 penny-weight	33.00
14 penny-weight	36.30

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Minneapolis, Minn.

Alumnae Honor Dr., Mrs. Morrill

Dr. and Mrs. Morrill were honored for their 10 years of service to the University with a "recognition ceremony" by the Minnesota Alumnae club at the annual Alumni Tea and Reception at the Morrill's home Oct. 27.

Mrs. Oscar Gaarden, past president of the Alumnae club and former University regent; past presidents of the Alumnae club who have officiated during Morrill's career here, and Melva Lind, present alumnae president, took part in the program which cited the advancements made by the University under Morrill's leadership.

DECEMBER, 1956

Closeup of Homecoming Royalty



Marshall O. Crowley '28BusA, who came from New York to participate as Homecoming King, found that one of his duties was to crown a campus cutie, Donna Darelius, the Homecoming Queen. A former president of the New York Alumni club and a track star in undergraduate days, Crowley is vice president and Northeastern Regional Manager of the General Electric Credit Corporation, New York.

St. Louis Members Elect '56-7 Officers

Al Waldvogal '46BME was recently elected president of the Greater St. Louis MAA for the year 1956-57.

Other officers elected by the group are Howard Nordquist '38MetEng, vice president, and Hjordes Johnson '40MSEd, secretary.

Newly elected to the Board of Directors for a three year term is Dawes Potter '42BA.

Grid Greats Act As 'Guard'



Spurring the Gophers in the Iowa game was an honor guard of former All-American players who include (left to right) Bob (Big Mac) McNamara of Hastings, (All-American '54); Clayton Tonnemaker of Minneapolis ('49); Bruce Smith of Faribault and Minneapolis ('41); Bill Bevan of St. Paul ('34) and Bert Baston of St. Cloud ('16). Selections were made by the "M" Club.

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Minneapolis 14**

Geologists' Dinner Meet



Sidelight to the recent Geological Society of America's meeting was a dinner at the Radisson Hotel for Minnesota geology alumni including Dr. Thomas Broderick '17PhD (second from left), retired from the Calumet Hecla Co., Calumet, Michigan, and Dr. F. F. Grout, professor emeritus of the department of geology. Mrs. F. F. Grout is pictured at the far left and Mrs. Thomas Broderick is at the right.

Parties in Tulsa

A New Year's Eve open house and a spring party will round out the year's social program for the Tulsa Alumni club.

Members gathered to celebrate, or mourn (depending on their party affiliation) the outcome of the Nov. 6 voting at an election eve party at the Hotel Tulsa. The club had a similar party in '52.

Traverse County Head



Gunder Gunhus '51BSL '53LLB, Wheaton, has been elected president of the Traverse County MAA. Gunhus, an attorney with Johanson, Winter and Lundquist, is spearheading a new membership drive for the county.

Detroit Alumnae Plan Full Social Season

One major social event for each of the six months remaining in the season has been scheduled by the 50-member alumnae club of the Detroit area.

Funds go toward scholarship assistance at the University.

The schedule for the women's group includes —

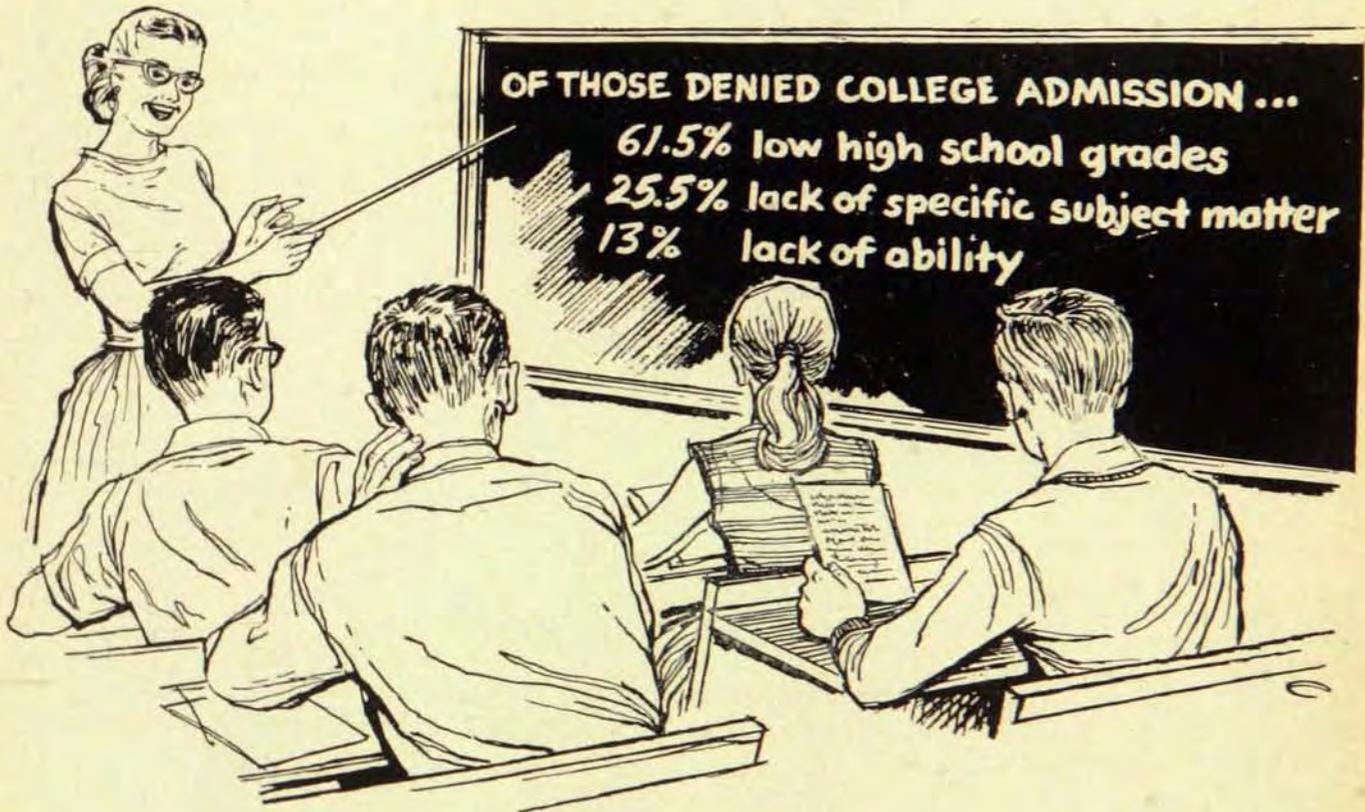
Christmas luncheon featuring Christmas readings at the home of Mrs. Victor Drummond, Bloomfield Hills, Dec. 7; dessert luncheon with a silent auction at the home of Mrs. T. E. Olson, Birmingham, Jan. 4; benefit bridges, Feb. 1; dessert luncheon with a guest speaker on flower arrangements at the home of Mrs. D. H. MacIntosh, Detroit, April 5; and a bridge luncheon at the Detroit Yacht Club, Belle Isle, May 3.

New Life Members

Robert A. Schmitt 1915-1917
Minneapolis, Minnesota

Gerald L. Sicard '52BAUMD
Duluth, Minnesota

Can your child go to your college?



Every one of us has the hope that his son or daughter may be so well prepared that the admissions officer will say: "Your application is accepted. We will look forward to seeing you in the fall." But sometimes plans go amiss.

We at General Electric have for years been urging youth to aim high, work hard, master the basic subjects, and go on to college.

Recently, we sent a questionnaire to 100 college-admissions officers. We asked: "What are the reasons some high-school students are admitted and others rejected?" The 78 replies we received contained a great unanimity of opinion.

We have summarized those replies in a booklet, *Start Planning Now for Your Career*; the illustration on this page, taken from the booklet, gives a clue as to its content.

We believe that the alumnus can work for the best interests of his college by sending to that college young people prepared to receive a higher education.

We further believe that our summary of opinions of admissions officers is so persuasively compelling that the boy or girl who reads it must ask himself whether he is choosing his courses wisely and getting high enough marks.

Perhaps with this booklet in hand and supporting its thesis with your own experience, you can help persuade your child, or another child in whom you have an interest, to prepare against the day when an admissions officer will review his record. We invite you to write for a copy (or copies) to Dept. 2-119, General Electric Company, Schenectady, New York.

GENERAL  ELECTRIC

Two New Librarians For U Staff Posts

Two new appointments have been made to the University of Minnesota library school faculty. Wesley C. Simonton has been named assistant professor and chief catalog librarian and Ann Patricia Callahan, assistant professor in the library school.

Simonton earned degrees at the University of Cincinnati and Columbia university and has worked in the Brooklyn college library and the cataloging department of Columbia university. He is treasurer of the division of cataloging and classification of the American Librarian association.

Miss Callahan holds degrees from Washington university, St. Louis, Mo., and the University of Illinois. Her experience includes special librarianship at the Mercantile Bank and Trust in St. Louis.

Xmas Seal Study

Dr. J. A. Myers '20MB MD, University professor honored at the international congress of chest physicians in Germany with the British Varrier-Jones medal for his work in tuberculosis control, recently indicated that his address during the meeting to 70 nations on fallacies that hinder TB control was based on studies financed by state and county Christmas Seal grants to the H. Longstreet Taylor Foundation at the University.

Farm and Home Week Set For Jan. 8-11

The 1957 Farm and Home Week will be held on the University of Minnesota's St. Paul campus next January 8-11, according to J. O. Christianson, director of agricultural short courses.

Public Invited to Nature Film Series at UMD

People of the Duluth area are invited to attend a series on the beauties of nature and the intimate story of natural wild life scheduled throughout the winter season at UMD.

The programs are free and will be held in the science auditorium on Sunday afternoons at 3:00 p.m.

Scheduled are a film on the Minnesota River Valley, Dec. 9; a talk on the wetlands-wildlife problem, Jan. 6; and films on water, Jan. 20; the natural world and reasons to conserve it, Feb. 3; the cottontail rabbit, Feb. 17; the bob-white through the year, Mar. 3; arrival of spring, Mar. 17; and Audubon's birds, Mar. 31.

Rural and urban people from around the state will hear a complete roundup of information on better farming and family living.



Kidding aside . . . Hinde & Dauch wishes you a Merry, Merry Christmas and a Happy New Year.



HINDE & DAUCH

Subsidiary of West Virginia Pulp and Paper Company

14 FACTORIES AND 42 SALES OFFICES IN THE EAST, MIDWEST AND SOUTH

WMMR Covers Election Doings



SLA Jr. Joel Fleming, staff announcer for the campus radio, was among the press corps covering election returns at the Leamington Hotel as the nation went to the polls last Nov. 7.

UMD Lists Students From Near and Far

Among UMD's record 1956 fall quarter enrollment of 2,123 undergraduate students are residents of 143 cities and 42 counties of Minnesota, 17 other states, six Canadian provinces and seven countries beyond the North American continent.

The enrollment, which also sets a new record in geographical distribution, still shows that the great concentration of students is within living or commuting distance of the campus, R. J. Falk, acting director, office of student personnel services, points out.

Columbia, the Fiji islands, Germany, Japan, Nigeria, Thailand and Vietnam are the overseas countries listed. Canadian students have come from Alberta, British Columbia, Manitoba, Northwest Territories, Ontario, and Saskatchewan.

St. Louis county's 1,570 students represent 74 per cent of the entire enrollment.

Of the states other than Minnesota, Wisconsin has the largest representation with 29.

DECEMBER, 1956

Ag Professor To Work With Low-Income Group

Edward Becker, county agricultural agent in Carlton county for the past three years, has taken up duties as area rural development agent in northern Minnesota for the University of Minnesota Agricultural Extension Service. He holds the rank of assistant professor.

The last U. S. Congress made funds available to the University for pilot work in rural development. The program grows out of a study by the U. S. Department of Agriculture that showed there was a substantial low income problem on farms in northeastern Minnesota.

AFROTC Appointments

The Air Force ROTC Detachment staff has made eight fall quarter appointments to the cadet wing staff. They include: Cadet Col. James Milner, IT senior, wing commander; Cadet Lt. Col. Donald E. Fink, SLA junior, deputy commander; Cadet Lt. Col. Donald A. Dibern, SLA sophomore, executive; James R. Bogard, IT senior, personnel; David Lowery, operations.

Thomas W. Murray, SLA senior, material; Cadet Major Richard G. Hable, IT senior, information service officer and Cadet Major William J. Sharratt, IT senior, adjutant.

December

HOLIDAY Magazine

-the biggest CHRISTMAS issue ever!

NAPLES, FLORIDA

It's as far south as you can go without running out of civilization, but this tiny paradise is Florida's boomingest city! Millionaires average four per square mile, and residential lots sell for up to \$20,000! This amusing Holiday feature tells you why!

★ ★ ★

SOUTH CAROLINA

Everyone in South Carolina is kin to just about everyone else—and to hear tell, they're all descendants of antebellum aristocracy. But rich or poor, they're a gracious people, and their state is the proudest in the Union!

★ ★ ★

THE MIDDLE EAST

Here's the feature that gives you all the little pieces in today's big picture! What oil has done to the old theme of conquerors and chaos . . . why cynical politics make the Arab world go round . . . what the Arabs dislike most about Israel . . . and more!

★ ★ ★

PEARL HARBOR

Here's Dec. 7, 1941! You'll learn about the intricate plans and the sheer luck, the heroism and the terror, the bombs and the bungles that made Pearl Harbor a name to remember! PLUS: the world's most famous cathedral. NOTRE DAME; MELBOURNE, AUSTRALIA, the Olympic City; New York's regal ST. REGIS; and a special shopping section packed with gifts and gadgets so perfect, you'll want to give 'em to yourself.

Now at Your Newsstand!

DECEMBER HOLIDAY

-the magazine of leisure for richer living!

The Real Mac GUF

by Robert P. Provost,
Director of the Greater University
Fund

Mr. and Mrs. Dawes Potter, masquerading as Mr. and Mrs. S. Claus, provided the inspiration for the Greater St. Louis Alumni Club's scholarship program (see p. 14).

Three students have already been awarded scholarships by Minnesota alumni in St. Louis and a fourth will soon be chosen.

More than thirty St. Louis alumni contributions have been received this year. Based upon this successful experience, Dawes has been the key in the extension of the idea to other clubs. He personally contacted Minnesota Alumni Club presidents in major metropolitan areas around the country and, in several instances, his efforts have already been successful.

I am sure that Dawes and Ruth Potter worked so diligently in behalf of this program because of their deep conviction in the value of helping capable young people. To carry this idea through, they have utilized the personal interest and individual identity features of a scholarship. These features allow the clubs to know about the recipient and to share in the educational experiences and personality growth the scholarship makes possible.

We hope that the personal satisfaction in realizing a number of capable youngsters are attending the University because of their efforts, will in part repay the Potters for the time and energy they have extended. For those of us who work in behalf of improved educational development opportunities for students, the St. Louis story is highly encouraging.

Within the next few days, the Bureau of Student Loans and Scholarships will announce the selection of a freshman scholarship recipient in the name of the Greater St. Louis Alumni Club.

Work in Progress On Parking Areas

Workmen recently began to demolish another section of condemned buildings near the campus in order to provide parking lot facilities for an estimated 250 cars.

The buildings being torn down are on the north side of Lot 11, at Fifth St. and Fifteenth Ave. It will take at least a month before the lot will be completed, according to Andrew R. Vernes, assistant director of Protection and Safety (P and S).

The cost of the project will total nearly \$500 for each new parking space, according to P and S studies.

Oh, Chicken Feathers! It's Now Food

A University livestock scientist reports that poultry feathers can be made into a substantial, if light, diet for farm livestock.

R. M. Jordan, in a report on feather meal research, said that processed feathers can be good protein supplement for some farm animals, including lambs.

As a result of experimental work conducted at the Agricultural Experiment Station in Morris, he described the particular animal sandwich as being comprised of soybean oil and feathers.

U Sets December Concert

Nine soloists will appear with the University of Minnesota Symphony orchestra in its annual fall concert at 3:30 p.m. Sunday, Dec. 2, in Northrop Memorial auditorium on the University's Minneapolis campus.

UMD Staffers Honored

Two UMD faculty members have been elected to high state offices.

Ruth Palmer, head and professor of home economics, has been named vice president of the Minnesota Vocational association, and John Dettman, associate professor of business and economics, president of the Minnesota Business Education association.

Episcopal Student Center To Get New Chaplain

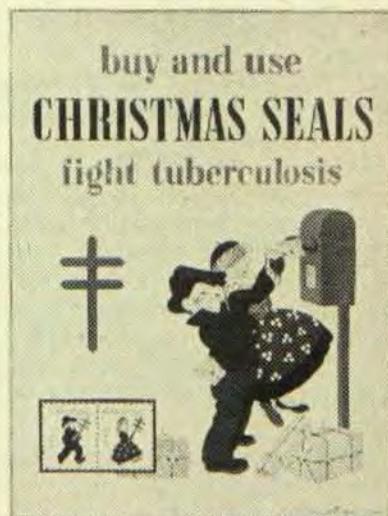
The Rev. H. A. Guiley, rector of St. John's Episcopal church, Linden Hills, Minneapolis, has been named chaplain of St. Timothy's house, Episcopal student center at the University of Minnesota, and vicar of Holy Trinity church by the Rt. Rev. Hamilton H. Kellogg, Episcopal bishop of Minnesota.

He will assume his new duties Jan. 1, 1957.

The Rev. Guiley, who has been at St. John's church since 1952, is a graduate of Lafayette college, Easton, Pa., and General Theological Seminary, New York City. Ordained to the priesthood in 1931, he received a bachelor of sacred theology degree in 1939.

He came to Minneapolis from Enid, Okla., where for seven years he was rector of St. Matthew's church in Enid and St. Stephen's mission, Alva, Okla. Previously he served parishes in Guthrie, Edmond and Cushing, Okla., and Brooklyn, N. Y., and was director and chaplain of the Church Charity foundation of the Diocese of Long Island. In his Oklahoma parishes, he worked closely with students and faculties of universities in the area.

At St. Timothy's, the Rev. Guiley will fill the vacancy created early this year when the former chaplain, the Rev. John Knoble, accepted a call to Houston, Texas.



Cagers have bright future if —

EXPERIENCE IS THE KEY

WILL SHAPIRA

Minnesota Daily Sports Editor

With last year's starting team returning intact plus several newcomers picked up via the freshman team and the service, Minnesota's basketball team figures to do all right for itself this season.

The vets are Capt. Dave Tucker, Jed Dommeyer, George Kline, Buck Lindsley and George Hanson.

In addition, Ivan Mielke and Mickey Bearman have swapped their military service colors for Maroon and Gold, and both look like they'll furnish considerable aid this year.

Additions from the freshman team are Larry Salmela, Warren Jeppesen, Bob Anderstrom and Whitey Johnson.

Jeppesen's 6-7 stature should be extremely important to the Gophers who are suffering from lack of height. Jeppesen, Dave Griffin and Mack Nettleton all stand in the 6-6 to 6-8 range. But after that, the height drops off quite a bit.

As has been the case the past few years, the cagers will spend a few days on the road after Christmas, taking part in a holiday tournament. This year, they'll be playing in the Buffalo, N.Y. Invitational tourney Dec. 27-29.

The first home game is Dec. 1 against Vanderbilt. The Gophers then play away at Rice Institute Dec. 6 and at SMU Dec. 8.

Following those games, the next home appearance will be Dec. 20 when Kansas State comes to town. Then it's the Buffalo tourney acting as the final tune-up before the Big Ten season opens with a Jan. 5 date at Illinois.

In recent squad workouts, things have been encouraging to Coach Ozzie Cowles and Assistant Coach



Captain Dave Tucker

Glen Reed. Both have expressed guarded optimism about the chances of this year's team to possibly merit a title contender's rating.

After all the Gophers appear to have the guns, though several other league teams are strong, too. But Tucker, Kline and Dommeyer make a handsome front line trio, all have gained extensive experience last year.

The guards figure to hold up their end of things too, although they're not exactly the tallest in the league. Buck Lindsley, George Hanson, and sophomores Bob Olson and Whitey Johnson have all looked good in pre-season workouts.

The bench looks pretty solid, too. If Bearman, Jeppesen, Griffin and Mielke don't make good on their bids for starting spots, they'll certainly lend fine depth to the front line, along with Wayne Fix, Nettleton and Anderstrom.

Considering all "ifs" and "buts", one factor has been fairly well established during Coach Cowles tenure at Minnesota. He gets the best out of his material. Given time to screen and place his new varsity candidates in non-conference competition before Jan. 5, the Minnesota five will be worthy opponents for any conference foe. The old hands plus the overall height in replacements could mean a battle for the conference crown right down to the last game. Last season Minnesota tied with Indiana for sixth place with a 6 won 8 lost record in conference play. Whatever the outcome, Minnesota cage fans can look forward to an exciting season.

Elsewhere around the league, pre-season title choices have favored Illinois, Ohio State and Indiana along with the Gophers, who have been cast in somewhat of a darkhorse role.

Frosh Swimmers Promise Possible National Surprise

A good chance for a Big Ten Swimming championship sometime before the present Gopher freshman team leaves school has been predicted by Coach Niels Thorpe.

"This year we have one of the best freshman teams Minnesota has ever had," Thorpe said recently.

The Gopher coach bases his hopes on three freshmen who won state championships in high school. They are:

Tom Stillman, Minnesota 100-yard breast stroke champion from Minneapolis Southwest; Wilton Berger, state individual medley titlist from Winona; and Ray Abrahamson, the 100-yard free style champ from Indiana.

Both the freshman and varsity squads are working out daily with the varsity preparing for its first meet against Wisconsin here Jan. 19.

Although Big Ten rules prohibit freshmen from participating in conference meets, Thorpe feels "the freshmen will get good practice in numerous time trials against the varsity."

Two meetings have been called by Thorpe to discuss eligibility "so we don't have any problems with our freshman next season."

Athletic Department Shows Deficit

Expenditures for the Athletic Department during the fiscal year ending June 30 amounted to more than the \$7,000 income for the same period, according to figures released by the University.

This past year the department received the highest income it has recorded.

Biggest share of the receipts were from football. Close to three-fourths of the department's income was received from gridiron fans, both on and off the campus. The 1955-56 football total was over \$750,000. Over-all receipts came to \$1,170,165.32.

On the expenditures side for current operations, the figure was \$842,214.03. Obligations of the department for 1955-56 totaled \$1,177,777.98.

Almost half of the athletic loan, which was taken out for repairs on the facilities, mainly Williams Arena, was paid off. Only \$174,000 remains to be paid after the \$145,000 was deducted this year.

Other expenditures included repairs and alterations for 1955-56 (\$164,000); athletic salaries (\$312,000); and travel expenses (\$82,000).

Basketball was the second high-

est income-producing sport, bringing in over \$98,000. Hockey added another \$65,000. Baseball, track, gymnastics, wrestling and boxing and swimming followed in that order. Income from programs, ice rink, radio and television amounted to \$250,000.

Gopher Tank Squad Prepares for Opener

Seven returning lettermen form the nucleus of this year's swimming squad as the tankmen make ready for their first outing at the Minnesota State Time-Trial Open at Carleton Dec. 1.

All of the Gophers, frosh included, will participate in the meet, but will swim unattached.

Heading the veterans will be captain LaRue Johnson, a backstroker; Jerry Fladeland and Mike Chopp, breast-stroke men; freestylers Jim Jim Gawboy, Dave Bowers and Jim Steivang; and diver Dick Hensel.

Another man who should help the squad's chances is Pete Goelzer, a versatile man who coach Niels Thorpe says can do just about anything.

NOW! LIFE INSURANCE TO 65 PREMIUMS RETURNED IF YOU LIVE TO 65

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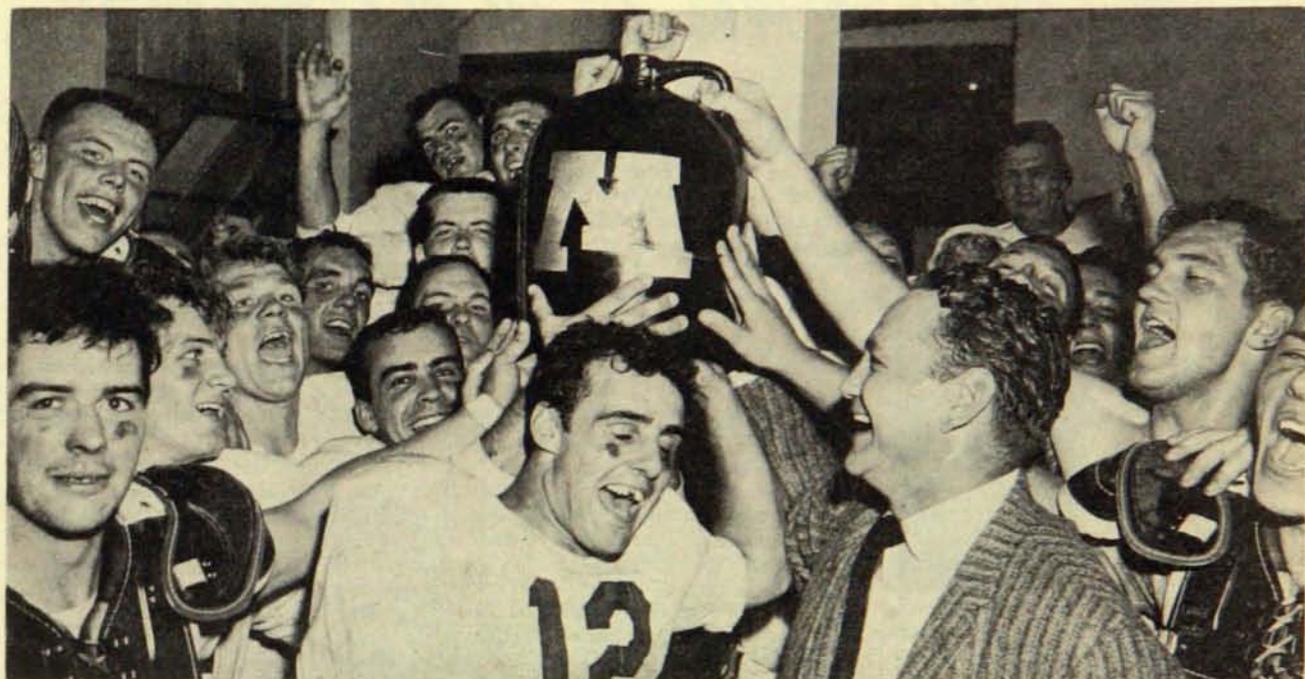
- 1 | Provides life insurance protection to age 65.
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At 65, the funds can be (a) taken in cash; (b) used to provide an annuity; (c) left on deposit at a guaranteed rate of interest; (d) used to purchase a paid-up policy for the original sum insured (without evidence of insurability on advance election) and the balance taken in cash or as a guaranteed income.

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SUN LIFE OF CANADA

This Little Brown Jug Came Home But . . .



Gopher Captain Dean Maas, Gopher Sparkplug Bob Cox and Coach Murray Warmath (all in foreground) are jubilant over the return of the Little Brown Jug as players gather in the locker room after their hard-earned victory of 20-7 over Michigan. But, in the Iowa game which had a final score of 7-0, the little pig and first option on the Rose Bowl went to Iowa. (Photos by Minneapolis Tribune and Frank Briese.)

Puck Squad Set By Mariucci

Minnesota hockey Coach John Mariucci cut his varsity squad to 20 recently leaving 12 of last year's lettermen on the team.

This was the first cut of the season for the Gophers, who are preparing for their opening series against St. Boniface Dec. 7 and 8 at Williams Arena.

Mariucci said that, besides the varsity, he will keep a second team composed of players who will be held out of competition this year to gain needed experience.

Three returning lettermen have already dropped out of school and are lost to the team at least until winter quarter. They are defenseman Ray Karnuth and forwards Dick Johnson and Dick Burg.

John Newkirk, another veteran defenseman, is in the hospital and will be lost temporarily.

The present hockey roster includes:

UMD Home Games

Basketball

Dec. 7	Northland College
Dec. 11	St. Thomas
Dec. 29	Wisconsin State

Hockey

Dec. 6	St. Boniface
Dec. 15	Winnipeg Rangers
Dec. 21, 22	Ft. William

Goalies—Jack McCartan[°] and Don Vaia.[°]

Centers—Mike Pearson[°], Bill Swanson[°], John Delmore and Roger Rovick.

Wings—Marv Jorde[°], Dave Rodda[°], Terry Bartholome, Bob Turk[°], Ken Wellen[°], Murray Williamson, Tom Riley, Herb Brooks and Roger Benson.

Defensemen—Jack Petroske[°], Bob Schmidt[°], Gary Alm[°], Larry Alm and John Newkirk[°].

([°] Denotes lettermen.)

This Little Pig . . .!



Around and About with the Alumni

'09

C. E. Comer 1908-'09, who studied at the U of M Law school, has been Judge of the Fourth Judicial District, Missoula, Mont., for nearly 25 years.

'10

W. J. Hamilton '10BA recently retired as director of the Dayton and Montgomery Public Library, Dayton, Ohio. His resignation marked the completion of 50 years of public library service. His career includes service with the Minneapolis, Gary, Ind., New York City and Washington, D.C., public libraries. He became director of the Dayton library in 1936.



W. J. Hamilton

'16

Former U Student Is Rotary Int'l Officer

Joseph A. Abey of Reading, Pennsylvania, who attended the University of Minnesota in 1916-17, is a member of the Districting Committee of Rotary International, world-wide service club organization, for 1956-57.

Mr. Abey is circulation manager of the Reading *Eagle-Times*. In Reading, he has served as president of the chamber of commerce, an advisory board member of the Boy Scouts, a committee member of the YMCA, and chairman of the hospital drive. He is a past director of the Interstate Circulation Managers Association. A member and past president of the Rotary Club of Reading, he has been a director and district governor of Rotary International.

To promote international understanding, Rotary International is now engaged in a world-wide program of Rotary Foundation Fellowships, which provide grants for one year of study abroad, as ambassadors of good will, to outstanding college graduates.

Harris T. Baldwin '16BSAg retired this spring after more than 37 years of service with the United States Department of Agriculture. Mr. Baldwin served a long time as chief of the exhibits service and was one of those who first recognized the educational value of visual aids and worked to spread this understanding.

'20

C. P. Tenneson '20BA last spring was appointed chairman of the ranking committee of the Northwestern Lawn Tennis Ass'n. for the third straight year.

W. L. Snider '44BChE recently was named supervisor in the Shell Development Company's development division at Emeryville, Calif., research center.

'22

Dr. C. Walter Rumpf '22MD, school physician for Shattuck School, Faribault, received a citation from Shattuck alumni association for Distinguished Career, Community Service and Service to Shattuck. Dr. Rumpf, a Shattuck graduate of 1915 and a former member of the board of trustees, served as the 19th Army Corps chief surgeon in Europe during World War II and has been a physician and surgeon practicing in Faribault.

'23

Florence Lehmann '23BA, a member of the Minneapolis School board, this summer was elected a director of the Minnesota School Board Ass'n. Mrs. Lehmann, formerly a reporter on the Minneapolis Journal, has served as a public relations counsel specializing in civic and welfare activities.

'26

Lawrence R. Hafstad '26BSEE, General Motors vice president in charge of the research staff, spoke recently on the problem of America's shortage of engineers. Dr. Hafstad, one of America's foremost authorities on the peacetime uses of nuclear energy, cautioned students to "Learn mathematics and science—or Russian."

'28

Brig. Gen. Sam F. Seeley '28MD, formerly chief consultant in surgery to the U.S. Army in Europe, has assumed command of the 1,000-bed Valley Forge Army hospital. His 30-year career in military medicine includes four tours of duty in Washington, D.C., and tours in both the Pacific and European Theaters of Operation. Brig. Gen. Seeley is a Fellow of the American College of Surgeons, and a member of American Medical Ass'n., American Ass'n. for Surgical Trauma,

American Ass'n. for the Advancement of Science and Alumni Ass'n. of Mayo Foundation.

'31

Frederick M. Spuhler '29-31, has been promoted from assistant manager of air freight to director of passenger sales for TWA.

Dr. Joseph B. Gaida '31MD, former director of the Alumni Association of the University Medical School, was inducted this fall into the International College of Surgeons

William D. McIlvaine, Jr. '31MSEE, '33BAUC recently accepted a position as assistant to the dean of the college of engineering at the University of Michigan. He formerly was director of engineering and placement at the University of Alabama.

'37

Dr. Max A. Lauffer '37PhD, a member of the University of Pittsburgh faculty since 1944 and more recently head of the school's department of biophysics, recently was named the first dean of the university's newly created division of the natural sciences. Before going to Pittsburgh, Dr. Lauffer taught at the University of Minnesota and for seven years was associated with the Rockefeller Institute for Medical Research.

Richard T. Baseler '37BAE recently was appointed to one of the top engineering positions at Pratt & Whitney Aircraft, East Hartford, Conn. He will serve as development engineer for the company's J-57 gas-turbine engine program. Baseler has been with the company for 19 years.



Richard T. Baseler

'38

Lt. Col. Arthur H. Adams '38BAA, a former Minnesota Marine air reservist, returned to Minneapolis this summer to become commander of the marine air reserve training detachment at Wold-Chamberlain naval air station. Adams, who served in the Pacific during World War II and in Korea during 1952-3, received the distinguished flying cross with five gold stars and the air medal with 16 gold stars. Before coming to Minneapolis he headed the aviation program section of the plans and readiness branch, division of aviation, marine corps headquarters.

NORTHROP DUPLICATES HUMAN EAR

For use in its
Guided Missile Programs

(HAWTHORNE, CALIF.) Scientists at Northrop Aircraft have duplicated the balance mechanism of the human ear in perfecting a highly effective "brain" unit for use in Northrop's advanced guided missile programs. Weighing little more

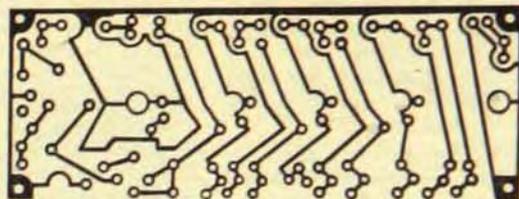


than an ounce, it resembles the convolutions of the inner ear in shape. Northrop engineers say the new instrument is so sensitive that if installed at the top of the Washington Monument it could detect the vibrations created by the footsteps of a small child entering the door at the base of the edifice.

The instrument consists of twin tubes of glass joined at the bottom by two smaller glass tubes. An electrolytic solution, precisely injected by a hypodermic needle, covers tungsten electrodes after they are fused into the glass. These are connected to an AC Wheatstone bridge circuit.

Scientists describe this sensitive device as a manometer accelerometer. In lay terms it is known as a "flying plumb bob," because it can continuously report to the complex automatic guidance "brain" of a missile even the slightest course deviation. It can also be used as an accurate vertical-sensing device in military weapons and for automatic precision leveling in survey operations. It also has potential use in preparing seismographs of earth movements.

At Northrop Aircraft, advanced projects such as this are a constant challenge to the electrical engineer's ingenuity and skill. Here, far-seeing planning has won for Northrop the distinction of being a pioneer in many fields of advanced engineering that relate to the development of supersonic aircraft and missiles.



ELECTRICAL ENGINEERS

If you have had engineering experience in any of the categories shown below, Northrop Aircraft has an attractive position for you, with many benefits. Important among them are high compensation, challenging assignments, steady advancement, recognition of initiative and ability, and continued interest in your progress. Many outstanding engineering positions are offered, as follows:

ELECTRICAL GROUP, which is responsible for the design of such things as power generation and distribution systems, rectifiers and power converters, and auxiliary systems as applied to manned aircraft, guided missiles and ground support equipment.

COMMUNICATIONS AND NAVIGATION GROUP, which is responsible for the design of C/N systems in manned aircraft and installation of guidance systems in missiles.

FIRE CONTROL RADAR GROUP, which is responsible for the installation and application of the most advanced type of fire control systems in fighter-interceptor aircraft. The work covers the installation of the equipment and associated wiring; continuing liaison with equipment manufacturers; preparation of system analysis and reports; and follow-up of system performance in the field as aircraft become operational.

INSTRUMENT GROUP, which is responsible for the design of instrument systems for manned aircraft and the installation of flight test instrumentation for guided missiles.

There are also opportunities for draftsmen with either electrical or mechanical experience.

At Northrop Aircraft you will be with a company that has pioneered for seventeen years in missile research and development. Here you can apply your skill and ability on top level projects such as Northrop's new supersonic trainer airplane, Snark SM-62 intercontinental missile, and constantly new projects. And you'll be located in Northrop's soon to be completed multi-million-dollar engineering and science building, today's finest in comfortable surroundings and newest scientific equipment.

If you qualify for any of these representative positions, we invite you to contact the Manager of Engineering Industrial Relations, Northrop Aircraft, Inc., Oregon 8-9111, Extension 1893, or write to: 1015 East Broadway, Department 4600, Hawthorne, California.



NORTHROP

NORTHROP AIRCRAFT, INC., HAWTHORNE, CALIFORNIA

Producers of Scorpion F-89 Interceptors and Snark SM-62 Intercontinental Missiles

'38

Lt. Col. Holton E. Blomgren '38BA graduated this June from the Command and General Staff College at Fort Leavenworth, Kan., marking his completion of a ten-month course at the Army's senior tactical school.

Ted Brissman '38BAE, a captain on the championship Minnesota baseball team of 1935, is employed by the National Tube division of the United States Steel Corp., New York.

'40

Dr. Lester Guttman '40BCE, from 1946-55 a member of the faculty at the University of Chicago, recently was appointed a member of the scientific staff at the General Electric Research laboratory.

'41

Dr. James L. Jensen '41PhD recently was appointed a member of Nutrena Mills, Inc., General Office Staff. He was formerly sales manager of the company's Omaha division.

R. Vance Presthus '41MA, former instructor at Michigan State University and co-author of "Five Years of British Labour" and "Public Administration," was recently named associate professor of public administration in Cornell Univer-

Dr. David V. Erdman, former associate professor of English at the University, recently was named editor of publications for the New York public library.

ity's graduate school of business and public administration. In 1954-55 Prof. Presthus was research director of the United Nations Institute of Public Administration in Ankara, Turkey. He also did a year's research in England under grants from the Social Science Research Council and the Haynes Foundation.

'42

Carl W. Magnuson '42BSMechE, who formerly held positions with Goodyear Tire & Rubber Co., Akron, Ohio, and National Tube Division of United States Steel Corp., Amherst, Ohio, recently joined Nekoosa-Edwards Paper Co., Port Edwards, Wis.

'43

Paul C. Constant '43BEE received the Master of Arts degree from the University of Kansas at the University's June commencement.

'44

Robert L. Meuleners '44BChE recently was appointed director of technical service of the research and development department of American Oil Co.

'46

Dr. Peter P. Noznick '46PhD, formerly chief chemist of the Research Department of Beatrice Foods Co., Chicago, recently was named director of that department. While at the University, Dr. Noznick held a Hormel Fellowship and a Fellowship with the Quartermaster Corps.

'47

Dr. Carl E. Ekberg '47MA, formerly an instructor at the University and assistant professor of civil engineering at North Dakota College, has been named associate professor of civil engineering at Lehigh University. Dr. Ekberg joined the Lehigh staff in 1953 as assistant professor.

Speech Teacher Heads State School Board

John Bystrom, 35, '48MA was elected president of the state board of education. He was appointed to the board last year by Gov. Freeman.

Bystrom is on leave from his post as speech instructor at the University of Minnesota. He succeeds the late J. S. Siewert, Bingham Lake, as board president. Siewert was killed in an automobile accident Oct. 7.

'48

Prof. Leonard A. Caners '48MA, a faculty member of St. Michael's college, Winooski, Vt., received his Doctor of Philosophy degree this June from the University of Ottawa.

'49

William Dolman Kendall '49BA received a master of Education degree last spring from the University of Arizona, Tucson.

'50

Douglas R. Anderson '50MA recently received the doctor of philosophy degree from the California Institute of Technology.

'53

Army 1st Lt. John R. Anderson '53BSEd, received the Commendation Ribbon from Maj. Gen. Rinaldo Van Brunt, commander of the 4th Infantry Division in Germany. Anderson distinguished himself while serving in the division's logistics section from October 1955 to June 1956.

'55

First Lt. Bruce O. Berg '55MD recently completed a one-year medical internship at Fitzsimons Army hospital, Denver.

Alma Mater Ad Firm



Four former University of Minnesota students congratulated a fifth, John T. Foley '36BA (seated), editor of the 1936 Gopher, at a surprise party on the occasion of his twentieth anniversary with the Minneapolis advertising firm of Olmsted & Foley. The others, all partners in the company, include (left to right) George C. Hellickson '27BA, Ward H. Olmsted '18BA, Ward W. Olmsted (non-grad) and John K. Mortland '24LLB.

Grads on Mission to Orient, Congo

Identical twins and a husband and wife, all four graduates of the University of Minnesota, have journeyed to Southeast Asia and into Africa's Belgian Congo to serve as missionaries for the Methodist Church.

Just beginning their missionary careers are identical twins, Thomas and Richard Johnson, both industrial engineering graduates of 1956. The Methodist Church board says that it has no record of any identical twins ever before offering their services jointly in any Methodist mission.

The brothers, who have turned down many more lucrative job offers, have been interested since boyhood in the life of their local Methodist church.

"Our purpose in going to the mission field for three years arises from a sense of obligation to our church," they said. "This is the way we can give our lives for three years in places where our talents and education can be used to serve."

Both men are serving as special-term missionaries. Tom is assigned to Sumatra and Dick to Malaya. They are teaching in mission schools, primarily industrial trades and technical subjects.

The twins were track lettermen at Minnesota as well as cross coun-



The Johnson Twins

try runners. Born in Alexandria, Minn., they spent most of their boyhood in Owatonna.

While Thomas and Richard are just beginning their missionary service, Rev. and Mrs. Wallace Henk are nearing completion of theirs. Rev. Henk '46BSED and Mrs. Henk '45BSED will return to the United States next spring after six years of missionary work in the Belgian Congo.

After a year's training in Belgium, Mr. and Mrs. Henk arrived in Sandoa, mission station in Southern Belgian Congo. There they have been teaching in the Pedagogy school. Their students are boys and girls who will teach in the primary schools of the Congo.

The Henks, who have four children (three of whom have not yet seen the United States) are supported by the Asbury Methodist church, Minneapolis.

Dr. W. Maloney Goes To Virginia Jan. 1 As Med School Dean

Dr. William F. Maloney, 37, assistant dean of the University of Minnesota college of medical sciences, has been named dean of medicine at the Medical College of Virginia in Richmond.

He will assume the Virginia deanship Jan. 1, 1957. He has been the Minnesota assistant medical dean since April, 1953.

Father of three, Dr. Maloney received a bachelor of business administration degree in 1941 from Minnesota and then changed his career to medical work.

He received a bachelor of science degree from Minnesota in 1943 and a doctor of medicine in 1946. At Minnesota he has specialized in internal medicine.

Grads Represent U at Ceremonies Around the Nation

Minnesota alumni recently represented the University at several college inauguration ceremonies around the nation.

Dr. Royal B. Embree, Jr. '47PhD, University of Texas, was the University's official representative at ceremonies at Huston-Tillotson college, Austin, Texas.

Joseph H. Collins '35MA attended ceremonies this summer at the Central Baptist Theological Seminary, Kansas City, Kansas.

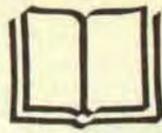
Present at Culver-Stockton college, Canton, Mo., was Dr. Charles E. Lively '31PhD.

Leo Albert Temmey '15LLB, represented the U at ceremonies at Northern State Teachers college, Aberdeen, So. Dak.

And this month Dr. William F. Maloney '46MD, assistant dean of the University Medical School, will represent the U at the Medical College of Virginia, Richmond.



Rev. and Mrs. Wallace Henk and family



Books

The Man in the Name: Essays on the Experience of Poetry, by Leonard Unger, University of Minnesota Press, 1956. \$4.00.

In the seven essays that make up this volume, the author's approach is to clarify his subject (whether poem, idea, or critical practice) by combining close analysis with the fitting of the subject into a larger and appropriate context.

The subjects include a Shakespeare play, the poetry of Donne, Marvell, Keats, and Eliot, and some problems of literary criticism. In the essay, "Laforgue, Conrad, and T. S. Eliot," Mr. Unger shows the major influence of Conrad's fiction on Eliot and, at the same time, contributes new thought to the body of Conrad criticism.

The essay, "Donne's Poetry and Modern Criticism," previously appeared as a book (now out of print), and a sequel is provided in the essay, "Fusion and Experience."

Mr. Unger is the author of the book, *T. S. Eliot: A Selected Critique*, and co-author of *Poems for Study*. He is a professor of English at the University of Minnesota.

The Refugee and the World Community, by John G. Stoessinger, University of Minnesota Press, 1956. \$4.50.

The international refugee of today presents a problem unprecedented in history: he faces expulsion from civilization through the network of immigration restrictions imposed by the sovereign states which control the world.

Mr. Stoessinger considers this crisis of our time, examining the ways in which the international community has responded to it. He describes the refugee work of the League of Nations and of the International Refugee Organization,

and the situation since the end of the IRO. He views and discusses the problems in terms of political science, sociology, economics, history, and social psychology.

Now a professor of government at Babson Institute, the author has been a refugee himself, from both the Nazi and the Communist forms of totalitarianism, and he has worked with refugees in the China office of the IRO at Shanghai.

From Evidence To Proof, by Marshall Houts '41BS LLB, Charles C. Thomas, Springfield, 1956.

This work is an extensive summary of the limitations and wonders of science and man relative to legal investigations. Police officers, private investigators, lawyers and judges will find personal use of this book of great assistance to them in their work.

The author discusses methods and problems of establishing fact ranging through the eye-witness, narco-analysis, photography, fingerprints, confessions, hypnosis, blood grouping, spectrographs and spectrophotometers, the expert witness generally, and blood alcohol tests. Mr. Houts covers more than two dozen such methods or problems.

The book furnishes investigative leads rather than being an all-inclusive treatment of each subject covered. It gives the reader the high spots or rules of thumb concerning what and how to look for facts with the methods discussed, and points out the pitfalls.

The reader can easily orientate himself to his subject and then go to more detailed and technical works which thoroughly cover a particular investigative method.

— C. Paul Jones '50BBA LLB
1st Ass't to Hennepin
County Attorney

Community Education in World Affairs, by William C. Rogers.

University of Minnesota Press, 1956. Single copies, \$1.25. Five or more copies, \$.75 each plus postage.

Community leaders who want to do something constructive about international relations will find the help they need in this booklet. It tells how to organize groups for education and action in world affairs, how to obtain speakers, how to conduct discussion groups, where to get pamphlet materials and films, and how to publicize and finance the activities of such organizations.

The information is specific and up-to-date, making this a practical, how-to-do-it manual.

Mr. Rogers is director of the Minnesota World Affairs Center at the University of Minnesota and is also director of the program of information on world affairs sponsored by *The Minneapolis Star*.

When Prophecy Fails, by Leon Festinger, Henry W. Riecken and Stanley Schachter; University of Minnesota Press, 1956. \$4.00.

What happens to a group of believers when the violent destruction of the world which they have predicted fails to occur? An answer to this question is provided in this account of a modern band who not long ago publicly predicted the coming of a second world Flood.

The authors, all social scientists, observed the group, its members, and its practices in careful detail. Their report provides a fascinating record of how firmly belief persists even after the invalidation of a prophecy.

The study was conducted under the auspices of the Social Science Research Center of the University of Minnesota.

GOPHER GRAD

Deaths

Arthur W. Selover '97LLM, former Hennepin County district judge, in Minneapolis this August. Mr. Selover, formerly a Minneapolis alderman and president of the city council, was associate dean and vice president of the Minnesota College of Law for more than 20 years. He was author of several law textbooks.

Dr. Walter C. Huestis '03DDS, dentist in Minneapolis for 53 years, in Mound, Minn., this fall. Dr. Huestis was honored by the University dental school on the 50th anniversary of his graduation.

Frederic D. Calhoun '07BA, instructor at the Minneapolis School of Art 25 years, in Minneapolis this fall. Mr. Calhoun was graduated Phi Beta Kappa from the University and studied at Minneapolis School of Art and Art Students league in New York. Head of the interior design department of the Minneapolis School of Art when he retired in 1950, he had exhibited paintings in Twin Cities art shows.

Paul D. Stratton '08LLB, practicing attorney at Granite Falls, Minn., for 48 years, in Granite Falls this September. Mr. Stratton was County Attorney for Yellow Medicine County and also Granite Falls City Attorney for a number of years.

Dr. Lyman R. Critchfield '09MD, St. Paul pediatrician and formerly associate professor of pediatrics at the University medical school, in St. Paul this fall. Dr. Critchfield was in general practice in North Dakota before coming to St. Paul 30 years ago. He was a member of the governor's advisory council on mental health and a member of the American Academy of Pediatrics.

H. Arthur Westmark '09FS, 65, manual arts instructor at Blake School in Hopkins, in Hopkins this summer.

Mrs. Leila Witchie Harding '10BA, former actress and long active in politics, in Minneapolis this October. For 22 years Mrs. Harding headed the women's division of the state employment security service.

Dr. John H. Parker '13BSAg, widely known plant breeding authority, in Milwaukee this fall. Dr. Parker was a professor of plant breeding at Kansas State college from 1917 to 1938. At the time of his death he was director of the Maltling Barley Improvement association, Milwaukee.

Benjamin Picha '16BSAg, of New Prague, Minn.

Alma C. Haupt '19GN, winner in 1951 of the University's "distinguished service award," this year. Miss Haupt was director of nursing for Metropolitan Life Insurance Co. from 1935 until her retirement in 1953. Memorial gifts received after her death made possible the formation of a scholarship fund for the education of nurses under auspices of the National League for Nursing.

Peter T. Reuter '21BSME, manager of the Boston district office of Bailey Meter Co., in Massachusetts this October. He was a member of the American Society of Mechanical Engineers, the National Society of Professional Engineers and the American Society of Executive Engineers.

Dr. Joseph O. Baker '22DDS, past president of St. Paul District Dental Society, in St. Paul this fall after a long illness. Survivors include his wife, a son and a daughter.

Joseph A. Wise, professor of civil engineering at the University, while vacationing at Crosby, Minn., this fall. Mr. Wise taught at the Naval Academy during World War II and later worked on atomic weapons at Princeton University. Survivors include his wife, three daughters and a son.

William H. Kirchner '38PhD, professor emeritus of the University's Institute of Technology, in Athens, Ohio, in October. Prof. Kirchner, who headed the department of drawing and descriptive geometry in the engineering college at the time of his retirement in 1937, was co-author of a textbook on descriptive geometry.

Lt. (jg) Emery Jay Rinzel '52BBA, on active duty in the Navy since 1953, when the jet plane he was piloting crashed at Miramar air station near San Diego, Calif., this fall. Lt. Rinzel was a member of the Union Board of Governors. Survivors include his mother, his wife, two daughters and a son.

Mrs. Meta Davis, 82, matron of Phi Epsilon sorority at the University for 30 years, in Minneapolis this fall.

Rebecca Jorgenson, freshman at the University, from injuries received when she was struck by a car near the Minneapolis campus this November.

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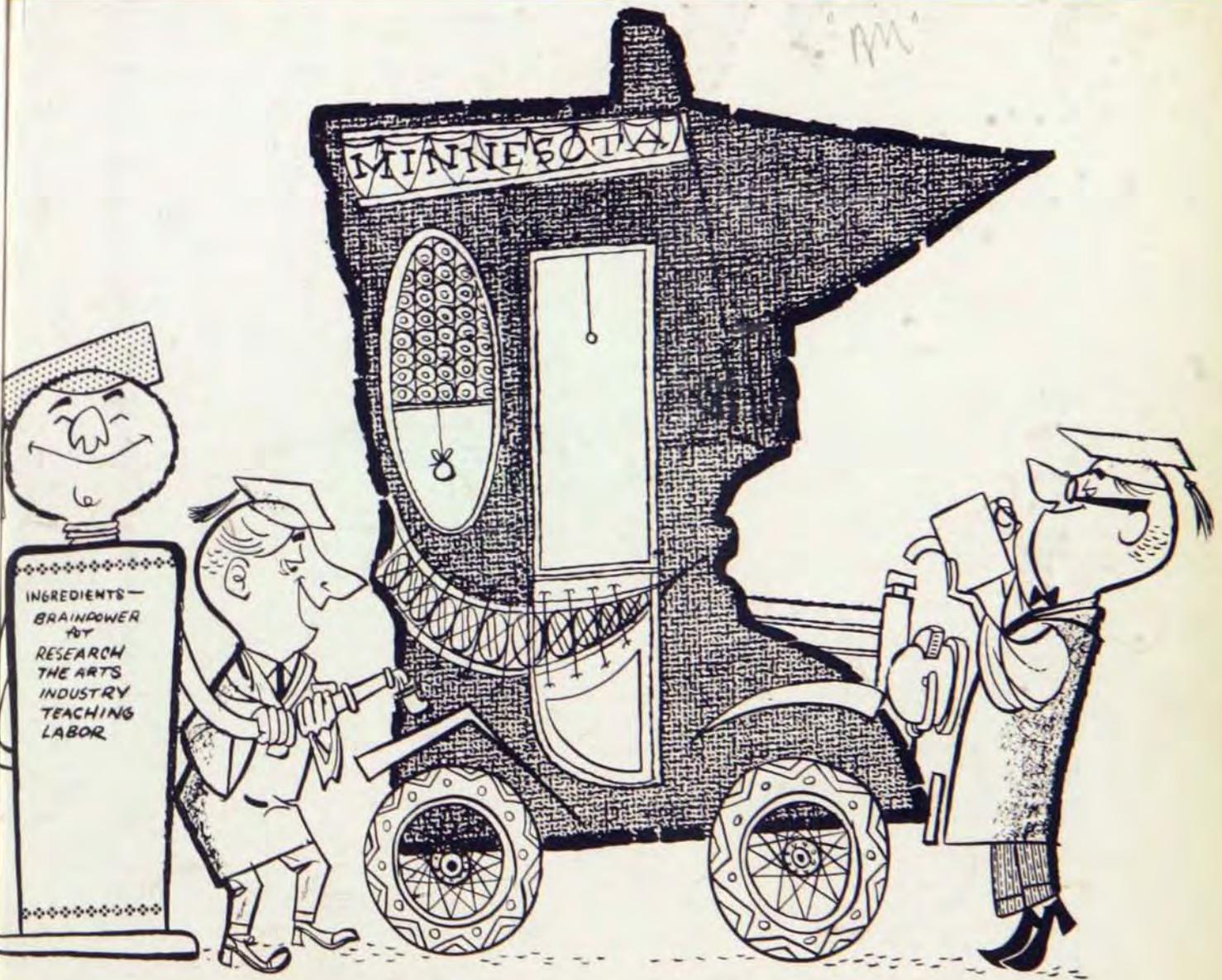
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GOPHER GRAD

JANUARY 1957

GOPHER GRAD

(Our 56th Year)

Continuing the Minnesota Alumni Weekly which was established in 1901, and the Minnesota Alumni Voice. Published monthly from October through June by the Minnesota Alumni Association, 205 Coffman Union, University of Minnesota, Minneapolis 14. Member of the American Alumni Council.

Vol. 56 JANUARY, 1957 No. 4

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In This Issue

	Page
THE CAT'S WHISKERS.....	4
CAMPUS 1970.....	5
EDUCATION BENEFITS ALL.....	8
MAKE WAY FOR CHILDREN.....	10
MASTERS OF MAKE BELIEVE.....	11
CAMPUS WINDOW.....	18
THE FLEET GO FORWARD.....	27

NEWS SECTION

Association-Clubs.....	20	Sports.....	27
On the Campus.....	23	Alumni.....	31

DEPARTMENTS

Back Talk.....	3	Summa Cum Laude.....	14
Editorial.....	17	Books.....	30

Picture Story

Cartoonist Harry Wirkkunen's order was to show the University and its graduates' importance to the state in one picture. He had ample background for the assignment since he had illustrated each of the three



articles on the University expansion series, *Campus 1970*, (the last of which appears on p. 5). He started his project by going back through the series and ended his research by talking to various departments. Thus he came up naming everything from atoms to apples to taconite to heart surgery. His final result might be just entitled, "The University graduate - a service to the state."

Views of authors appearing in Gopher Grad in no way reflect the opinions of the MAA or the Gopher Grad.

Back Talk

More on Hungary

Editor:

May I express my gratitude to Gopher Grad for printing the petition which students sent to the U.N. on behalf of Hungarian patriots, and thus acquainting its readers with the beginning of activities for freedom-seeking patriots.

Our student-faculty petition was answered by Henry Cabot Lodge, American delegate in the U.N., who thanked the students and faculty for the expression of support and said he would do everything in his power to help keep the cause before the U.N.

After the letter, it seemed the University's support of the patriots had come to an end. Then, rather surprisingly to some of us, big cardboard boxes marked "Clothing for the displaced University" appeared in the buildings. Students organizations began collecting money for the University of Sopron, one of the most active student bodies in the revolution and now a unit in exile in Austria.

Almost immediately, the Sopron students sent a cablegram telling how deeply moved they were by Minnesota's gesture.

The *Minnesota Daily* notified its readers of a campus drive for the collection of money (sponsored by the International Relations Club), and a drive for the collection of clothing (sponsored by the Student Council of Religion). Both drives have been endorsed by the Inter-dormitory Council, All-University Congress, Union Board of Governors, and Panhellenic Council. The ultimate goal is to adopt the whole of the Sopron University, some 600 students and faculty who have escaped to Austria.

The first two days brought more than \$500.00 into the collection center at the University. The sum, at the time this letter is written, has reached over \$1,100.00. As to clothing, the University YMCA (which

is the center of the drive) is "heaped all over." This is not even a half of all clothing that has been donated; collection boxes in religious foundations and Greek houses have not been touched yet. More clothing is expected in view, for the final examinations do not last forever, and more students will find time to clean their closets.

A site for the Sopron University has been found in southwestern Minnesota, in Pipestone, at the place of a vacant Indian training school. However, no invitation will be sent to Hungarian students as yet, according to Fred J. Hughes, chairman of the Minnesota Hungarian Emergency Committee. He added that more definite word has to be received from our government as to whether or not it is feasible to expect funds to operate this facility as a university.

Recently the president of the Sopron student body, Istvan Lazslo, visited the campus on his tour of the U.S. colleges and universities to ask for more support for the Hungarian cause. Lazslo spoke in the Northrop Memorial Auditorium. The tour is sponsored by United States National Student Ass'n.

Indeed it is both gratifying and encouraging to see such a drive at our University. It shows that the charge that "American students are the most apathetic in the world" is not completely true. Here we see that the American student realizes his position in the turmoil of the current events, and is willing to participate in the freedom of others because he realizes that freedom is a most valuable possession.

George A. Olkhovsky '56BA

Short and Sweet

Editor:

We were glad to have your recent letter, indicating that Lee Galloway is still a life member of the

Minnesota Alumni Association although he joined 'way back between 1903 and 1920 when a life membership did not include the subscription of the Gopher Grad.

We wish, of course, to get the Gopher Grad regularly so here is our check and—best wishes.

Lee (and Hetty) Galloway '96BS
Winter Park, Florida

Words of Wisdom . . .

Editor:

In a recent alumni publication of Princeton, some valuable points were made to parents who wish to help their children become successful students in college.

Perhaps some alumnus will find some of these points helpful:

First, see your freshman's faculty adviser. Parents can tell an advisor a great deal to help the counselor in his understanding and guidance of the student.

Second, before your young student leaves home, make an effort to discuss the problems which may come up in college so that the student will not be taken unawares.

Third, parents should refrain from heaping pious platitudes on the heads of the youngsters when they come home for vacations. Too often, Dads particularly, are inordinately ambitious for their sons and project all their own dreams of success and fears of failure onto the next generation.

Above all, let your youngster choose his own vocation. He's the one who has to make a go of it and then—to live with it.

Carl Gewalt '21BS

And Eastern Sentiments

Editor:

It was good to hear that the class of '24 ranked third in paid-up memberships to the alumni club.

Elsie L. Greenfield '24BA

*Because Mr. Hanson helped better
nine young lives, he ranks as
the U dad who is —*

The Cat's Whiskers

A retired 73-year-old Minnesota farmer with a passion for education holds the University record of being the dad with the most alumni in his family — nine in all.

For this distinction and the perseverance it represents, E. W. Hanson was honored at the recent Dads' Day ceremonies. He left his wheel chair at his home in Wheaton in order to attend, rooted lustily at the football game and, only occasionally, took the helping hand offered by his son-in-law, Dr. Gordon Swanson, '42BS, '47MS, '54PhD.

The soft-spoken Mr. Hanson began sending his nine children on the 185-mile trip to the University in 1929. Thereafter, for 23 years, some member of his family was always mailing in the laundry or coming in to enjoy the after-exam stretch at Christmas.



E. W. Hanson, left, with his son-in-law, Dr. Gordon Swanson, right, and MAA ExSec'y Ed Haislet at the fall Dads' Day luncheon in Coffman union. Haislet, whose daughter begins school next fall quarter, is in his eight year as organizer of the Dads' celebration.

For troubles, triumphs and commencements, Mr. Hanson (whose wife died during the year that the first son entered school) acted as both father and mother. Whenever he was not around, his older children substituted for him and, in fact, each aided the other to finish the University. In order to help around the house and to help himself financially, each stayed out of school for at least one year after high school graduation.

An avid football fan, Mr. Hanson has seen a minimum of one game a year since his children entered the University. Illness last year prevented him from his tenth consecutive Dads' Day luncheon.

The Hanson alumni, all nine of whom graduated from the Institute of Agriculture on the St. Paul campus, are:

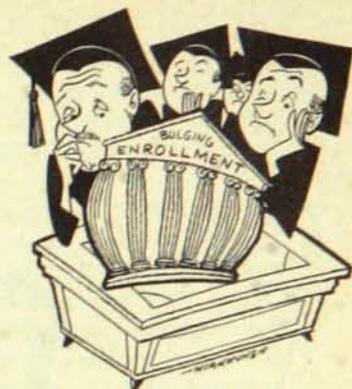
Earl '33BS '39MS, '42PhD, professor of plant pathology at the University of Wisconsin; Lester '36BS, chairman of animal husbandry at University farm; Lloyd '39BS, in the insurance business in Minneapolis; Carleton '39BS, in the federal grain laboratory in Minneapolis;

A. Donald '40BS, regional supervisor in Farmer's Security at Morris; Melvin '42BS '50DDS, a dentist in Redwood City, California; Dorothy '43BS (Home Ec.), now Mrs. Gordon Swanson of St. Paul; Kenneth '48BS '51MS '52PhD, professor of horticulture at Geneva, New York, (a branch of Cornell); Helen '46BS (Home Ec.), now Mrs. Glenn Stenberg of Willoughby (a suburb of Cleveland), Ohio.

The two girls belonged to the Gamma Omicron Beta and Kenneth belonged to the Alpha Gamma Rho. All the others were members of the Farm House Fraternity.

During World War II, three Hanson sons were in the service as officers. Carleton and Melvin were in the navy and A. Donald was in the army.

*Part III - Who will be the teachers
of 47,000 hopefuls who expect
1957 tradition from the*



CAMPUS 1970

Jo Anne Green '57

The campus of tomorrow will be a busy metropolis. Its heart will be crowded with buildings, tall and long, new and old, wherever the eye can see. Its suburbs - Duluth at the head of the lakes, to Waseca in the south - will be big and ever-growing larger. There will be new modern housing developments and possibly a vast new athletic stadium. Forty-seven thousand students will be part of this city.

But this city of brick, stone and glass must have something else. Within the concrete walls, there must be the academic and intellectual process; ideas and knowledge must be born, for these are the very reason and justification for this city's existence. Without them, it would be an empty shell inhabited by an aimless population which, at best, could only hope for a great cultural tradition to rub off on its occupants.

We are facing an acute teacher shortage, the seriousness of which is difficult to believe. In addition to rising enrollments, the increasing number of graduate students and longer periods of professional undergraduate study are creating additional pressure for more teachers, since the higher levels of study require more teachers than the freshmen and sophomore level.

Presently, the national ratio of students to teachers is 13 to one, approximately the same as the University's. If we are to keep this same ratio at Minnesota

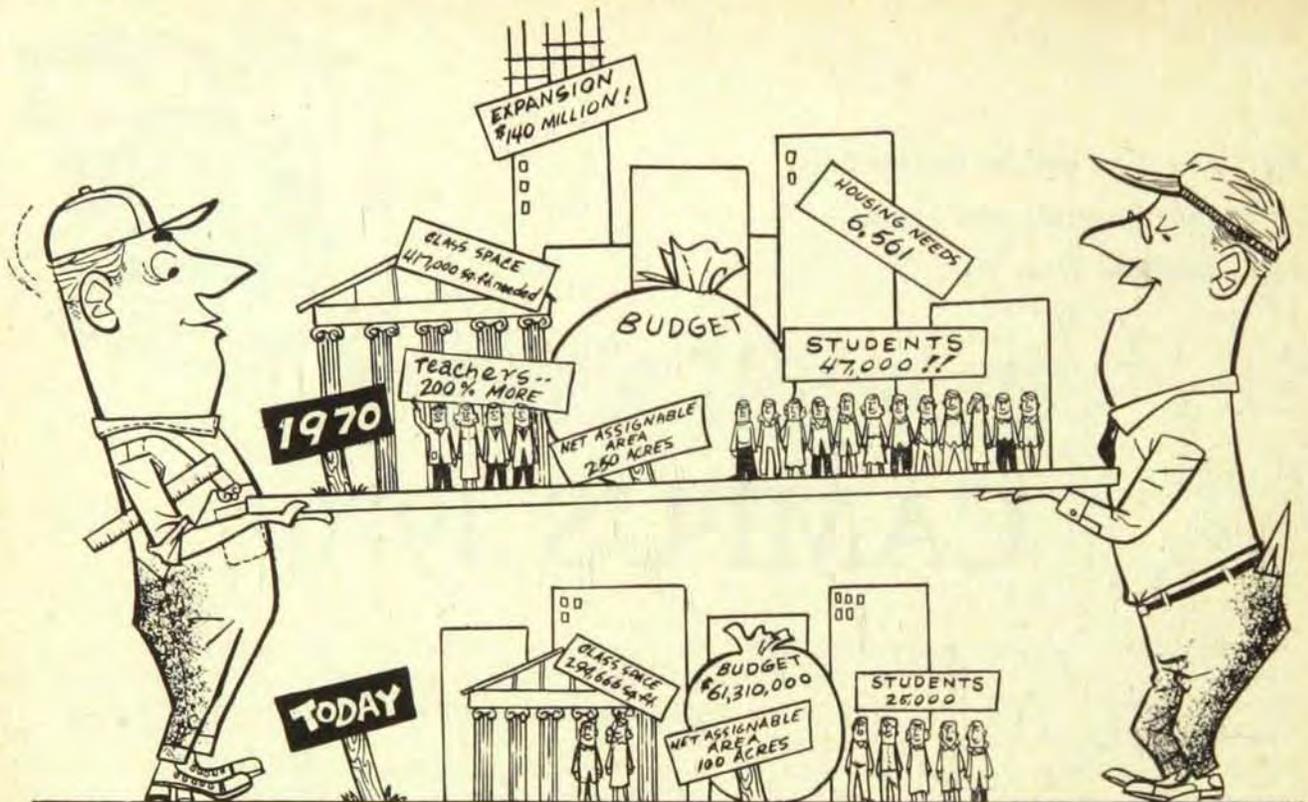
then, by 1970, we will have to employ two teachers for every one we now have.

The fact is, if we were to hire every student who receives a PhD from the U each year, we would still not have enough teachers by 1970. And we are fooling ourselves to think this is possible. Less than 50 percent of the PhD's now enter teaching. This percentage will drop if teachers' salaries do not go up, for government and industry have increasing need of these fine minds and are willing to pay for them.

"Men and women choose teaching careers because they want to teach, and not because of monetary returns," said Professor C. Gilbert Wrenn, chairman of the Senate Committee on Education. "Therefore, they will accept a certain gap between salaries of industry and education. But when the gap becomes so big as to be a sacrifice, they will give up teaching."

Industry isn't the University's only competition for trained personnel. The salary average of Minnesota's academic staff is below the average of its neighboring universities. Minnesota not only stands a chance of failing to employ enough new teachers, but also of losing some of the best people it now has.

The situation is far from encouraging. The Senate Committee on education is attempting to find some solutions. Right now there are subcommittees at work



THE OLD ORDER CHANGETH

and, by 1970, the University will be king-size in comparison to today. (Note that 1970 housing needs above are those estimated in addition to what would be normal expansion.)

trying to discover to what extent visual aids, classroom TV and curricula changes can help alleviate the need for teachers.

Among American educators, it has become almost a cliché to say that educational television offers the greatest opportunity since the invention of the printing press. What is meant, of course, is that just as movable type of the printing press permitted the wholesale diffusion of knowledge previously limited to a few manuscripts, just so does television permit wholesale projection of ideas to even larger audiences.

While it is true that the imaginative and the daring are experiments in the dark until practice proves them a success, it seems that imagination is almost mandatory if the needs of a swelling student population are to be met.

In education, 1970 – possibly even before – one professor and one demonstration will be attended by hundreds. The classroom atmosphere will be as intimate as your living room; no one will strain to hear, no one will crane to see.

The closed circuit TV represents just one of the new methods the U will be using to give high quality education to the 47,000 students at the University by 1970.

Some of the possibilities of classroom TV have already been mentioned in this series. Lab demonstration, straight lectures can often be transmitted effec-

tively through closed-circuit TV. Use of TV in surgery demonstrations has received approval by medical professors.

The University is pioneering in uses of classroom TV just as in the late twenties and early thirties it pioneered in use of large classrooms. Educators will probably find experiments with TV as valuable as their experiments with large classrooms. Curricula changes would include cutting down the number of class hours, allowing for more independent work by students. However, these aids can be used only so far before much of the valuable exchange of classroom lecture-discussion is lost.

As helpful as these aids will be, the big problem

Next Month

Gopher Grad will present an illustrated article on the plans and hopes of the athletic department to meet future increases in enrollment by preparing for more and better seats in Memorial stadium, having available more land on the main campus for sports fields and off-campus for another course and by having available more indoor space for intramural athletics and recreation.

still remains one of attracting more students into teaching and keeping more teachers in education.

Another subcommittee is now at work in an attempt to determine what teachers find attractive at the University. No other study of this kind has been done. The study results will help the University expand and keep those features which faculty members value. The committee realizes, as do other persons close to the University, that the teacher shortage must be solved if the University is to retain its greatness.

The teaching unit of the University is the source of the academic process. The greatness of this city of stone and brick depends on the creative, intelligent and fine minds of its faculty. It is this very life blood of the University which is now in jeopardy.

In Minnesota's elementary schools today and in the cribs, are the people who will someday seek University admittance. If their opportunity for a fine education in a great institution is not to be denied, the University will have to solve three big problems: those of more buildings, more land and more teachers. The ways and means by which the University can meet this crisis are being studied now. But in the final analysis, more dollars from the people of this State is necessary for the successful meeting of the crisis.

The University will ask the legislature, meeting this month, for an increase of roughly \$4,000,000 over its last two year's request. Included in the request are salary increases to provide for 283 new faculty positions and faculty salary increases of 15 percent for the first year and 5 percent the second year. President Morrill pointed out that neighboring universities, already 5.7 percent ahead of the U in average salary of their academic staffs, are asking their legislatures for increases that average 18.3 percent of their academic payrolls.

While the legislative request of the University is up \$4,178,450, the whole budget is up a total of \$12,506,482. The \$8,328,032 difference will come from increased University income, to be provided in part by higher student tuitions (a raise of \$5 per quarter) and iron ore tax income.

The increased University request is an indication of future University expenses. Last year the University spent a total of \$61,305,615, representing an increase of nearly \$9,000,000 from the previous year. Roughly 40 percent of U income for this year came from the State. The University is big business, and the people of this state are its major stockholder.

Like any stockholders in any business, the people have a right to question the value of their shares. It is not so easy to measure the value of University returns. The benefits of the taconite industry, medical and agricultural advances, for example, are not easily put into figures. And even more difficult to translate into figures are the benefits received from an educated son and daughter—from an educated society. But surely these returns must overwhelm those from money invested in tobacco and liquor, on which a greater percentage of the national income is spent than on education.

Maintenance Request Readied

University Regents will call on the 1957 State Legislature for a general maintenance appropriation of \$17,050,761 for the fiscal year 1957-58 and \$18,884,689 for 1958-59.

Total request for the two-year period, \$35,935,450, amounts to 56.7 per cent of the \$63,329,636 needed to carry on the University's regular program of teaching, non-sponsored research and public service from July 1, 1957 to June 30, 1959, the University president reported.

The program for the two-year period provides: 283 new faculty positions; some civil service salary increases and staff additions; funds to meet price increases and to permit adequate physical plant upkeep.

Faced with estimated enrollments of 27,450 in 1957-58 and 29,000 in 1958-59, the Regents have worked out a budget for general operation amounting to \$30,539,042 for the fiscal year (July 1-June 30) 1957-58 and \$32,790,594 for 1958-59.

President Morrill pointed out that the use of the University's share of the State's occupational iron ore tax for general University support has enabled the Regents to reduce their 1957-59 maintenance request by \$2,865,604 per year.

To meet rising enrollments, the University needs 283 additional faculty members during the next two years, President Morrill reported.

Increased cost of this teaching staff is \$1,290,390 in 1957-58 and an additional \$688,758 in 1958-59.

In a move to retain present members of the faculty and to attract newcomers, the Regents will ask for \$1,820,373 for academic staff salary adjustments and promotions for 1957-58. For 1958-59, the Regents will request an additional-payroll boost of \$762,329.

Because many of the University's civil service positions are directly related to student enrollment, the Regents will ask the Legislature for an increase of \$582,552 for additional staff to meet enrollment demands in 1957-58. Another \$297,200 increase will be asked for 1958-59.

For additional physical plant employees for new University buildings, the Regents will seek an appropriation increase of \$39,960 for 1957-58 and another step-up of \$25,040 the following year.

The usual merit increase required by University civil service schedules within the various salary ranges will necessitate an additional \$247,001 in 1957-58 and another \$296,829 the next year.

In the Regents' request are increases for University supplies, expense and equipment of \$632,603 for 1957-58 over this year and \$181,396 for 1958-59 over 1957-58.

*The U should go on admitting
everyone qualified because—*

Education Benefits

All

Dr. William Anderson '13BA

Just about 100 years ago, an important bit of legal language was included in the state constitution. These words in effect guaranteed the charter of the state university and simply said:

"The object of the university shall be to provide the inhabitants of this territory with the means of acquiring a thorough knowledge of the various branches of literature, science and the arts."

The language is broad and without qualifications or restrictions. To provide the means or facilities to help all inhabitants of the state to acquire a *thorough* knowledge of *all* the various branches noted above is indeed a comprehensive and exacting order.

And yet such is the responsibility of the University of Minnesota.

Various presidents of the university have interpreted this responsibility of the University not as an irksome and disagreeable obligation but as presenting a great opportunity.

I would mention in particular Presidents Folwell, Coffman, and Morrill, without in any way disparaging the others. They all recognized the breadth of the scope of the subjects to be taught, of the research to be done, and of the public services to be rendered. While they have all insisted upon the University engaging in teaching, research, and services in all matters that concern the welfare of Minnesota, they have urged also a broader obligation.

Minnesota has developed into a great university of considerable world renown largely by looking also beyond the state, and doing work that is of national and international significance.

This cannot help but bring benefits not only to the

state as a whole but also to all other institutions of higher education within it.

These same presidents have taken the position that while the University must strive for rigor and excellence in teaching and research, so that the ablest students coming here will be able to benefit and will be challenged to do their best work, the University is not for them alone. *It is the University of all the people.*

The various degrees and combinations of ability wrapped up in individual human beings are almost infinitely varied.

Every person of even fair scholarly ability has some potential contribution to make to the welfare of the state, the nation, and the world.

Everyone can benefit to some extent from education and from the training of his abilities.

Everyone is needed in some part of the world's great economy and everyone will do his work better and get more satisfaction out of life for being adequately educated for what he is to do.

Such, I think, is the University's philosophy.

By way of contrast, there is a theory held by many persons that (1) college education should be only for "superior" students, (2) that only these superior students make a "success" of college, and (3) that a combination of high school ranks and of performance on some general test like that of the American College Entrance are conclusive evidence of such superiority, and therefore of ability to benefit from college.

I challenge every part of this theory. I do not think there is any one thing that can be called "success" in college. No two students have the same sort of success in college or elsewhere, and it is almost impossible to determine how much any student benefits from college.

Who is the truly superior student is also undefined, but I think there are many kinds and degrees of superiority. In general "superior is as superior does," and

Dr. William Anderson who, on important occasions, has been cast in the role of faculty spokesman, made these remarks as part of a recent address to the college section of the Minnesota Education Society.

only an actual experience test will determine that. No test prior to entering college can be conclusive.

The University feels the obligation, therefore, to keep its doors open to a wide range of abilities and talents. It feels a responsibility to do the best it can for those who come; and by offering a wide range of courses, subjects, and types of instruction, it endeavors to do the best it can for each one. This requires a great deal of planning, testing, counselling and classifying, but these efforts seem to bear good fruit.

It is noteworthy, too, that the regents, the legislature, and the people of the state in general approve these efforts of the University to suit its educational program broadly to the needs of the state and of the students.

Also notable is the fact that, despite the liberality of its general entrance requirements and the great diversity of its offerings, the University has been able to build up and maintain distinguished professional schools in all the major fields, successful training programs in some of the newer professions, and graduate studies of a high level of distinction in nearly all important fields of learning.

There is currently a great deal of objection to the mixing in the same class of students of all levels of ability from poor through fair, average, and good to excellent. This is supposed to have a highly detrimental effect on the superior students.

In my days in college I never noticed any such effect, nor have I observed it in my many years of teaching. If the teacher sets his assignments and standards high enough so that even the abler students have to work to get good grades, it makes little difference to them that other students in the same class flounder a bit and are unable to make good marks. But this is a long story, involving many considerations, and I do not attempt to give whole argument here.

A major question now confronting the state is how the University and the colleges will meet the rising enrollments that have already begun to appear, and that are going to go much higher before they level off again.

Since a doubling of college and University enrollments in the next fifteen years is not improbable, all institutions need to face their responsibilities with courage, hope, and intelligence.

Of one thing I feel certain. The increased enrollments are to be looked upon not with fear or dismay, but as offering immeasurable opportunities for advancing still higher the level of education in this country.

As a nation we have the resources, ability, and the good will necessary to practically double the percentage of college trained people in the population within a generation. The goal of some higher education for every reasonably competent high school graduate is one worth striving for.

As to the University's proper role in meeting the new demands for higher education, my thoughts are fairly clear. Given its resources and population, Minnesota does not need another university to meet the



Dr. William Anderson

has known each of the eight University presidents since he came to teach political science in 1916. He grew up within the University as an undergraduate and did graduate work in government at Harvard. On the national scene, he was an influential member of President Eisenhower's Commission on Intergovernment Relations. He was chairman of the political science department for 17 years and at present is professor of political science.

challenge. It has no special situation such as Wisconsin faced in Milwaukee and Michigan faced in Detroit that calls for another large institution.

As planned by the founders of the state, Minnesota's university is already in the main population center of the state and Duluth, its principal secondary center (next in size to the Twin Cities), already has a branch of the University.

The University will have to grow considerably in size, especially at its main location in Minneapolis. But of further growth I have no fear. I am not one who takes fright at bigness, as long as there is good organization, good administration, and a constant alertness that leads to study and practical adaptations to meet changing needs. I have seen the University since the days of Northrop, when it was much smaller. I believe it is a better University now, for the students and for the state, than it was forty or fifty years ago.

I believe it can be still more improved.

The University will have to grow, I say, because it and it alone has the responsibility to provide higher education for the citizens of Minnesota generally, in the various branches of literature, science, and the arts. The University would be derelict in its duties if it did not make every reasonable effort to give the best education it can to the thousands of students who have a right to look to it for higher education.

Three U graduates spearhead
drive for better schools
in a national program to —

Make Way For Children

Three University graduates, including a former governor of Nebraska, are among the more than 78 leaders spearheading a drive for better schools throughout the nation.

Robert B. Crosby '31BA, now an attorney in Lincoln and a state political leader whose last term as governor began in 1953, and Mrs. Alice Pederson '27BA of Alford, Mass., and a delegate to the White House education conference, are on the national planning scene.

On the administrative end of the organization known as the National Citizens Council for Better Schools is Miss Gloria Dapper '44BAUC, assistant director whose offices are at the council's headquarters in New York.

The group, formed early this year, has a broad membership of prominent, public-spirited men and women not professionally identified with religion, education, or politics. Mrs. Pederson and Crosby are charter members and are representative of the varied backgrounds and opinions of those united in the Council's purpose: to alert Americans to the continuing crisis in education and to the need for constructive citizen action in their own communities. Initial financing came from the Carnegie Corporation and the Fund for the Advancement of Education.

Crosby, who graduated cum laude from the University and received his LLB from Harvard, serves as member-at-large of the Nebraska Council for Better Schools. During his term of office as governor of Nebraska, he formed the Governor's steering committee

on education to plan a statewide governor's conference. In 1954, when plans were announced for the White House conference, Crosby continued to work for his state committee.

Miss Dapper (who is married to Draper Lewis, radio and TV writer) brought a varied background of writing and public relations to her work with a related commission in 1950. Four years later, she became director of public relations for the commission which eventually became known as the National Citizens Council for Better Schools.

Mrs. Pederson, who taught in Minnesota high schools for four years, is a member of the advisory committee for the council of public schools in her home state of Massachusetts. She, too, worked with her state's planning committee for the Massachusetts conference on education, which preceded the Washington meeting attended by approximately 2,000 educators and informed laymen from every state and territory who faced these facts:

- There are now 37,729,600 boys and girls in elementary and secondary classrooms. There is more than two million in excess of capacity.
- Today, the schools need 141,000 qualified new teachers. In less than a decade, 1,200,000 more teachers will be needed as replacements and to take over expanded enrollments.
- By 1965, another 10,000,000 children will be seeking desks in America's public schools.



Mrs. Alice Pederson



Robert B. Crosby



Gloria Dapper



University Theater Costumer Robert Moulton discusses prospective designs with two of his model-actors.

the costume shop to take a job designing hats for the well-known John Fredericks of New York.

The group sews, moulds, pins or paints about 300 costumes a season. However, Moulton manages to keep the price of an average creation down by using what he calls a "basic" dress made of crepe. By adding a hat or shawl or apron or bonnet, the dress can be made to suit any period.

According to the costumer, almost all clothing used in the productions is made in the University shop. The valuable originals often serve only as models since, because of the inevitable deterioration of age, they would not stand the wear and tear of nightly performances.

He illustrated his point by holding up a filmy lace dressing gown which might have been in a royal trousseau of 1900. It became obvious that one misguided thrust of an arm before a curtain call would probably tear the sleeve from the shoulder.

In the painstaking reconstruction of various costumes, the students use a mass of dime and department store materials which, from a dis-

tance, create most luxurious effects. The diamond from the audience is nothing more than silver dust (or what Moulton calls "flitter") generously sprinkled over an adhesive surface. Baubles, bangles and rings pinned, sewed or perched in a headdress give a shameless resemblance to the most expensive treasures.

A material called "celastic" can be soaked in acetone and moulded into anything from a piece of armor to a bath tub. A cheap cloth splashed with textile paint and littered with silver dust turns into a coronation robe. Other handling of textile paints can create a three-dimensional effect, making the swabbed-on flowers seem to lift themselves right off the cloth and blossom on stage.

To create the effect of gold and silver, the designers call on practical knowledge of chemistry and mix shellac with bronze or aluminum powder. To create the effect of leopard skin, they use an inexpensive black and yellow spotted fabric called "duvateen."

Safety pins for this type of tailor shop are bought by the pound and

thread by the dozens of spools. Hardly anything is ever thrown away because one never knows when a discarded fur collar may be needed for a million dollar touch to the sleeves of a gown. Thus, all the accessories that the shop has ever acquired can probably be found in the tens of boxes that line the walls and, in between boxes, there is a generous sprinkling of loose flowers, feathers, leathers, furs and strings of pearls.

To an outsider, it appears that only a man with a geiger counter could find what he's looking for. A hanging tail of a sari slaps one in the face at the entrance to the outer room but an assistant explains that this shawl draped on an overhead heating pipe is simply too beautiful to put away. Here and there are pieces of breast armor, a goalie's shin pads, one arm of a dress and one leg of a chair.

However, a thorough search of the room reveals the tools of a well-stocked tailoring shop. There's a washing machine, sewing machines, dye tubs, two cutting tables, big and little scissors and a steaming hot pot of coffee.

Ingenuity is the most necessary of all tools that a costumer must have at his disposal. When confronted with the situation of making a fairy's dress, Moulton and his crew settled on a bolt of cheap nylon, hung the material on a 25-foot long wall and sloshed it with textile paint. The nylon was littered with silver dust. Under proper lighting, the total effect gave the impression of being out of this world.

One of the more taxing problems of recent productions was the outfit for the lion in "Androcles and the Lion." The campus tailors finally hit on the solution of cutting short bits of hemp and sewing the pieces to the lion's basic garment. After the garment was dyed lion-color, the crew unwound each of the threads, thus creating the appearance of living fur.

Those members of the crew who deemed it necessary to have a lion with curly hair heated a curling iron and gave the coat a marcel.

Prof Tells of 20-Year War on Dangerous Brucellosis

Twenty years of research and a hope for conquering the man-killing, animal-transmitted disease commonly called "undulant fever" are related in a new book by a University professor of medicine, Dr. Wesley W. Spink.

While the publication of the University Press has been described as "a biography of a disease and the autobiography of a laboratory and clinic devoted to study of that disease," the book is the story of a scientific curiosity that started in 1937 when Dr. Spink saw his first fever-ridden patient.

Ten years prior to that time, even the disease was not always called by the same name. Nor was it certain that man could catch it from animals. It was sure, however, that cattle could catch it from each other and, in cattle, the disease was called, "Bang's Disease."

Dr. Spink points out that the germ was first noted in 1884 as a deadly fever by a young British Army surgeon, David Bruce. At his new post on the Mediterranean island of Malta, Bruce came in contact with a malady "of unknown origin" which was killing or invalidating the British forces.

It took another 30 years, however, before a Maltese doctor was able to give the cause of "Maltese" fever. He started a series of extensive experiments only to discover the cause was quite close at hand—the drinking of unboiled goats' milk.

At the turn of the century, the disease in the United States was still scientifically unknown although fairly frequent among workers in packing houses, cattlemen and farmers. Serious study was difficult by the very nature of the disease which at times is severe



Dr. W. W. Spink

and at times mild as it fevers an individual. More often than not, doctors thought patients were imagining their ailments.

There were, however, other theories. One of them was presented in 1903 at a meeting of dairymen by Dr. M. H. Reynolds, head of veterinary science at the University.

Not, however, until 1926 in New York was there positive identification of the cattle disease in human beings. Some years later, Dr. Spink saw his first patient, a 29-year-old farmer who had fever, swollen joints, a heart murmur and a pennyweight of strength. The patient died.

Spink, knowing the disease was brucellosis, checked the farmer's history to ascertain how he had caught it. The search led to the cattle, half of which had Bang's disease. Further inquiry showed that the unsuspecting farmer habitually drank the raw milk of his herd.

For many years, "brucellosis" (as

it became known when people caught the brucella germ) evaded the cures of the medical world. The wandering fever, more powerful than some other infectious diseases, even eluded the first antibiotics.

Penicillin failed. Streptomycin was disappointing. Then streptomycin and sulfadiazine were tried in combination, and in February 1948 Doctor Spink reported what was called "the first effective treatment."

Later in 1948, the new drug aureomycin proved even better. Today doctors combine aureomycin, acromycin and streptomycin. "The rate of cure is now 80 to 90 per cent when cases are diagnosed early," Spink reports.

Blood tests showed that some 20 per cent of all rural Minnesotans had been infected at one time or another.

The state of Minnesota, especially after 1948, stepped up its program of testing herds and slaughtering infected cattle. In 1950 Minnesota ruled that all milk sold in this state must be pasteurized.

Many American cities and states, he points out, still must act.

"Infected animals," he writes, "should be removed from their herds."

Methods of eradication and treatment used in Minnesota, he said, have become popular with numerous other states where brucellosis has been found. Among states where the disease has been a problem are Wisconsin, Iowa, Missouri, California and New York.

Dr. Spink, a recognized world authority on brucellosis, is one of the leaders in the World Health Organization, which is working to control the disease in such areas as the Middle East and the Far East.

SUMMA CUM LAUDE

To

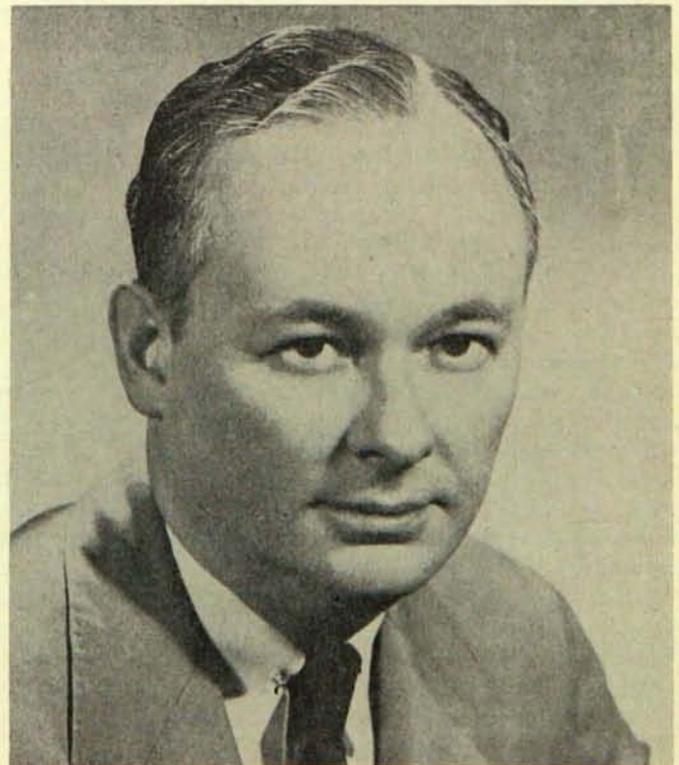
A Welfare Chief and . . .

Dr. Marjorie E. Moore on being named chief of the Division of Research and Special Studies in the office of vocational rehabilitation, U.S. Department of Health, Education and Welfare. She has been engaged in work in this division since 1946 and has made the prevalence and nature of disabling conditions in the adult population her special study. Dr. Moore received her PhD in education and biostatistics from the University in 1945.



Drug Research Leader

Dr. L. Erle Arnow on being elected executive director of the Merck Institute, for Therapeutic Research, manufacturing chemists in New Jersey. Working with a staff of over 300, more than half of whom are professionally trained, Arnow will direct all the organization's activities at its several locations. He is also vice president of the Merck Sharp & Dohm Research Laboratories Division of Merck, Inc., Arnow received a PhD in '34, MB in '40 and 'MD in '40. In 1955, he was honored with the University's outstanding achievement award.



GOPHER GRAD

The Real Mac GUF

Robert P. Provost
Director of the Greater University
Fund

When driving a car in heavy traffic, looking back over your shoulder can be extremely dangerous. Looking back can be costly in educational fund raising, too. We are tempted at the start of a new year to take our eyes off the road ahead and look back on a record-breaking year.

What sign posts on this 1957 highway will we watch?

First, the University will be in the legislative limelight and again calling public attention to its vital growth needs. Our responsibility will not be to parade these critical needs before your eyes, but rather to indicate to you the many opportunities that your gift makes possible at the University in behalf of programs supported entirely by contributions. For example, all student aids, including scholarships, fellowships and loans are made possible only by gifts.

Secondly, we will try to time our mail appeals to you to coincide with the nation-wide public service effort in behalf of higher education by the Advertising Council. We will do this because we are optimistic about your acceptance of their presentation of the "case for higher education."

Thirdly, we hope to invite more of you employed by companies using a matching gift program to contribute. We are unable to visit you in this category, but we would like to have you know that we are extremely interested in this opportunity that you have at your disposal. We realize that in order to unlock the matching gift provision, we must do a better job.

These are but a few of the roadmarks along the 1957 highway for the Greater University Fund. We will be looking for them and for your continued interest, being mindful of the generous assistance you have given during the past year.

JANUARY, 1957

15



for a vacation where it's warm...
INTERESTING NEW SPORTWEAR
in our exclusive designs and colorings

We have an outstanding selection of good-looking items for cruise and southern resort wear...from new Odd Jackets of long staple cotton woven in England (shown) to our famous Brooksweave,[®] Dacron* and cotton sportwear...and our distinctive sport shirts and beachwear. All reflect our quality, individuality and good taste.

Odd Jackets, from \$22.50 • Odd Trousers, from \$16
Sport Shirts, from \$8.50 • Tee or Polo Shirts, from \$4.50
Our Bermuda Length Shorts, from \$11

*Du Pont's fiber

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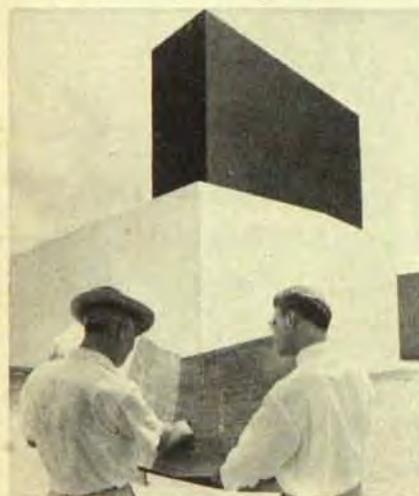
111 BROADWAY, NEW YORK 6, N. Y.

BOSTON • LOS ANGELES • SAN FRANCISCO

NORTHROP ENGINE TEST CELL

Complex Building Eats Up Sound Waves

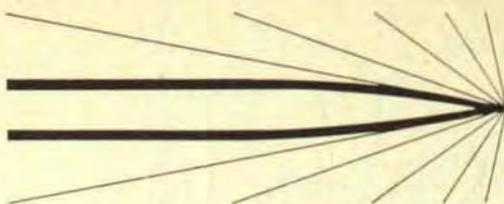
(HAWTHORNE, CALIF.) In this apparently uncomplicated structure, shown below, sound waves from the most powerful jet engines will literally destroy themselves. It is Northrop Aircraft's uniquely designed engine test cell,



which is actually two buildings — one within the other — and the inner one is divided into four separate sections. Each unit is completely insulated from the others to add to the destruction of all sound. An entire fuselage of Northrop's Snark SM-62 missile can be placed in the forward section of the cell, yet little if any sound from its powerful engine can be heard outside.

Sound from the engine under test passes into a maze of concrete chambers which produce resonances destructive to the sound itself. Northrop missile engineers will be completely isolated from any sound during the tests, which can be observed through a closed television circuit. Two sets of 18-ton doors, that hermetically seal the building during tests, can be closed in 30 seconds by small air motors. The cell also has a three-fold fire prevention system to eliminate all fire danger.

The new building is one of many advanced features incorporated in Northrop's multi-million-dollar engineering and science center. When completed, this center will offer engineers the opportunity to work with the latest equipment and installations in the most advanced facility of its kind.



MISSILE ENGINEERS

Many new positions are being created at Northrop Aircraft for missile engineers in a wide range of activity: control, guidance, servo, computers, recording, optical, reliability, electro-mechanical, telemetering and electronics. There's an interesting position for you, at your own experience level, with attractive remuneration and steady advancement, in one of the following groups:

GUIDANCE AND CONTROLS, encompassing research and development of advance automatic guidance and flight control systems for both missiles and piloted aircraft. Specific areas of development include: radio and radar systems, flight control systems, inertial guidance systems, instrument servo systems, digital computer and magnetic tape recording systems, airborne analogue computer systems, optical and mechanical systems, and systems test and analyzer equipment.

FLIGHT TEST ENGINEERING SECTION, which plans the missile test programs and establishes test data requirements in support of the programs. The data requirements are predicated on the test information required by the engineering analytical and design groups to develop and demonstrate the final missile design, and are the basis from which instrumentation requirements are formulated.

The analysis work performed consists of aerodynamic, missile systems, dynamics, flight control, propulsion and guidance evaluation. The Flight Test Engineering Section is also responsible for the field test program of the ground support equipment required for the missile.

FLIGHT TEST INSTRUMENTATION SECTION, which includes a Systems Engineering Group responsible for the system design concept; a Development Laboratory where electronic and electro-mechanical systems and components are developed; an Instrumentation Design Group for the detail design of test instrumentation components and systems; a Mechanic Laboratory where the instrumentation hardware is fabricated; and a Calibration and Test Group where the various instrumentation items and systems are calibrated and tested.

For 17 years Northrop Aircraft has pioneered in missile research and development. As a member of this forefront organization in this growing field, new opportunities for full expression of your initiative and ability will always be yours at Northrop.

If you qualify for any of these attractive positions, we invite you to contact the Manager of Engineering Industrial Relations, Northrop Aircraft, Inc., telephone ORegon 8-9111, Extension 1893, or write to: 1015 East Broadway, Department 4600, Hawthorne, California.



NORTHROP

NORTHROP AIRCRAFT, INC., HAWTHORNE, CALIFORNIA

Producers of Scorpion F-89 Interceptors and Snark SM-62 Intercontinental Missiles

Alumni of the U are an
ever-growing group and
there will be

facts and opinions from
the alumni secretary

200,000 Grads By 1970

Dear Gopher Grad:

I am sure that you have been reading the series of three articles that have been appearing in November, December, and this issue of the Gopher Grad. The articles describe the sheer physical requirements — land, building and housing needs of the University necessary to take care of the great influx of students that can be so accurately predicted for the next fourteen years.

The articles do give, I believe, an insight to the problems facing the University and reveals the thinking and detailed planning that the University has done to encompass the problem. One thing is sure, the University knows what's ahead — and what's necessary to be done *now and every year through 1970* to meet the need.

As one considers the great influx of students, it follows that graduates will increase correspondingly and that the alumni of the University are a *fast-growing* and ever increasing group. While the University was 100 years old in 1951, yet her first graduates were in 1873. By the turn of the century, less than 3,400 degrees had been granted. Over 16,000 degrees were granted during the next twenty-five years.

Today there are over 135,000 degree holders of the University of Minnesota. *This means that, since 1925, 115,000 additional degrees have been awarded*, with the greatest number being earned since 1946. In other words the alumni family is growing by leaps and bounds. Degrees have been granted about like this:

Before 1900 less than 400 degrees a year
Before 1913 less than 600 degrees a year
Before 1917 less than 800 degrees a year
Before 1921 less than 900 degrees a year
Before 1925 less than 1300 degrees a year
Before 1930 less than 2000 degrees a year
Before 1946 less than 3000 degrees a year
Before 1953 less than 4000 degrees a year
Since 1953 more than 4000 degrees a year

By 1960 more than 5000 degrees a year will be granted.

Therefore within just fourteen years, the number of Minnesota graduates will increase by 68 to 70,000 bringing the total graduated group to well over 200,000.

This bodes well for the University. Why, let me quote from Dr. Henry T. Hearld in his final president's report before leaving New York Uni-

versity to become head of the Ford Foundation:

"The ultimate continuing strength of a university rests with its alumni. Their association is ended only with death, and even then new generations of alumni provide the continuity that perpetuates a university. Its officers come and go, its faculties change, its programs are modified, and its buildings are replaced, but its alumni maintain a lifelong relationship to their university.

"They are keepers of the tradition, preferred stockholders of the enterprise, the mark of its accomplishment.

"From the time he is selected as an undergraduate, the alumnus is irrevocably associated with and attached to his university. If his university gains renown, some rubs off on him. If he attains prominence and success his university basks in the reflected glory. He of all people has the greatest stake in his university. He follows its progress with pride; he serves as an unofficial ambassador to the community; he contributes in many ways to its leadership.

"A university has a responsibility to its alumni, and they to it. If an alumnus maintains an intimate association with his institution and an intimate knowledge of its goals and problems, the chances are great that he will give it his assistance, in time, effort, and money. In turn, the university is the keeper of a trust for him. It must never give him real cause to regret that it is his university. This is the ideal university-alumnus relationship. Both the university and the alumnus should strive to reach it and keep it.

If the ultimate continuing strength of a University *does* rest with her alumni, then the university will not fail in the struggle to meet the needs of the people of the state. With the help of all the people of the state but especially through the leadership of her graduates (200,000 strong by 1970), Minnesota will continue her hard-won place in the roll call of great universities — great because of her excellence in teaching and scholarships, research and science to the people of the state and, in a larger sense, to the nation as a whole.

Sincerely,

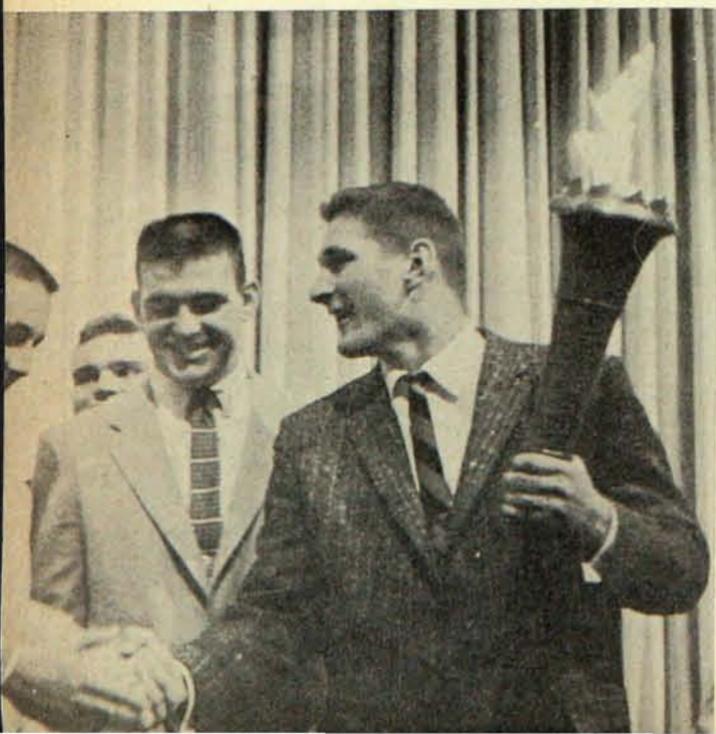
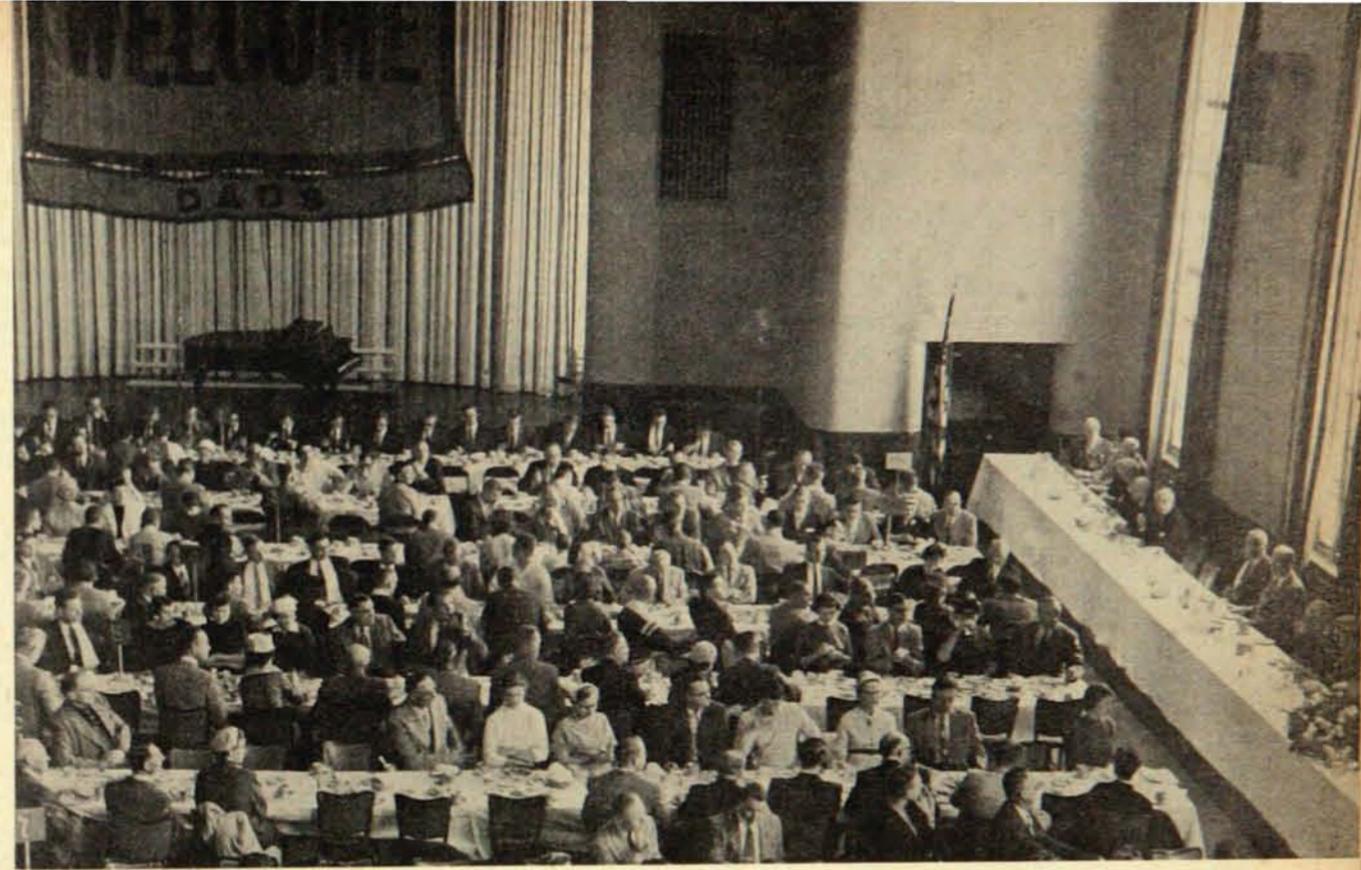
Ed Hearld

Campus Window

At a University like Minnesota's—a big city of exciting events —, the earth-shaking and the mundane become daily fare for the busy student. At one end of the campus, a blindfolded Hungarian student patriot, traveling under an assumed name, makes an impassioned plea for his country's freedom and, elsewhere, a dark-haired beauty is named the Delta Upsilon's "Dream Girl." Change, progress and bits of human interest are everywhere. These pictures hardly begin to tell the story.

Counterclockwise: If track points could have won the Olympics, Minnesota's Jim Kelly, coach of the U. S. Olympic track teams in Australia, would have helped bring home a smasharoo; Bill Chorske and retiring football captain, Dean Maas, congratulate Jon Jelacic, 19, of Brainerd, newly elected football captain whose symbol of competition is the torch; the Minnesota Rovers on a snow trip; Gopher Grad feature writer, Jo Anne Green '57, with a friend in a happy mood upon completion of the "Campus 1970" series on university expansion (see p.5); theater's Helen Manfull at a spectacular moment in the experimental production, "Mother Courage"; at an international geologists' meet in the Nicollet, G. S. Hume of Calgary, Canada, the group's president, awards the Day medal to Prof. O. C. Nier, chairman of the school of physics, for work in age determination of the earth. Pres. J. L. Morrill speaks to more than 500 during a day-long meeting of U dads.

(Photos by D. Perlmutter, Art Sear and Carroll Hartwell, and Frank Briese.)



Tray, Book Rack Readied for Alums

A new Chippendale tray and book rack decorated with a natural-color scene of Northrop Auditorium have been added to the list of alumni mementos, according to MAA ExSec'y Ed Haislet.

"If alumni have been pleased with our other 'M' items, they'll really be enthusiastic about these handsome pieces," he said, indicating that the manufacturer has included "extraordinary packaging" in preparation of the tray and book rack.

Haislet said that, due to the cost of packaging and shipping, the 1957



Chippendale Tray and Rack

prices have had to be revised for both members and non-members. In addition, a standard postage charge will be made for orders in continental U.S., Canada, Mexico, from an APO or in a U.S. possession.

Orders from all other countries, he said, would need slightly higher postage.

The revised prices, are as follows:

Tray for *association members* in continental U.S., Canada, Mexico, at an APO or in a U.S. possession: \$4.95; non-members: \$5.95. The postage for this order will be 30c.

Book rack for *association members* in continental U.S., Canada, Mexico, at an APO or in a U.S. possession: \$2.65; non-members: \$3.65. The postage for this order will be 15c.

Members and non-members in all other countries will be charged 50c on the trays and 25c postage on the book rack.

Louis Gross Named GUF Chairman

Louis Gross, Edina, was elected chairman of the board of trustees of the University of Minnesota Greater University Fund, at the board's annual fall meeting held recently. Gross, of Robitchek-Schneider Co., Minneapolis, is a 1925 University graduate.

Lloyd Hatch '23BScE, St. Paul, vice president in charge of research and development for Minnesota Mining and Manufacturing company, was elected vice chairman.

A progress report by Robert P. Provost, Greater University Fund director, indicated an increase in gifts this year as compared to 1955. The board then discussed plans to focus attention and public interest on the needs of higher education, approve a liberalized student loan program for action by the University board of regents and to take advantage of the Advertising Council's program next year in cooperation with the Council of Financial aid to education.

'34 Gopher Book Sought

An alumnus in Pittsburgh would like to obtain a 1934 edition of the Gopher. Anyone who can offer any assistance on leads on this edition please contact P. A. Beckjord, 254 McClellan Drive, Pittsburgh 36, Pennsylvania.

Haislet, Jones Visit

ExSec'y Ed Haislet and Prof. Ralph Jones were guests at the Fox River Valley, Wisconsin, MAA's 18th annual meeting in Neenah.

Officers elected for the coming year were William Playman '37-BChE, Appleton, president; Ray Bennett '47BAMechEng, Appleton, vice president; Don Luebke '46-BBA, secretary-treasurer, Menasha; and Howard Palmer '22BCE, Neenah, historian.

Comstock Alumnae Plan '58 Scholarship

The first scholarship program for the Minnesota Alumnae Club of Comstock Hall will go into effect in the spring of 1958, according to Mrs. Thomas Kotula '53BS, of Minneapolis, president of the newly-chartered group.

Mrs. Kotula succeeds Mrs. Robert Hedstrom '54BSEd, St. Paul, Comstock Alumnae president under whom the organization of the unit and the granting of the charter were completed.

Three goals of the association are to create a closer tie with the University and Comstock Hall, to provide a yearly scholarship for a "worthy" Comstock student, and to participate in Comstock Hall projects such as assisting in interior furnishings and planning social activities.

Serving the organization along with the president are Gail Quarnstrom '53BS of Minneapolis, vice president, and Margaret McElmery '54BS, Minneapolis, secretary-treasurer.

Other Minnesota alumnae who have taken an active interest in University affairs feted Dr. and Mrs. Morrill at a tea and reception in October.

Teacher Alumni Set Group Drive

A second membership request along with a college of education newsletter is being planned during January or February for teacher-alumni through the nation by the alumni association of the college of education.

At a November 12 meeting, the directors also indicated that a new member was necessary to replace Carl B. Nelson '47MED '54 PhD, music education instructor, who has left the campus.

President Emmet D. Williams '48BSEd, St. Paul, presided at the meeting.

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IT Alum Elect, Have Award Ceremonies

Milton S. Wunderlich '19BS^{Eng}'20ME, St. Paul, was elected president of the institute of technology alumni association during the group's Nov. 30 meeting.

Other officers are Robert A. Hoel '43BAeroE '47MSAeroE, Minneapolis, first vice president; Clifford L. Jewett '31BSCHE, Minneapolis, second vice president; and Edwin A. Willson '30EEE, Minneapolis, secretary-treasurer.

Committee chairmen for the various engineering areas also were elected. They are: from Minneapolis—Edward F. Abramson '48BAeroE '49MSAeroE, aeronautical engineering; Paul W. Salo '32BCE, chemical engineering and chemistry; Robert C. Dunn '48BCE '48BBA, civil engineering; Ernest G. Albrecht '25BSEE, electrical engineering; Otto J. Pfeifer, Jr. '29-BME '35MSME, mechanical engi-

neering; and Peter Warhol '29-MetE, mining and metallurgy. Richard F. Hammel '44BArch, St. Paul, was elected chairman for architectural engineering.

Outstanding achievement awards were presented to Hibbert M. Hill '23BSCE, chief engineer for Northern States Power Co., and former MAA president; Dr. Phillip L. Merritt '28BA, senior geologist for E. J. Longyear Co., Mpls. and New York; and Stuart L. Bailey '27BSEE '28MS of Jansky & Bailey, Inc., Washington, D.C.

Three former professors were also honored. They were Dr. E. W. Davis (Mr. Taconite) of the school of mines, Thomas P. Hughes of mechanical engineering and Ralph Hazlett Upson of aeronautical engineering.

Guest speaker at the banquet was Award Winner Bailey.

Fifty Years Loyal

Orlando E. Overn, a graduate of the class of 1908, was the oldest alumnus present when the Madison MAA met in the Old Madison Room on Nov. 23.

Forty-four alumni were present at the Wisconsin meeting attended by MAA ExSecy Ed Haislet '31BSEd and Athletic Director Ike Armstrong.

L. Nesgoda Elected Pittsburgh President

Leonard A. Nesgoda '41BME, Pittsburgh, was elected to succeed Henry C. Carlson '37BCE as president of the Pittsburgh MAA.



L. Nesgoda

Named to other offices during an early fall meeting were William A. Jacobs '30BE of Pittsburgh, vice president, and John A. Anthes '34BChemE '39-PhD of Bridgeville, secretary-treasurer.

Alumnae Holiday Meet

Members of the Minnesota alumnae club made a small donation to some worthy charity and heard a talk by Madame Paul van der Hofstadt-Storia (Madame Lace of Belgium) at their Christmas luncheon held Dec. 8 in the Cardinal Room of the Curtis Hotel.



Janice Visits With Chicago Sponsors

Janice Pettis, SLA freshman of Gibbon (near New Ulm, Minn.), was a guest at the December meeting of the Greater Chicago MAA whose members are sponsoring her during this academic year.

Janice, who took her first plane ride to visit the generous Chicago group, was met by Chicago MAA president H. W. Dahlberg, Jr., '40BChE and appeared at the club's annual dinner meet along with Athletic Director Ike Armstrong and Coach Murray Warmath.

"We were very impressed with her and pleased with the University use of the scholarship grant," said Dahlberg who works with the International Mineral and Chemical Co. of Chicago.

Janice is one of three national alumni club scholarship students. Karen Olness, SLA junior of Peterson, Minn., is being sponsored by the Greater St. Louis MAA (originator of the "grant with a personal touch" program), and Ardyce Gustafson, SLA freshman of St. Paul, is being sponsored by the Pittsburgh MAA.

Awards Set For U Charter Day

Approximately eight or nine outstanding achievement awards will be presented at the Charter Day convocation sponsored by the University on Feb. 28.

As a part of the day's festivities, the MAA will hold an honors luncheon to which will be invited all past achievement award winners, present and former members of the board of regents, past presidents of the MAA board and all of the present board members, the board of trustees of the GUF and administrative committee members.

In addition, invitations will be sent to presidents of Minnesota alumni clubs.

Business Alumni Start Membership Drive

A concerted membership drive with individually-donated gifts offered to the best "recruiters" has been launched by the school of business administration alumni association.

The group voted the membership campaign at their Nov. 3 meeting of the board of directors and class chairmen.

A turkey and an electric shaver

Burmuda Belle

With one in 4,000 chances in her favor, the secretary-treasurer of the Jackson County MAA hit the jackpot in a drawing and wound up sunning herself in Burmuda.

The lucky alumna was Elaine Striemer '40GN, formerly of Alpha and now of Minneapolis.

New Life Members

- Roger S. Barrett '32BA '34LLB
Chicago, Illinois
- Ralston S. Bauer '50BSEd '54MED
Indianapolis, Indiana
- Ernest F. Beber, MD '38BS '39MB
'40MD
Myrtle Point, Ore.
- Kingsley Day '23BA
Minneapolis, Minn.
- Milo T. Harris, MD '32MSRadiology
Spokane, Wash.
- Malcolm R. Johnson '35MB '36MD
'40MSorolo
Minneapolis, Minn.
- Ben L. Liman '38AA
Minneapolis, Minn.
- Earl Wilcox Nelson '27-'33 Ag
Minneapolis, Minn.
- Rudolph W. Nelson '49BEE
Springville, Iowa
- Theodore Rowell '25-28
Baudette, Minn.
- Albert D. Sandberg '48BSEd
St. Paul, Minn.
- Ruth E. Smalley '24BA
Radner, Penn.

will be given away before Jan. 25.

The meeting was presided over by Orem O. Robbins '36BBA, Minneapolis, and featured a report on the school of business conditions in regard to enrollment, building needs and problems of maintaining faculty.

Board Member Richard L. Kozelka '46BA '53MA, dean of the school of business who made the report, indicated that the problem of keeping teachers was particularly acute in view of pressures from other universities, alternative business opportunities and extensive development in the field of research.

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State Artists Featured In Jan. 8-11 Show

The sixth annual Rural Art Show will be held on the University of Minnesota's St. Paul campus during Farm and Home Week Jan. 8-11. J. O. Christianson, director of agricultural short courses, announced today.

More than 100 Minnesota rural artists exhibited in the show last year.

Anyone living in rural Minnesota or in a Minnesota town of less than 10,000 is eligible to enter recent original work in all types of painting, sculpture or the graphic arts. Each artist will be limited to two entries which must not have been exhibited at any previous Rural Art Show. Entry rules and forms may be obtained by writing: Chairman, Rural Art Show, Agriculture Library, Institute of Agriculture, University of Minnesota, St. Paul 1.

Paintings entered in the show will be on display in the agriculture library on the St. Paul campus during all of Farm and Home Week. Planned for each day of the show are gallery tours, discussions of the exhibits and talks on contemporary art by staff members of the University art department and the University gallery.

The Rural Art Show is one of many special features planned for Farm and Home Week, the University Institute of Agriculture's annual open house for farmers and rural and city homemakers. Some 40 different sessions during the week will deal with nearly every phase of agriculture and home-making.

KUOM Receives Award

University of Minnesota radio station KUOM Sunday was presented a public interest award for service to farm safety at a meeting of the National Association of Television and Radio Farm Directors.

Dorati Shares Baton During Benefit Concert

At the special invitation of Antal Dorati, the conductor of the Hungarian National Symphony Orchestra appeared at the University Dec. 19.

Dorati said that Zoltan Rozsnyai, now a Hungarian refugee, had come to Minneapolis under the sponsorship of Senator Thye, the State Department and himself.

Dorati hopes that Rozsnyai will be able to find a permanent position in the United States and be able to bring his wife and children to this country.

The concert centered around Hungarian folk tunes and popular classical pieces. Dorati directed half of the program himself—with emphasis on "popular appeal." Rozsnyai directed the other half on a Hungarian theme.

Rozsnyai flew directly from Zurich, Switzerland, to Minneapolis.

He and his wife and child were able to escape from Hungary in the midst of the Russian siege at the end of November, according to Dorati.

Symphony officials declared that all profits from the benefit are for Hungarian Relief Fund.

UMD Musicians Present Holiday Concert

One-hundred and twelve voices were presented in a program designed for holiday listening as the UMD chorus and vocal chamber ensemble participated in a concert at 8 p.m. Thursday, Dec. 13, in Main auditorium.

Allen L. Downs, assistant professor of music, directed the chorus in two sections of selections. On the program were Bach's "Beside the Cradle Here I Stand," Gregor's "Hosanna, blessed is He that comes," Schein's "From heights of heaven to earth I fair," and "O Magnify the Lord with me," edited by George Lynn.

Lippmann to Speak In Memorial Series

Walter Lippmann, noted newspaper columnist and public affairs analyst, will deliver the fourth Gideon Seymour memorial lecture at the University of Minnesota Sunday, Jan. 27.

During the first world war, Lippmann served as United States Army Military Intelligence captain and as assistant to the secretary of war. Until 1931 he was editor of the New York World. A Harvard graduate, Lippmann has authored "The Cold War" and "The Public Philosophy" and is now a special writer for the New York Herald-Tribune and other newspapers.

On Sunday, Feb. 24, James B. Conant, United States ambassador to the Federal Republic of West Germany, will deliver the fifth Seymour lecture entitled, "A Report on Germany."

Previous lectures have been given by James Reston, head of the Washington bureau of the New York Times; Arnold J. Toynbee, British historian, and T. S. Eliot, poet, lecturer and playwright.

The lectures are sponsored by the University through funds provided by the Minneapolis Star and Tribune. The series is in memory of Gideon D. Seymour, executive editor of the newspapers from 1944 until his death in 1954.

New U Press Chief Named

John Ervin, Jr., 29, of the Princeton University Press, was named director of the University of Minnesota Press in mid-December by the University Board of Regents. He will assume his new duties Feb. 1.

Ervin replaces Helen Clapesattle, who now lives in Chicago following her marriage Nov. 3 to Roger W. Shugg, University of Chicago Press director.

A 1949 honor graduate in applied economics from Yale university, Ervin is a member of Phi Beta Kappa

Perry Mason Creator To Speak Jan. 10

Erle Stanley Gardner, creator of fiction's lawyer-detective Perry Mason, will speak to students at a convocation Thursday, Jan. 10. Title of his talk, scheduled for 11:30 A.M. in Northrop Memorial auditorium, will be announced at a later date. The public is invited to hear Gardner free of charge.

Author of 50 Perry Mason novels and the "D.A." series, Gardner also writes under the pseudonym of A. A. Fair. In addition to his literary pursuits, Gardner, a lawyer himself, is a principal force behind the Court of Last Resort, an organization of dedicated experts in such fields as private detection, forensic medicine, lie-detector work and criminal psychology who joined forces in an effort to make people more aware of the whole crime problem and get constructive action.

New Home Economics Building Dedicated

A \$250,000 three-story home economics building was dedicated recently at the West Central School of Agriculture of the University.

Harold Macy, dean of the University's Institute of Agriculture, dedicated the building at a special ceremony planned as part of the Parents' Day program. An open house and coffee hour followed the dedication.

The new unit has two foods laboratories, a clothing laboratory, crafts room, home furnishing room, living room, laundry, library and three standard classrooms. Money was appropriated for the new building by the Minnesota State legislature in 1953. Started in May, 1954, the building was first used during Women's Week in June, 1955, but was not completely equipped until August, 1956.

Gopher Theater

'Mother Courage'

"Mother Courage," a superb December performance under the direction of Prof. Art Ballet '47BS '49MA '53PhD, is an unusual play, in which most of the action revolves around a covered wagon set on a misty, but otherwise bare, stage.

The experimental play represents a departure from traditional drama in more than imaginative staging, however. Perhaps most striking is its failure to identify the viewer with a protagonist who lives through a series of related events.

"Mother Courage," as an epic play, is composed of a series of scenes which each in itself seems complete. The setting is the Seventeenth Century during the Thirty Years War. Mother Courage and her three children journey across Europe, selling odds and ends in the manner of the modern day peddler.

In a truly professional performance by Helen Manfull, the trials of Mother Courage come to life and engulf the viewer in powerful realism: Mother Courage loses her three children. Her youngest, Swiss Cheese, is killed as a result of trying to perform his duty. Her other son, Eilif, is killed during peace time for performing what in war time would have been a heroic deed. Her daughter, Catharine, is killed when she attempts to warn a town of a raid by Catholic soldiers.

War causes hardships, but peace is no better. Man benefits from neither. Mother Courage alone survives, as a result of her toughness and practicality. She is the symbol of life, and nothing seems strong enough to kill her. But, at the end of the play, for what does Mother Courage have to live?

The author, Brecht, has said the purpose of this play was to disturb the audience. This he succeeds in doing, for he offers no solutions.

No doubt there are as many interpretations of this play as there are viewers.

- J.A.G.

UNIVERSITY CALENDAR

Minneapolis Symphony Concerts

(Admission \$1.75-\$4)

Jan. 18 - Fernando Previtali, conducting - 8:30 p.m.

Feb. 1 - Artur Rubinstein, pianist - 8:30 p.m.

University Artists Course

Jan. 16 - Gina Bachauer, pianist - 8:30 p.m.

Feb. 2 - National Ballet of Canada - 8:30 p.m.

Special Concerts

To public without charge

Feb. 2 - All-Mozart concert, Dr. James Aliferis conducting - 8:30 p.m.

Feb. 3 - William Teague, organ recital - 3:30 p.m.

(Admission \$1-\$3)

Feb. 9 - National Ballet of Canada - 2:00 p.m.

Special Lectures

For public without charge

Jan. 8 - Olof Holtedahl, Geologist, U of Oslo:

"History of Structural Features of Norway" - 12:30 p.m.

Jan. 18 - Dr. Eugene Gollin, U of M Institute of Child Welfare:

"A Developmental-Comparative Approach to Individual Differences." - 3:30 p.m.

Others

To public without charge

Jan. 31 - "Lost in the Stars", a concert version of Broadway production, featuring singers from the original cast; based on best-selling "Cry the Beloved Country" - 2:30 p.m.

Feb. 12 - Final regional Metropolitan Opera Auditions - 8:00 p.m.

Theater Productions

(Admission \$1.20)

Jan. 23-27 - "Candida" - 8:30 except Jan. 27 when 3:30 matinee only

Jan. 31-Feb. 2; Feb. 5-10 - "Finian's Rainbow" - 8:30, except Feb 5 and Feb 10 when 3:30 matinee only

Music Department

(To public without charge)

Jan. 20 - Gladys Pomeroy, pianist - 8:30 p.m.

Northwestern U Prexy Addresses Fall Grads

Dr. James Roscoe Miller, Northwestern university president addressed approximately 590 fall quarter graduates on "Law and Liberty" in commencement exercises at 8 p.m., Dec. 20 in Northrop Memorial auditorium.

President Miller has received degrees from Utah, Northwestern, Bradley and Arizona universities. He became assistant dean of the Northwestern university medical school in 1933, was named dean in 1941 and university president in 1949. He also achieved the rank of professor of medicine in 1949.

University of Minnesota President J. L. Morrill conferred the degrees.

Edmund G. Williamson, dean of students, introduced deans of the various University colleges who presented their candidates for degrees to President Morrill. Students receiving doctor of philosophy degrees were announced individually by Dean Theodore C. Blegen of the graduate school.

Following the commencement, President and Mrs. Morrill were hosts at a reception for all graduates, their parents and friends in Coffman Memorial Union main ballroom. The University men's glee club ensemble, under the direction of Richard H. Paige, assistant professor of music, entertained at the reception.

SLA Dean Given TCU Award

Dean E. W. McDiarmid of the University of Minnesota's college of science, literature and the arts, has been given Texas Christian university's 1956 distinguished alumnus award.

The award, a plaque, is given annually in recognition of outstanding service to the university.

McDiarmid received his bachelor of arts degree from Texas Christian in 1929, and earned his master's degree there in 1930.

North Carolina Studies Show 'Weaker Sex' Getting Strong

Women are living longer than men and the span of longevity for women is increasing at a greater rate than the span of longevity for men.

After two years of study, Kenan Professor Rupert Vance and Dr. Francis Madigan, a priest of the Society of Jesus, have shown results with four groups of people. Two of the groups are taken from standard U.S. life tables and two groups were composed of 42,000 brothers and sisters who have taught or are teaching in Catholic schools.

All life expectancy estimates in the study start at the age of 15.

In 1900 the average man of that age could expect to be 61.6 years old. By 1950 that expectancy had increased so that the average 15-year-old could expect to live to be 69.4 years old.

The average woman of that age in 1900 could expect to live to be 63.5 years old, but by 1950 life expectancy had increased so that the average woman of that age could count on living to be 74.9 years.

U. S. Civil Service Issues Call for Engineers

The U. S. Civil Service Commission announces that applications are being accepted for Engineer and Physical Science positions for duty in activities of the Potomac River Naval Command in and near Washington, D. C., and in the Engineer Center, U. S. Army, Fort Belvoir, Virginia. The beginning salaries range from \$4,480 to \$11,610 a year.

Further information and application forms may be obtained at many post offices throughout the country, or from the U. S. Civil Service Commission, Washington 25, D. C. Applications must be filed with the Executive Secretary, Board of U. S. Civil Service Examiners for Scientific and Technical Personnel, Potomac River Naval Command, Building 72, Naval Research Laboratory, Washington 25, D. C.

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PARIS Here's the low-down on Paris high fashion that covers a whole lot more than the models! Read about the champagne parties at Maxim's, the rented Rolls-Royces and the back-room bickerings that change the shapes of a nation.

BELGIUM She's beautiful today, and her gay and busy people are devoted to solid good living—but Belgium was crushed by both World Wars! Millions of GI's will never forget her, or the Belgians they got to know.

PRINCESS MARGARET Is she a lonely girl, tormented by dreams? Or is she the gay nightclubber who likes to live it up? Holiday has the answers!

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NOW AT YOUR NEWSSTAND

JANUARY HOLIDAY

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UMD Joins Drive For Displaced Students

UMD students have begun a drive to obtain clothing to aid Hungarian students. James Banovetz, UMD commissioner for the National Student association, and his human relations committee have organized the campaign. Collection boxes have been set up at strategic campus points.

U Heart Surgeons Report on Operations

University of Minnesota heart surgeons reported the results of their first 100 direct vision heart repair operations to the American Heart association annual meeting this October in Cincinnati.

Dr. Edgar V. Allen '31MS, who was installed as president of the association, spoke at the annual dinner meeting.

Daily, Tower Win First Place Awards

For the third year in a row the Minnesota Daily and its magazine publication, the Ivory Tower, took awards at the national convention of journalism fraternity Sigma Delta Chi.

The awards were first place for non-fiction writing in campus magazines and first place for spot news coverage.

The second award was made for a story done by Daily editor John Tomsich, SLA senior, on a student who last spring attempted to kill his ROTC instructor and committed suicide.

The Minnesota SDX chapter was also rated third in the country on the Hogart Award list. This list is the chapters that have the highest number of graduates that stay in the field of journalism.

Scholarship Honors Former MAA Head

A memorial scholarship to honor the late Judge Theodore Christianson, Jr., '37BSL LLB has been established at the University of Minnesota by his professional colleagues.

Christianson was president of the Minnesota alumni association in 1953-54.

He was the son of a three-term Minnesota governor and an associate justice of the Minnesota supreme court from 1950 until his death in the fall of 1955.

Pledges and gifts thus far total approximately \$3,000. In awarding the scholarship, the University will give preference to students enrolled in the law school.

There is no beautifier of complexion, or form, or behavior like the wish to scatter joy and not pain around us. — *Ralph Waldo Emerson.*



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THE FLEET GO FORWARD

Will Shapira
Minnesota Daily Sports Editor

Though lack of speed could give the hockey Gophers their scoring troubles this year (at least, that's what Coach Johnny Mariucci complained about after the mid-December openers), they should do all right holding down their opponents' goal-getting efforts.

For with Jack McCartan and Don Vaia working superbly in the Minnesota nets, the Gophers are afforded two good goal-keepers.

Actually, it was somewhat of a surprise for many fans to see Vaia come through as well as he has. Not too many would have said, before the season started, that he'd be sharing the duties with McCartan, who was last year's regular.

But that's how things stood after the St. Boniface series, and a look at those two games shows why. Both goalies held the Bonnies to a goal a game as the Gophers swept the pair, 5 to 1 and 8 to 1.

And you can go back to the alumni game the week before to get further proof. While McCartan worked in the Varsity nets, Vaia guarded the alumni goal and turned in the better performance scoring-wise.

The alumni, loaded with former Gopher stars such as John Mayasich, Gene Campbell and Dick Dougherty, dented McCartan for five counters while Vaia was tapped for two. That doesn't tell the entire story, however since it was obvious that the Alums packed a much greater scoring punch than the Gopher Varsity.

All in all, both boys drew praise from Mariucci and will probably keep dueling for the starting spot if they keep going like they did early in the season.

On the other hand, Mariucci had good cause to complain about his squad's dearth of scoring. Early pre-season practices found the Gophers more impotent in that department than most recent Minnesota teams, and to combat this, he juggled the lineups.



Captain Jack Petroske also played on the '56 Olympic team.

An injury to Mike Pearson, who accounted for both Gopher goals against the Alumni in one minute during the third period, was figured to make things tough for Minnesota.

But things took a turn for the better and the squad started to dent the nets regularly against the Bonnies, tallying 13 goals during the two games.

Still Mariucci wasn't satisfied, and he was probably right. For while the boys hit well against St. Boniface, scoring against the Western Intercollegiate Hockey League teams may be another story since it's well known that the juvenile Bonnies aren't in the same league (literally and figuratively) as Gopher league opponents.

Thus, the past few weeks has been one big juggling act to get the speedy personnel in the forward spots.

"We've got to spread out our best talent over three lines to get better speed and scoring," said Mariucci. "We are going to run into trouble if we try to work with only one good line."

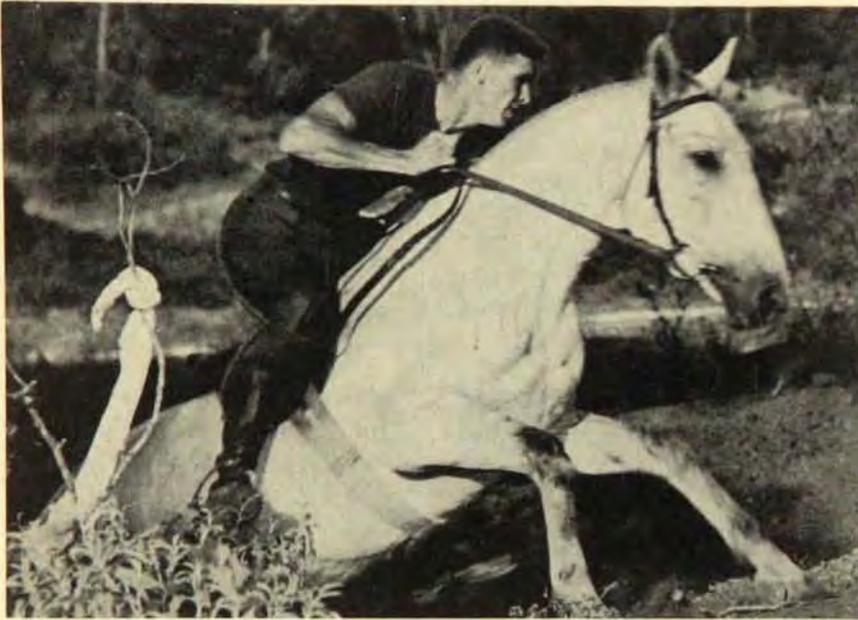
In the process of trying to concentrate speed in the puck carriers, a junior varsity player has been awarded a first-line berth with the Bartholome-Pearson combination. Chet Lundsten, a 1951 All-Star from Williams.

Also, Wing Herb Brooks was promoted to the second line where he will team with Turk and Williamson and perhaps turn in a surprise or two as a puck handler who travels on a bolt of lightning.

Throughout, Mariucci has indicated that no permanent lines will be set until after the series at Colorado College Jan. 4-5.

Minnesota opens league play Jan. 1-2 at Denver. The WIHL home opener will find the Gophers hosting North Dakota Jan. 11-12.

Lambert In Olympic Pentathlon



Howard Lambert '52BA, (son of George Lambert '25BSBus of Sioux City, Ia.) at present a PhD candidate in psychology at the University of Paris, practices for the steeple chase prior to his Olympic performance in Melbourne where he made what many consider the most outstanding contribution of any Minnesota alumnus. Howard flew back to this country from Paris at his own expense to qualify for the Pentathlon team. He placed fifth in individual events and led his team to second place in what is often called the toughest of Olympic competition.

Siebert on pros:

College Players Should Finish School

Baseball coach Dick Siebert has indicated the major league's dropping of the rule regarding the signing of college players was a good move.

"That rule was ineffective and everybody knew it," Siebert said, watching a few of his sophomore pitching prospects go through an informal hurling drill.

"The majors just got around it by having their minor league teams sign the kids instead. I don't think things will be much different now. It's just that Ford Frick made a good decision in dropping the rule. Now things are more out in the open."

He sat down and lit a cigaret. "You know, when I was a kid, I had a baseball book written by John McGraw called 'My 30 Years

in Baseball.' I'll never forget the first couple pages.

"McGraw was writing about how he got the introduction for his book. He said somebody happened to ask him which he'd rather have: a dumb ballplayer or one who went to college before he played pro ball.

"That's always stuck with me, ever since I first got that book, and I was 14 then."

Siebert rose and jammed his hands into the pocket of his maroon and gold coach's jacket.

"I think college players ought to be left alone. The old rule didn't do that because it said a boy could be signed when he was a freshman or 21 years old. That didn't leave much time in between.

"A person going out in the world

Yearling Football Squad Wins 44 Letters in '56

Wallace (Wally) Johnson, head freshman football coach at the University of Minnesota, Wednesday recommended 44 members of the 1956 Gopher yearling squad for their numerals.

Of the 44 selected by Johnson, 34 are from Minnesota. Other states represented are Illinois (3), Michigan and Wisconsin (2), California, North Dakota, and New York (1).

It is the concensus of veteran observers that this is one of the best freshman squads of the post-war years, rivalled perhaps only by the 1954 crop. Particularly pleasing to the Minnesota coaching staff is the number of promising halfbacks including Arlie Bomstad of Atwater; Jack Hublou of Bismarck, North Dakota; Ivar Kauls of Forest Lake; Joe Krakoski of Westville, Illinois; William Martin of Chicago, Illinois; and Tom Robbins of Rochester.

Only those freshmen on the recommended list who are passing in all subjects at the end of fall quarter will be awarded their numerals.

Sports Events

Basketball

Jan. 5 - Illinois
Jan. 12 - Iowa
Jan. 14 - Ohio State
Jan. 19 - Northwestern
Jan. 26 - Michigan State
Feb. 2 - Michigan
Feb. 9 - Michigan

Hockey

Jan. 4-5 - Colorado College
Jan. 11-12 - North Dakota
Jan. 18-19 - Michigan Tech.
Jan. 25-26 - North Dakota
Feb. 1-2 - Michigan State
Feb. 8-9 - Michigan
Feb. 11 - Colorado College*
Feb. 12 - Colorado College

Homes games in BF

*At St. Paul Aud.

today has to have a college degree; otherwise, things might be tough for him. The majors should leave the kids alone; let them get their education. Then, when they have the degree, let 'em try pro ball. If they don't make it, they've got that education and degree right there."

GOPHER GRAD

Lack of Height Plagues Cagers

The basketball Gophers, plagued by lack of height, are not wasting any time in meeting the best the Big Ten has to offer. They're slated to take on rugged, veteran-loaded Illinois in the conference opener here Jan. 5. That's even a couple days before winter quarter starts. Nine days later, they're playing at Ohio State.

Illinois and Ohio State, along with Gophers (who have their share of veteran talent, too) were pre-season choices to win the loop title.

But some consider Northwestern a darkhorse, now that they've shown some surprising talent in exhibition games. It may well be that the Wildcats will pick up in basketball where they left off in football: not good enough to win the title, but plenty good enough to spoil the chances of some of the favorites.

In December practice games, the Gophers found it rough going. After edging Vanderbilt here 63 to 60 in the opener, they took a brief Southern tour and lost a pair to Rice (79 to 74) and Southern Methodist, (91 to 84).

In evaluating the over-all play of the Gophers Coach Cowles feels that they are shooting well and that they are improved offensively over a year ago. He praises George Kline as "most improved" among the veterans. However, he feels that they are below their defensive play of last season. Says Cowles, "Our

biggest single problem is that of coping with a big man. In both the Rice and S.M.U. games their big center made the difference. This is going to be a problem for us all season. At 6-3 Jed Dommeyer, our center, just can't handle those big fellows."

In not quite such a pessimistic vein, Cowles makes this final observation: "On any given night this team will give any other outfit its size a real scrap."

Jed Dommeyer, last year's scoring leader, is off after the same laurels this season. He has 65 points and a 21.6 point-per-game average. He has been particularly deadly from the free-throw line with 23 conversions in 25 chances.

Gophers' Best Year Since 1941

The Golden Gophers, who turned in their best football season since 1941, rank third in the conference as their Cornhusker rival for the Rose Bowl meets Oregon State at Pasadena's New Year's festivities.

Leaving the team this year will

be Captain Dean Maas, Dick McNamara, Bob Hobert (recently named to Look Magazine's All-American team), Tom Juhl, Dave Meyers, Max Schmitt and Jerry Eisenberg.

The final Big Ten standings:

	CONFERENCE					ALL GAMES						
	W	L	T	Pct.	TP	OP	W	L	T	Pct.	TP	OP
Iowa	5	1	0	.833	88	44	8	1	0	.889	184	65
Michigan	5	2	0	.714	143	96	7	2	0	.778	233	123
Minnesota	4	1	2	.714	84	67	6	1	2	.778	127	87
Michigan State	4	2	0	.667	133	49	7	2	0	.778	239	87
Ohio State	4	2	0	.667	88	47	6	3	0	.667	160	81
Northwestern	3	3	1	.500	80	79	4	4	1	.500	107	112
Purdue	1	4	2	.286	95	101	3	4	2	.444	139	112
Illinois	1	4	2	.286	79	106	2	5	2	.333	124	154
Wisconsin	0	4	3	.214	46	116	1	5	3	.278	93	129
Indiana	1	5	0	.167	85	216	3	6	0	.333	129	263

(Ties count ½ games won and ½ lost)

JANUARY, 1957

U Wrestler Just Misses Olympic Competition

Dick Mueller, Minnesota's 123-pound wrestler, might have represented the U.S. in the Olympics. He had competed in the Olympic trials and was picked as an alternate on the grappling team, but for the first time in history, officials decided not to take the alternates on the trip.

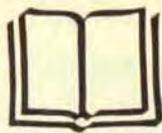
Dick doesn't mind too much because right now he's one of the busiest men on campus. In addition to adding his talents to the Gopher wrestling squad, Dick must support his wife and daughter while working on a degree in physical education.

Mueller started his career at Anoka High School. When his coaches there said he was too small for most sports, Dick turned to wrestling. After winning three state championships as a 112 and 120 pounder, Dick enrolled at Minnesota. Here he continued his winning ways as a sophomore by taking both the Big Ten and NCAA 123-pound titles in 1953.

MARCH OF DIMES



JANUARY 2-31



Books

The British Press Under Government Economic Controls, by J. Edward Gerald, Minneapolis, University of Minn. Press. 1956. \$4.50.

In this book, Dr. Gerald (journalism professor at the University) makes a detailed and scholarly study of the British press situation. His purpose is "to record the nature and the extent of the government controls, and to collect and analyze information with reference to the effect of these controls, and the general conditions accompanying them, on the press."

Prof. Gerald begins his work with a sagacious treatment of the theory underlying freedom of the press and economic control. He makes the Miltonic theory of competition of ideas his yard-stick, but he is wise enough to recognize the twentieth century as being significantly different from the age when Milton wrote that when truth meets falsehood "who ever knew the truth put to the worse in a free and open encounter?"

Dr. Gerald points out that business no longer is conducted "in accordance with the theory of competitive price in which small sellers and buyers, none of whom can control price, meet each other on terms fixed by the market." In short, the author is cognizant of the fact that modern society has learned to use both competition and official regulation in order to control quality, price and service when it goes to market.

The press, in Western democracies, at least, has managed to survive as somewhat of a vacuum in this age of welfare states, however, and Dr. Gerald writes because he is convinced that it should remain so. He is especially concerned with conditions in Great Britain because that nation has long provided the matrix of civil liberties. Economic control of the British press is of

signal importance to the free world, then.

The author tells how newsprint controls were initiated as Great Britain entered the dark days of World War II and then goes on to explain how shortages, the decline of the British dollar, the sudden severance of Lend-Lease, and the Korean war gave Parliament cause to extend the controls. Then Dr. Gerald shows the effect of those papers.

Throughout his writing Prof. Gerald takes an approach developed by outstanding historians of the past few decades — that is, he writes with calm objectivity and yet projects into the culture of the area and feeling of the times under study.

It is in this light that the author excuses the wartime controls but deplores the continuance of such controls into 1956.

Richard G. Gray '55 MA
PhD candidate '57

Morning Red, by Frederick Manfred, Allan Swallow, 1956. \$6.00

Frederick Manfred's new novel creates a charm in its very crudity. Manfred uses vivid penetrating style and brutal character to produce strong emotional reactions.

At first, readers are not apt to like self-coddled Jonathan Adrinham, Jr., or Liz, the country spinster, and even the gloss on "good man" Kurt Faber wears thin. But the reader gradually gains an understanding of each of them and the interweaving of their lives.

Kurt begins to fight suburban corruption in Upper Midland's Brokenhoe, through his voice, *The News*. But he finds his course personally dangerous, and he is left to fight the battle alone. Neither Kurt's publisher nor printer will support anti-corruption efforts.

In another world, almost, just 20

miles from Brokenhoe, Kurt's college friend, Jon Adringham, receives a letter—a returned manuscript. The one event at this certain time which can crush his spirit and disintegrate his character has occurred. And from then on, the pampered "rich boy" declines psychologically with each incident.

Manfred is able to keep his narrative fast-moving and forceful by his scene-changing technique. None of the flashes of different points of view are so long as to become boring, and each is labeled to facilitate the reader to adjust his focus. Counterpoint structure is produced by these quick changes of scene.

However, in the matter of plot and subplot, Manfred often stumbles or fails. In his attempt to be brutal at times he stoops to the theatrical devices.

Description is at a minimum in the novel, but what appears is memorable. For Upper Midwest readers, Manfred's descriptions of Minnehaha Falls, the Pipestone monument, and the "big wind" which lashed the Twin Cities several years ago, make the book worth reading for this alone. As one whose life path has duplicated Manfred's from "Siouxland" to the "Cities," this reviewer had the thrill of many familiar images described with more clarity than one would observe on the scene.

Those who realize the affiliations Manfred has had with certain Twin Cities colleges, will especially enjoy his composite Northland College. The Mall and Riverside Clinic will immediately strike alumni as parts of his school. On the other hand, the campus layout and such buildings as Old Main and Little Theater are borrowed from Macalester College.

As Feike Feikema, the author attended the University in 1948.

—Janet Shore '57

GOPHER GRAD

Around and About with the Alumni

'09

Walter M. Leuthold '09BA, vice president of the National Lumber Manufacturers' Ass'n, recently attended an international conference on lumber in Geneva, Switzerland.

'13

Elizabeth Carey '13MA, professor of English at Michigan State Normal college, retired recently after 43 years on the faculty. Prof. Carey, left her teaching post at MSNC during World War I to take a job with the federal government in Washington and to give educational aid to veterans in an Army hospital. She spent her two sabbatical leaves traveling in Europe, where she attended lectures at King's College, London, and at Cornell University where she did work toward a doctorate.

'20

Juan Orendain '18-20 was the special envoy of President Magsaysay of the Philippines to assist the Vietnamese Government in the writing of the Vietnamese constitution. He was also special representative, along with the vice president of the Philippines, at the proclamation of the constitution.

'25

Joseph P. Lushene '25BSCE recently was promoted to Captain at Fort Sill, Okla., where he is assigned to the Army's Guided Missile School.

'28

George E. Ferguson '28BCE has been named division hydrologist of the Water Resources division of the Geological Survey. Mr. Ferguson's entire career has been with the Survey, Department of Interior.

'29

Walter W. Matzke '29BME, currently in Thailand assisting the government railway in its modernization program, has been named assistant manager, technical services, of the National Malleable and Steel Casting Co. railway division. Mr. Matzke will begin his new duties when he completes his Thailand assignment.

'30

Dr. William C. Kay '30BChemE, who joined the engineering department of Du Pont Co. in 1934, recently was appointed assistant general manager of the company's Elastomer Chemicals department. Dr. Kay received his doctor's degree from Massachusetts Institute of Technology.

'33

Joseph R. Shoenig '33BEE has been appointed superintendent of maintenance, Hibbing-Chisholm district of U.S. Steel's Oliver Iron Mining division.

'35

Luke W. Corbett '35BChemE, a member of the American Chemical Society, recently joined the staff of Esso Research and Engineering Co. process research division.

'36

John H. Dow '31-36 has been appointed assistant manager of American Steel and Wire division's St. Paul district sales office.

Perry O. Hanson '37BA is director of UNICEF in the Philippines. He was in the States this summer for conferences with United Nations.

'38

Graham Hovey '38BA has taken a position as editorial writer for the Minneapolis Star and Tribune. Mr. Hovey was an associate professor of journalism at the University of Wisconsin.

'39

Edgar Crane '39BA won a \$4,000 Advanced Behavioral Scholarship at Stanford University.

'41

Dr. Merton P. Stoltz '34BBA, '41PhD, who taught for four years at the University, has been appointed chairman of the economics department at Brown University. Dr. Stoltz joined the Brown faculty as an assistant professor in 1940 and was made a full professor in 1950.

Ted B. Peterson '41BA received a PhD degree from the University of Illinois and promotion to associate professor of journalism there.

Edward J. Morrison '41BA has been named first vice president of Minnesota Editorial Association.

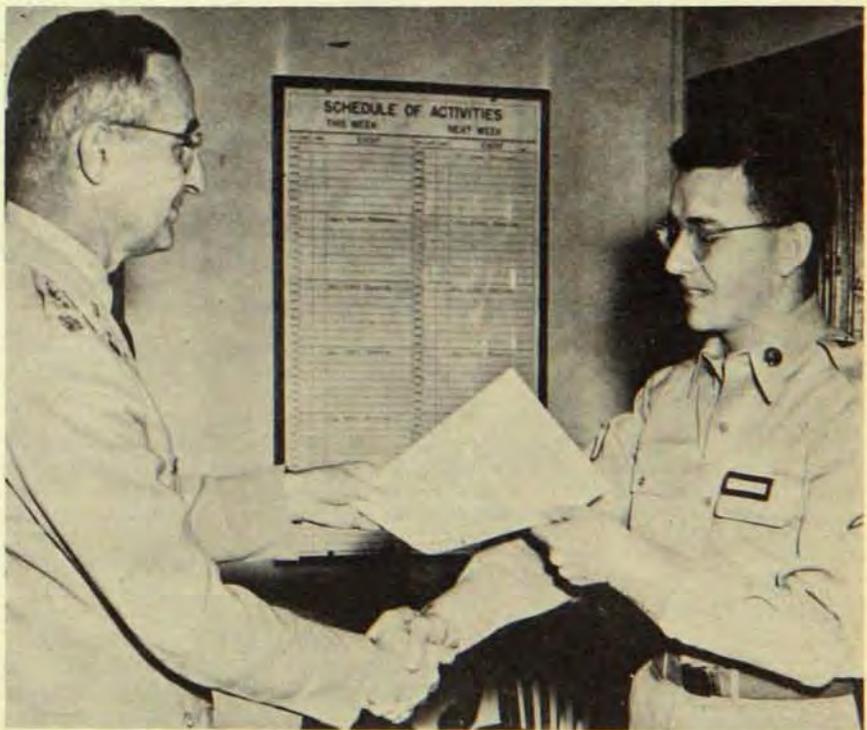
'42

A. Herbert Axelson '42BCE, member of the Minnesota Society for Professional Engineers and the American Institute of Mining and Metallurgical Engineers, recently was named an assistant manager-mining engineering for U.S. Steel's Oliver Iron Mining Division, Duluth.

'43

O. G. Specht '43MMetE has been appointed Detroit district manager for Electro Metallurgical Co.

Army Capt. Lyle R. Larson '43-44 is now assigned to the 4th Antiaircraft Artillery Group at Ladd Air Force Base, Alaska.



PFC Don A. Kramer (right) '53BEE of Lucon, Minn., receives congratulations and a letter of appreciation at Aberdeen Proving Ground, Md., from Lt. Col. Henry H. Rankin, acting executive officer of the Ordnance School. Kramer was commended for outstanding service as an instructor at the school.

ALUMNI

'47

Donald E. Sullivan '47BA has been named Dean of Men at Iowa Wesleyan College. He will also continue as assistant professor of psychology. Dean Sullivan joined the staff at Wesleyan in 1954.

Harry W. Nordstrom '47BA last spring received a Master of Music degree from the University of Rochester, New York.

T. L. Jordan '47ALA has been named pension consultant for Northwest Territory of Continental Assurance Co., St. Paul.

'48

Jerry Kolander '46BA, '48LLB, former staff member of the Amarillo, Tex., Globe-News, and Potter County (Tex.) attorney, recently was appointed judge of Potter County Court of Domestic Relations.

Easy Pickin's

Gopher alumni who get as far south as Orlando, Florida, will find that Fruitgrower Herb Benson '25BSBus, has a banana tree in his orchard from which only alumni can pick fruit.

Herb invites any and all alumni going south to stop in and exchange stories on University days.

Henry William Schulz '48BA was graduated this spring from the American Institute of Foreign Trade at Thunderbird Field, Phoenix, Ariz. Schulz, who also studied at the Sorbonne and Alliance Francaise at Paris, and McGill University at Montreal, has taken the school's intensive training course in preparation for a career in American business or government abroad.

John C. Obert '48BA has won a 1956-57 Nieman fellowship to study at Harvard University.

Capt. Harry P. Schoen '48BBA last spring graduated from the Command and General Staff College, Fort Leavenworth, Kan.

Bob Eddy '48MA has won a Reid Foundation Fellowship to study in Europe.

'49

Robert G. Knox '49BBA recently was appointed supervisor, cost section-accounting department, for Eastern District operations of U.S. Steel's Oliver Iron Mining division.

Lee N. Mooers '49BEE recently was

appointed division master mechanic, wire and products maintenance, at the Duluth works of the U.S. Steel's American Steel and Wire division.

Bruno Scipioni '49BMinE has been appointed assistant chief mining engineer, Eastern district of U.S. Steel's Oliver Iron Mining division.

William Dolman Kendall '49BA last spring received a Master of Education degree from the University of Arizona, Tucson.

Milton G. Bienhoff '49BEE recently joined the Electronic Instrumentation Division, Ramo-Wouldridge Corp., Los Angeles, Calif.

W. E. Kirkwood '49BA has been promoted from Assistant Division Credit Manager of Kaiser Aluminum and Chemical Sales, to divisional credit manager of the Cleveland division.

Everette Charles Olson '49BS last spring received a Master of Science degree from the University of Pittsburgh.

James Orlynn Bremseth '49BA this June received the master of hospital administration from Washington University, St. Louis.

'50

Charles G. Cleaver '50MA, formerly an instructor at the University, Hanover College in Indiana and the University of Cincinnati, was recently appointed assistant professor of English at Grinnell College, Grinnell, Iowa.

Capt. George C. Hagedorn '50MSCE last spring received a Master of Science degree from Rensselaer Polytechnic Institute, Troy, New York.

Robert H. Moen '50BChemE, a member of the American Institute of Chemical Engineers, has joined the staff of the Esso Research and Engineering Co.'s petroleum development division.

Henry E. Hennis '50BCh was recently assigned to the Aromatics laboratory of Dow Chemical Co.

Peter Berg Bly '50BSEd has joined the Sparta, Mich., agency of Lutheran Brotherhood, fraternal life insurance society. Mr. Bly has a long and distinguished record in the Marine Corps, serving 12 years and attaining the rank of captain.

'51

Dr. Norman H. Russell '51PhD recently was named associate professor of biology at Grinnell College.

Charles B. Livingston '51BS recently joined the DuPont Engineering department. Mr. Livingston, who now resides in Wilmington, Del., received an MS degree from Northwestern University.

'52

Richard J. Medalie '52BA has been elected to the Harvard Law Review, the first law school journal of its kind.

Cpl. Ralph N. Mendelson '52BA recently was graduated from the Armored Replacement Training Center's Clerical school at Fort Knox, Ky.

Pvt. Norman T. Shaft '52BSL '55LLB '55BA recently was graduated from the Armored Replacement Training Center's Clerical school at Fort Knox, Ky.

Miss Eleanor E. Galchutt '52BSEd, Minneapolis, is now in Germany acting as a service club recreation director with the Army's Special Services staff.

John William Lawrow '52MS last spring received the Doctor of Medicine degree from State University of New York. He will intern at Buffalo General Hospital.

George Nomicos '52MSCE recently received the doctor of philosophy degree from the California Institute of Technology.

Charles C. Spencer '52BA recently received a doctor of medicine degree from Ohio State University.

Edwin Charles Sanford '52BA entered McCormick Theological Seminary this fall.

William O. Keale '52BA received a bachelor of divinity degree this June from Drew University, Madison, New Jersey.

'53

James K. Heid '51BS '53MD, was recently promoted to rank of captain in the United States Army. Captain Heid is a surgeon in the regiment's Medical co.

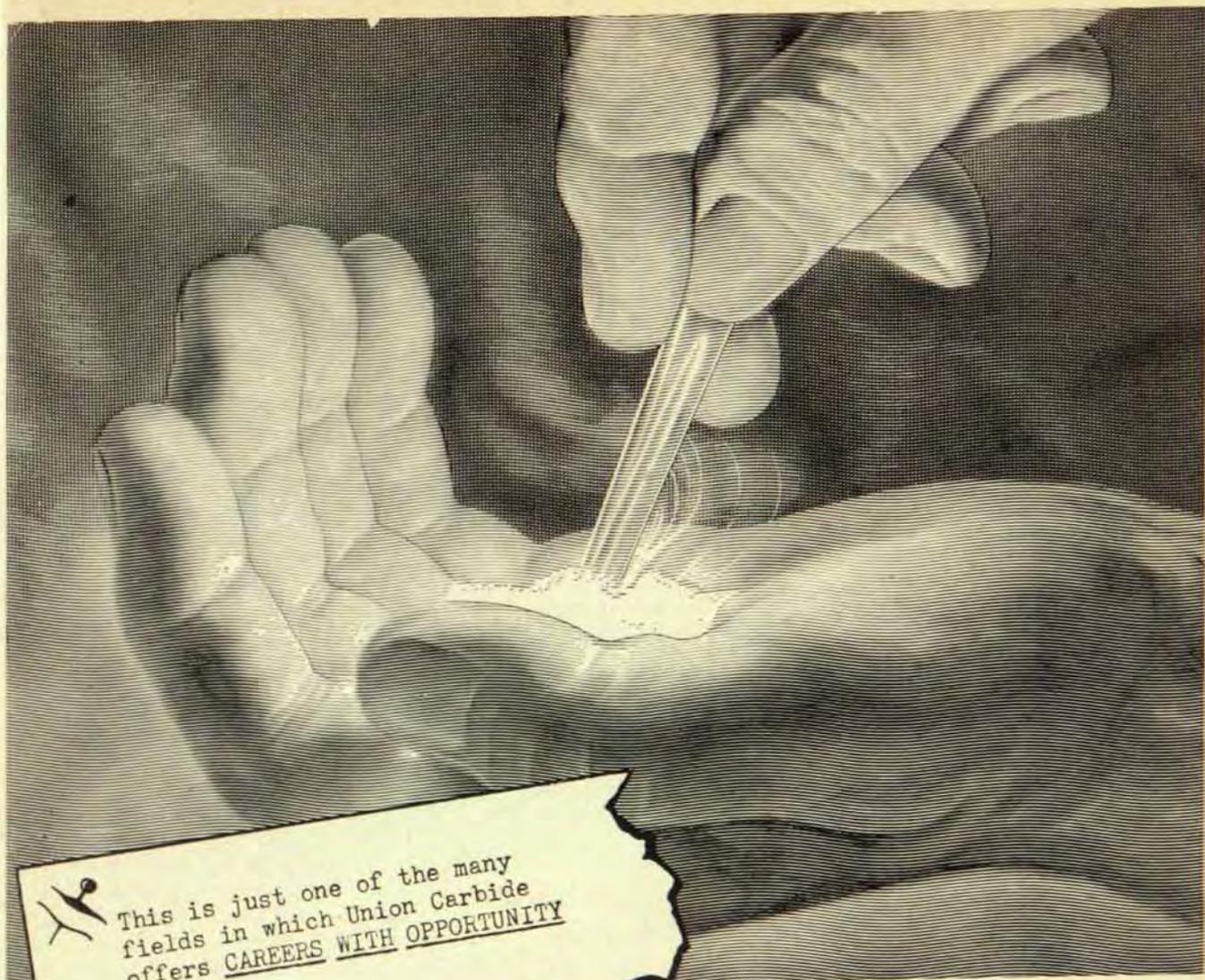
Charles Reilly Goswitz '53LLB last spring received a Master of Arts degree from the University of Arizona, Tucson.

Kenneth Dewayne Grosse '53BAAGe, a member of the American Society of Agricultural Engineers and Alpha Gamma Rho fraternity, has been appointed a trainee in the export sales division of Caterpillar Tractor Co., Peoria, Ill.

'54

Myron G. Anderson '54MA, graduated from the University Phi Beta Kappa and Summa Cum Laude, has been appointed instructor of philosophy at Trinity college, Hartford, Conn. Since his graduation from the U. Mr. Anderson has studied on a teaching fellowship at Brown university and was named a Fellow there in 1955.

Paul Peterson '54MA has been named acting chairman of the journalism department at the University of Omaha.



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Robert L. Korsch '54BA this June received a Master of Science degree from Lehigh University, Bethlehem, Pa.

'55

2nd Lt. James A. Peterson '55BBA recently was graduated from the Army's Antiaircraft Artillery and Guided Missile School at Fort Bliss, Tex.

2nd Lt. Robert R. McKenzie '55BA graduated sixth in a class of 31 from the Surface to Air Missile Officers Basic Course No. 8.

2nd Lt. Bruce D. Anderson '55BSEd graduated seventh in a class of 39 students from the Surface to Air Missile Officer Basic Course No. 9.

Pvt. Alvin G. Hilde, Jr. '55BBA recently completed the dental chair assistant course at the Army Medical Service School, Fort Sam Houston, Tex.

Navy Ens. John G. Reeder '55BA qualified recently as a carrier pilot. To qualify he completed six landings aboard the light aircraft carrier USS Saipan in the Gulf of Mexico.

'38 Grad Named Research Associate

Louis I. Hansen '38PhD, formerly a member of the research staffs of Sinclair Oil & Refining Co. and Firestone Tire and Rubber Co., recently was named senior research associate of Archer-Daniels-Midland Co., Minneapolis. Mr. Hansen joined the company in 1942 and most recently was research supervisor.



Louis Hansen

Grace Ellarene Billings '55BA, and Katharine Watson Hornberger '55BA, received Master of Arts degrees this June from Radcliffe college.

Peter von Eschen '55BA, now a 2nd Lt. in the Marine Corps, recently completed "Naval Justice" school from which he was graduated with honors and high distinction.

Army 2nd Lt. Lyle W. Anderson '55BPhm, in civilian life a pharmacist for St. Croix Drug Co., Stillwater, is now a member of the staff at Brooks Army hospital, Fort Sam Houston, Tex.

'56

2nd Lt. Robert M. Kalb '56BBA graduated sixth in a class of 25 this summer from the AAA Officer Basic Course No. 14.

Alumnus Appointed Chief Engineer of Firm

Howard J. Seel '36BME has been appointed chief engineer of the Cleveland division of Harris-Seybold Co., one of the nation's largest manufacturers of printing equipment and supplies. In his new assignment, Mr. Seel will be responsible for product development, engineering and final testing at the Cleveland plant.



Howard J. Seel

2nd Lt. Richard A. Buro '56BSEd recently became assistant chief engineer of U.S. Steel's Oliver Iron Mining division, Duluth. Mr. Burton, a member of the American Society of Automotive Engineers, was superintendent of maintenance in Oliver's Hibbing-Chisholm District before taking his new post.

Robin Pearsall Hoople, who took work toward his PhD at the University, this fall joined the faculty of Iowa Wesleyan College.

Army Lt. Royal C. Hayden, Jr. '56MD recently began his internship in medicine at Fitzsimons Army hospital, Denver.

Lutheran Brotherhood Appoints Alumnus

Marlin Retrum, 41BBA, Minneapolis, has been appointed a representative of Lutheran Brotherhood, it announced by Stanley Tollefson, home general agent.

A native of Rolette, N.D., he served three and one half years in the quartermaster corps, U.S. Army.

From 1953 to 1955 Retrum was employed as a salesman for the Lustra Corporation of America in Brooklyn, N.Y. Prior to that he was an accountant for Cargill, Inc., in Minneapolis from 1947 to 1953.

With over \$712 million of life insurance in force, Lutheran Brotherhood is the nation's second largest fraternal life insurance society. The society's quarter-million-dollar benevolence budget this year includes 138 scholarships to Lutheran colleges and seminaries, as well as grants to local branches for youth work and other church-related activities.

Alumnus Donates \$1,000 Creative Writing Scholarship

A \$1,000 scholarship in creative writing, named for its donor, John R. Shuman '32BA, has been established at the University by Delta Lambda, national honor society.

The scholarship will be awarded in March, 1957, to a senior at the University for a section of an unfinished novel and an outline for its completion. Candidates must submit 5,000 to 15,000 words of an unfinished novel by Feb. 17.

The scholarship is the largest of its kind at Minnesota.

3M Promotes Grad At Hastings Plant

Minnesota Mining & Manufacturing Co. has announced the promotion of Robert A. Helvig to general superintendent of reflective products manufacturing at 3M's Hastings, Minn., plant.

Helvig will be responsible for factory costs, production schedules, process and quality standards.

Helvig received his bachelor of chemical engineering degree in 1943 and a bachelor of business administration degree in 1950 from the University of Minnesota.

Join MARCH OF DIMES

"Remember
Me"

GOPHER GRAD

Deaths

George B. Leonard '96LLB, Minneapolis attorney and prominent figure in Minnesota liberal politics and formerly a Regent of the University of Minnesota, this fall during a speech at an anniversary dinner of the First Unitarian Society of Minneapolis.

Ethel S. Graves '98BL, a St. Paul Humboldt high school teacher for more than 40 years, recently in California.

Mrs. Vesta Cornish Armstrong '02, author of "The Romance of Minnesota" last August in Mankato.

Albert Stamm '05LLB this November at Pasadena, Calif.

Rep. Leo D. Madden '06 PhmC, Eyota farmer and state representative from Olmsted county for 10 years, in a Rochester hospital after a long illness. Mr. Madden operated a drug store in Minneapolis until 1919. In 1923 he returned to the farm where he was raised, and operated that up to the time of his death.

Dr. Ewing C. McBeath '10DDS, '19BS, '20MB, '21MD, professor emeritus of dentistry at Columbia University School of Oral and Dental Surgery this November. Dr. McBeath had done much research on the connection between diet and dental decay, with special attention to the effect of Vitamin D on dental decay.

Ernest Conrad Carlton '09PhD in DeLand, Florida, a year ago June.

Mary Ruth Colby '17BA, of Minneapolis.

Herbert Andrew Kroeze '19BSE, of Jackson, Miss.

Elizabeth Mary Lynskey '20MA, of New York City.

Dr. Harold E. McIntre '21DDS, of Hutchinson, Minn.

Beatrice Johnson Hannah '21BA, '31-MA, '42PhD last spring. Mrs. Hannah was professor of French and comparative literature at Rockford college, Rockford, Ill. She is survived by her husband.

Norman E. Mudge '22LLB, vice president and senior trust officer of the Citizen's National Bank Main Branch, Los Angeles, last August. He was past president of Delta Chi fraternity. Survivors include his wife, a daughter, a sister, and three grandchildren.

George Lester Martin '23MS, of Greenwood, Minn.

Meyer S. Levitt '27-29, chairman of the Iowa Governor's commission to study discrimination in employment, this November in Minneapolis. Survivors include his parents and a brother.

Raymond Lindsay '27-29, manager of the Twin Cities office of Container Corporation of America, by drowning in a storm at Pelican lake, near Orr, Minn., this fall.

Dr. Harold M. Barnett '31PhD, Long Beach, Calif., businessman who pioneered in vitamin A enrichment of foods, in Long Beach early this year. He was owner-manager of Barnett laboratories, Long Beach. Survivors include his wife, his mother and two sons.

Frank Lloyd Richardson '37MD, of Vancouver, Wash. last year.

Dr. J. C. Jacobson '37MD, of Santa Cruz, Calif., a year ago.

Dr. Lorne Alexander Campbell, Jr. '39MD, of Cleveland, Ohio.

Burton Thane Collins '40MS, of Eureka, Utah.

Dr. Ralph H. Larson '41MD this fall by drowning. Dr. Larson had practiced medicine in Anoka since 1947, and owned the Larson clinic there. He was also a staff member at Asbury Methodist hospital. Survivors include his wife, a son and his father.

Margaret Sullivan '41BSEd, a year ago December.

Mrs. Seth E. Gordon, Jr. (Audrey Nelson) '42GN, of Minneapolis, in May of this year.

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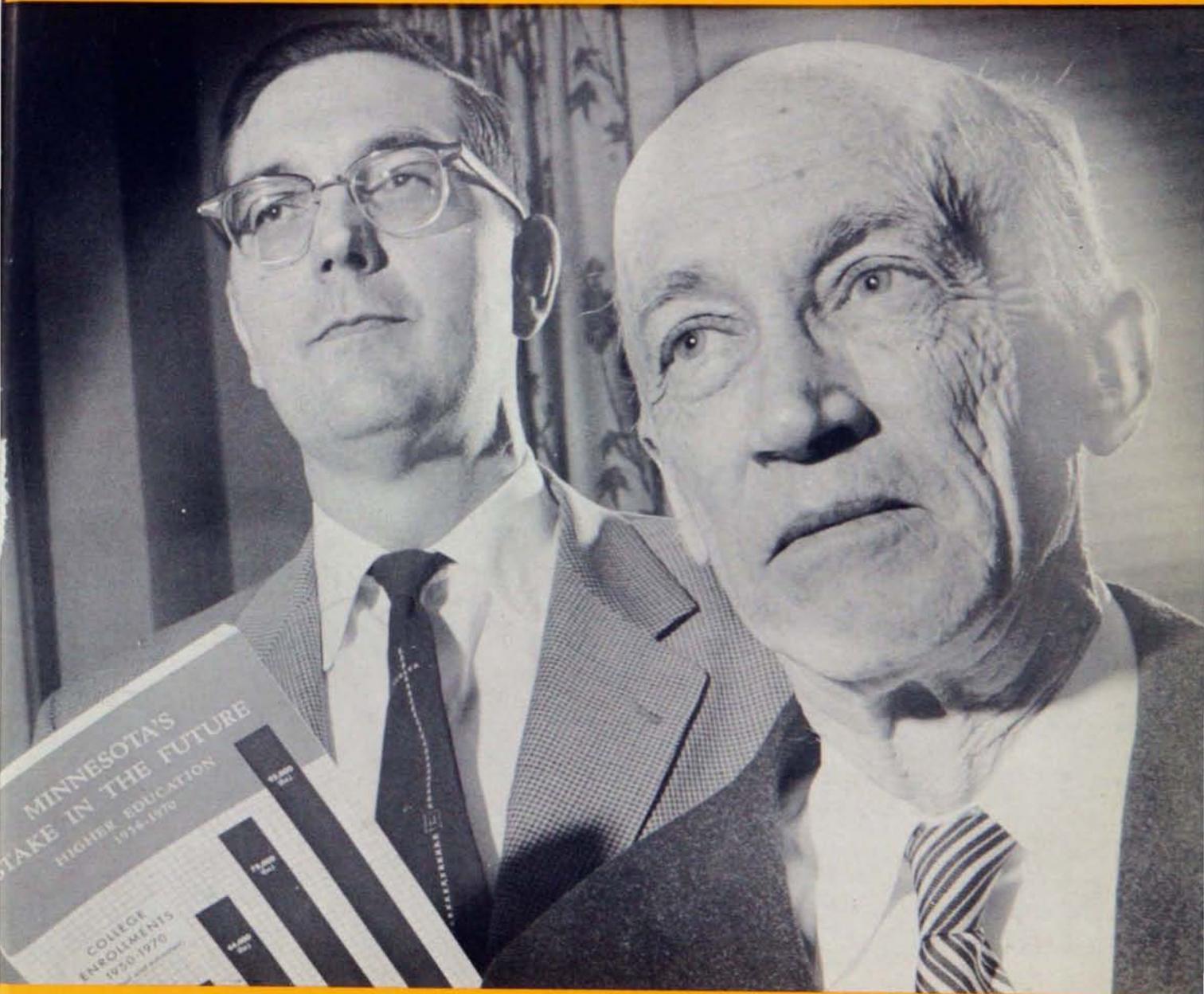
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FEBRUARY 1957

GOPHER GRAD

(Our 56th Year)

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JUANITA PACIFICO OPSTEIN '47BA.....*Editor*
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In This Issue

	Page
STAKE IN THE FUTURE.....	5
UNIVERSITY LEGISLATIVE REQUESTS.....	9
BRATTAIN WINS NOBEL PRIZE.....	11
UNDERSTANDING ASIANS IMPERATIVE.....	12
TOMORROW'S SCHOOL PROBLEM.....	15
THE GOOD GREEKS.....	18
HEIGHT CRUSHES CAGER HOPES.....	29

NEWS SECTIONS

Association-Clubs.....	22	Sports.....	29
On the Campus.....	24	Alumni.....	31

DEPARTMENTS

Back Talk.....	3	Summa Cum Laude.....	20
Editorial.....	8	Books.....	28

Picture Story

When Sam Gale, consultant to General Mills and a guiding hand in bettering state education, turned in the higher education report requested by Gov. Orville Freeman, he wrote: "Our conclusions and recommenda-



tions reflect both appreciation and concern for higher education." Gale (right), chairman of the state committee to review present and future needs in this field, was assisted by Dr. Robert J. Keller of the University's department of education. Underlying all

factors for the special, immediate interest in education was the committee's simple but significant statement: Minnesota is on the move. What this statement implies can be found on page 5 in a condensed report of the committee's findings. (Photo by Dan Perlmutter)

Views of authors appearing in Gopher Grad in no way reflect the opinions of the MAA or the Gopher Grad.

GOPHER GRAD

BACK TALK

St. Louis Officers Cited

Ed:

Many thanks for the write-up you gave the St. Louis club through your "Friends In Deed" article in your December issue of Gopher Grad.

The ideas we had were all worked out by the entire board. Thus, special recognition should go to our president, Al Waldvogel '46BME; our vice president and his wife, Mr. and Mrs. Howard Nordquist (Howard graduated as a mechanical engineer in '38), and to Mrs. Norris Johnson '35BA '36BS.

Their collective wits and hard work have made the program what it is.

Dawes Potter '42BA

(Mr. Potter is the former president of the St. Louis club — Editor).

State Universities Praised By UCLA Chancellor Allen

Ed:

I am delighted that a southern California chapter is being formed.

I am extremely proud of being a Minnesota graduate and mention my life in Minnesota on every possible occasion because I know that if I had not been admitted at Minnesota and had to go to a more expensive school, the chances are that I would never have gotten a university education.

I suspect that I am still in state university work because I feel that the labors of the state university are among the most important foundations for future security of the nation, a security which derives from creative resources of youth as they mature and build their lives into the society which gives the university life.

Higher education for all qualified students would be a myth if

the country had to depend upon nonpublicly supported institutions, fine as they are and important as they are among the systems of higher education with which the country is so fortunately endowed.

R. B. Allen '24BS, '25MA, '28MB, '28MD, '34PhD

(Thanks to Dorothy McNeill '45-BS for pointing out that Dr. Allen is a UCLAN — Editor).

Western-style Hospitality

Ed:

It was nice to read in the current issue of the Gopher Grad that the

class of 1920 rated second and only 1.5 percent below the leader — the class of 1920.

By the way, will you please tell Minnesota grads going east or west on U.S. highway No. 80 that it's about time they stopped in. They not only go through Gila Bend, but right past our front door!

Amy and Oliver Guilbert '20BS
Gila Bend, Arizona

(According to the Guilberts (and Mrs. G is a grad, too), Gila Bend has "four first rate motels and at least three good dining rooms." For a view of the Guilbert establishment, see the section concerning notes of alumni activities — Editor).

Announcing

TWO NEW HOME STUDY COURSES

by

Prof. Emeritus Harold S. Quigley

- Japanese Government and Politics
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Prof. Quigley is an outstanding authority and scholar in political affairs of the Far East. Present world tension makes the courses exceptionally appropriate at this time.

For additional information or Correspondence Study Bulletin L write to:

**UNIVERSITY OF MINNESOTA
CORRESPONDENCE STUDY DEPARTMENT
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Meet Bill Hancock

Western Electric development engineer



Bill Hancock is a graduate of Pennsylvania State University where he majored in industrial engineering. Bill joined Western Electric as a planning engineer in November, 1951, at the Kearny Works in New Jersey. Later, he was assigned to the new Merrimack Valley Works in North Andover, Massachusetts, as a development engineer. Here Bill is shown leaving his attractive New England home for his office while his wife, Barbara, and their daughter, Blair, watch.



Bill's present assignment at Western Electric: the development of methods and machinery for assembling one of today's most promising electronic developments—electronic "packages" involving printed wiring. At a product review conference Bill (standing) discusses his ideas on printed wiring assemblies with fellow engineers.



Bill and his supervisor, John Souter, test a machine they developed to insert components of different shapes and sizes into printed wiring boards. The small electronic packages prepared by this machine are being used in a new transistorized carrier system for rural telephone lines.



Sailing off the north shore of Massachusetts is one of Bill's favorite sports. He also enjoys the golf courses and ski runs within an easy drive from where he lives and works.

Engineers: Western Electric offers you a wide variety of interesting, *creative* opportunities. It makes no difference what your field of specialization is. You can fit—now—into our operation as the manufacturing and supply unit of the Bell System . . . or into our defense job. A free booklet—"Your Opportunity at Western Electric"—outlines company operations and specific job opportunities in detail. Send for it. Write to: College Relations Department, Room 1040, Western Electric Company, 195 Broadway, New York 7, N. Y.

Western Electric

MANUFACTURING AND SUPPLY

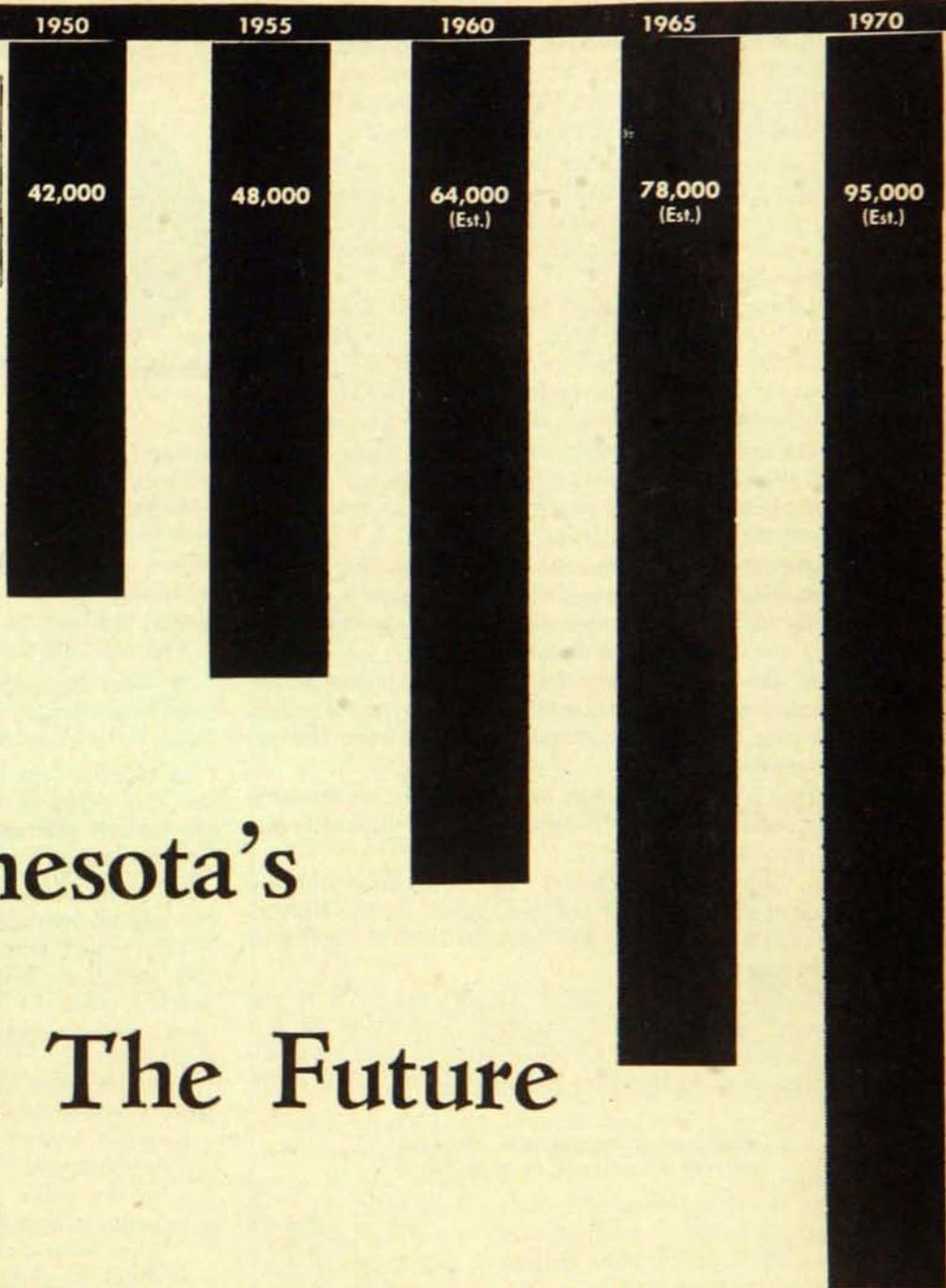


UNIT OF THE BELL SYSTEM

Manufacturing plants in Chicago, Ill.; Kearny, N. J.; Baltimore, Md.; Indianapolis, Ind.; Allentown and Laureldale, Pa.; Burlington, Greensboro and Winston-Salem, N. C.; Buffalo, N. Y.; Haverhill and Lawrence, Mass.; Lincoln, Neb.; St. Paul and Duluth, Minn. Distributing Centers in 30 cities and Installation headquarters in 16 cities. Also, Teletype Corporation, Chicago 14, Illinois.

COLLEGE ENROLLMENTS 1950-1970

(Actual and estimated)



Minnesota's Stake In The Future

An economic analysis of Minnesota in 1944 concluded that the most outstanding and valuable asset of the state was the "character and caliber of its people."

A U. S. survey in 1950 showed that Minnesotans ranked first in the nation in the armed forces' educational and intellectual qualification test.

But — this leadership cannot be maintained unless the University of Minnesota begins an immediate expansion program. A total of 25,307 full-time students were enrolled at the University in 1956. Estimates reveal 47,000 will be asking for admission in 1970.

Enrollment is expected to reach 31,800 in 1960 and 38,900 in 1965.

A report by the Governor's Committee on Higher Education declares that the "first essential in the public interest of the state and its citizens is to main-

tain the preeminent position which the University or

From the Editors

This condensed report of the Governor's Committee on Higher Education presents those parts of the study of particular significance to the University. The complete report, which presents the total educational picture in Minnesota, is a monumental study of far-reaching importance. We urge alumni to read it in its entirety. Copies can be obtained from the State Department of Education, Dean M. Schweickhard, Commissioner, 301 State Office Building, St. Paul 1, Minnesota. Graphs reprinted here were prepared by John O'Leary.

Minnesota has achieved in the fields of instruction, research and service.

"This will inevitably call for great expansion of the University's program in the decades ahead.

"The demand for those trained in the professions, including those in agricultural fields, the technological sciences and for teaching at the collegiate and university levels is bound to increase tremendously in the foreseeable future."

The committee, headed by Samuel C. Gale '17BA, consultant to General Mills, said that it could see no possibility of any (enrollment) relief to the growing pressures upon the University at the upper collegiate, professional and graduate levels. The report added:

"The only possible relief can be at the lower division level where the expansion of junior colleges and the strengthening of other four-year programs would provide some measure of help."

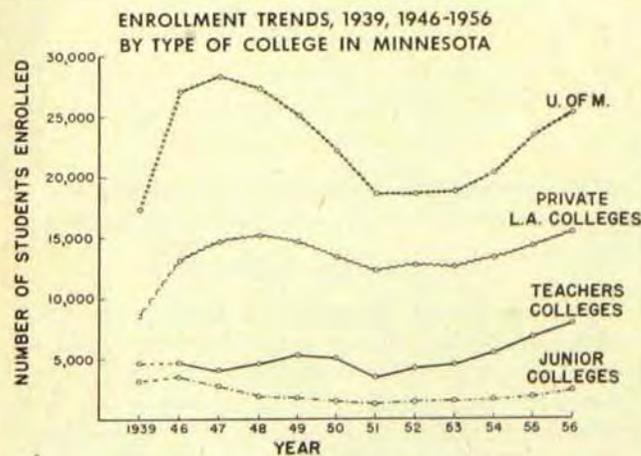
However, the committee emphasized that enrollment relief at the lower division level would only be significant if public junior colleges were established in the Twin Cities or suburban areas.

On the other hand, the committee rejected the alternative which would establish "new types of public four-year colleges to assume functions of the University, and said:

"This . . . would result in unnecessary, undesirable and probably expensive duplications of present facilities and functions."

In view of these factors, the committee said the needs of the University are "very great" for the University will have to carry the heaviest load of enrollment in the state.

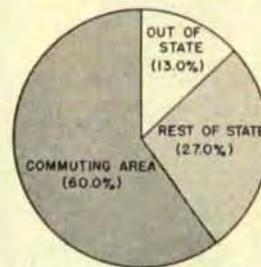
The 98-page report, titled "Minnesota's Stake in the Future," praised the "competent leadership of the Board of Regents and Administration of the University of Minnesota in fulfilling its threefold functions of in-



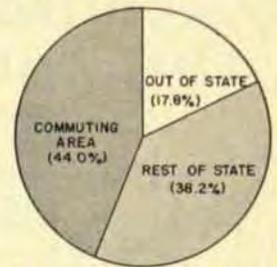
struction, research and service to the people of the state.

" . . . The people of the state also very properly look to the University for public service and productive

GEOGRAPHIC SOURCE OF STUDENTS ATTENDING MINNESOTA COLLEGES AND UNIVERSITIES, FALL, 1956



UNIVERSITY OF MINNESOTA



ALL MINNESOTA COLLEGES

research, functions which somehow need to be carried forward despite the ever-rising instructional load."

According to the findings of the study, the supply of college teachers is "far from sufficient." At present, the report said, Minnesota is losing more teachers than it is training and many more than have been willing to accept teaching positions.

The committee concluded:

- That impending shortage of college teachers is only beginning to become apparent and very little is being done about this matter;

- That college faculty salaries are generally below those of other professions, to the point where it is particularly difficult to obtain faculties for some professional schools;

- That financial rewards for teaching must be brought in line with those of other professions.

The report maintained that not only will higher educational facilities and programs have to be "expanded greatly" during the next 15 years, but also "some changes would be required to meet the growing challenge."

The committee arrived at specific recommendations guided by five basic principles:

1. Work toward equality of higher educational opportunity for youth in all parts of the State. (One of the major barriers to college attendance appears to be related to the distance that the youth lives from a college).
2. Work toward an equitable distribution of the financial burden involved.
3. Secure effective returns from every dollar of public funds devoted to higher education.
4. Preserve and strengthen in every possible way the public and private institutions that now exist.
5. Preserve the University with its high level of attainment as a national leader among institutions of higher learning and research.

In citing the University's performance in its threefold function of instruction, research and service, the committee noted that without research, particularly, "Minnesota would be a much different state than it is today."

While recognizing the national and international value of such research that led to the first isolation of

Song of the Future:

"There'll be some changes made"



The University, to maintain its "preeminent position", faces "great expansion . . . in decades ahead."

uranium 235 to help unlock secrets of atomic energy, the report emphasized that research has given Minnesota itself more "knowledge, health and wealth."

The role of taconite in building the state's economy and giving thousands employment, the benefits of agriculture through better plant and livestock breeding, and animal disease control along with a host of other discoveries were praised as having made Minnesota a better place to live.

To insure continued leadership of this type, the committee offered this recommendation:

Expenditure of State funds for research and for instruction at the graduate level and in advanced professional and technical fields should be limited to the University of Minnesota. The University of Minnesota should remain the sole public institution of higher education offering advanced professional training in engineering, law, education, medicine, dentistry, agriculture, social work, journalism, pharmacy, forestry, metallurgy and related fields. Graduate study as such should be under the jurisdiction of the University.

In presenting the general state educational outlook, the report said that "Minnesota is on the move."

In the present birth and migration pattern, there are three million more Minnesotans to come;

The state is moving from an agricultural to an increasingly industrial society;

Scientists, engineers and skilled technicians are in demand;

Education for rural youth is a pressing problem;

Ninety thousand at least may be in college by 1970, and 50,000 are in school today.

Of the 50,000 students in college, more than one-half are studying in the University.

Assisting Gale on the Governor's Committee were Judge William D. Gunn, Harry J. Harwick, Frank Mancina, Mrs. Enok Mortensen, and Elmer M. Weltzin 1928-29, secretary ex officio.

Professional director of the project was Dr. Robert J. Keller '40MA '47PhD, head of University high school and professor in the college of education. Mary Corcoran of institutional research and Dr. John E. Stecklein, director of the bureau of institutional research, worked with Dr. Keller.

FEBRUARY, 1957

Citizens Ask Crookston U Branch

A proposal to add a two-year college level of instruction to the University's Northwest School of Agriculture was revealed to the Board of Regents in its meeting in mid-January.

Regent Herman F. Skyberg of Fisher (near Crookston) showed the board a letter suggesting the University decentralize "instead of continuing to expand on metropolitan campuses."

"My thought," commented University President J. L. Morrill, "was that the university should not establish junior colleges under its own wing and at its own expense.

"The big question before us, if this crystallizes, will be: Do the regents wish to accept the idea of establishing junior college branches?"

The words "junior college" were conspicuously absent from the Crookston area proposal.

The letter, sent to Skyberg from the newly formed Northwest Educational Improvement Assn., suggested the board "consider making the following changes" in the northwest branch:

- That the high school level program of the institution be augmented by adding a two-year university level program. The school would continue as a branch of the University.

- That the experimental and adult education service be improved and expanded "to give even greater service to the agricultural interests of northwestern Minnesota."

The letter states: "For over 50 years the school has followed, basically, the program that was set up under conditions which have changed considerably over the years.

"It was founded as a boarding school to residents of the area who could not otherwise secure a high school education which included training for a future on the farm."

"It was set up to furnish a six-month program so that students could be at home in the spring and fall to assist with the farm work which at that time was largely hand labor."

The letter argues that at present nearly all high schools in the area have complete courses in vocational agriculture and home economics. It also says northwestern Minnesota does not have a college level institution.

It also recommends that the first two years of liberal arts "should be made available so that students of the area might take their first two years of college near home."

President J. L. Morrill at a press conference after the Regent's meeting commented on the "decentralization" suggestion.

"If by 'decentralization' one would mean moving the elements of St. Paul campus somewhere else, that would be unwise, costly and not a sound move at all."

However, President Morrill said he would favor additions to already existing facilities.

The Minneapolis campus is space-bound and to meet increasing enrollments

facts and opinions from the alumni secretary

Land Across the River Is Needed

Dear Gopher Grad:

The Regents of the University are asking the State Legislature to appropriate more than 21 million dollars for land and buildings. The money will be used to construct new buildings, remodel and rehabilitate present buildings and buy land on all three campuses — Minneapolis, St. Paul and Duluth. A part of this request, \$1,905,750, is earmarked for acquisition of 17½ acres (about seven city blocks) on the west side of the Mississippi — just across from the present Minneapolis campus.

Since the announcement, my office has received a number of calls from interested alumni asking for additional information on the projected move. The facts are these:

Last April the University, by request, presented their needs for the *next fourteen years* to the Legislative Interim Commission on State Buildings. The University's request of 128-million dollars was based upon an exhaustive study representing thousands of staff hours of research and analysis of present facilities and future needs. The whole study was based upon a statistical projection of student enrollment year by year to 1970. It indicates 47,000 students by 1970 — 38,681 of them on the Minneapolis campus.

The study was based upon the following assumptions:

- The University will continue to take care of about 50% of the students in the state going into higher education.

- No major changes in curricula will be planned except for necessary adjustments.

- Research facilities are accounted for in direct proportion to the expansion of Graduate school instruction.

- Colleges and schools of the University will remain in their present locations.

- All campuses will expand, *but especially the Minneapolis campus which is space-bound.*

According to estimates for the Minneapolis campus, an additional 31 buildings the size of

Ford Hall will be needed by 1970. These would be instructional buildings and *would not* include dormitories, hospital, health service, or physical education facilities.

Actually, available sites on the Minneapolis campus will take care of only half the additional buildings needed.

Space needs of the Minneapolis campus have been recognized for some time. In 1954 the staff members of the department of Architecture worked on a year long study of the Minneapolis campus space needs. They came up with some very interesting solutions — one being the expansion into the Riverside area.

From the standpoint of physical planning, the important aspects were to utilize existing facilities to maximum effect and to effect the expansion as economically as possible. These aims had to be accomplished without impairing the usefulness of existing instructional and housing areas, otherwise the problem would become even more complex.

In the present study the four expansion areas considered are:

- the Cleveland-Larpenteur area of the St. Paul campus
- the Motley school neighborhood
- the Marshall high school neighborhood
- the Riverside area

The Cleveland-Larpenteur area can be served by the St. Paul power plant, but it would necessitate completely new physical education activity facilities which are inadequate or non-existent on the St. Paul campus. Also, the area is now used for important agricultural experimentation and research, the instructional phases of which cannot be transferred to a remote location. Finally, the commuting problem for both students and staff would be greatly complicated, because the undergraduate work offered would have its laboratory courses scheduled for the most part in existing space on the Minneapolis Campus.

The Motley and Marshall School neighborhoods now provide the housing areas for most of the students and staff, within walking distance

(Continued on page 10)

For buildings...

hospitals...

research



*A capsuled report on Pres. Morrill's
meeting with state lawmakers—*

University Legislative Requests

When Pres. J. L. Morrill appeared before the Appropriations Committee of the House and the Finance Committee of the Senate, he presented to state lawmakers a four-part University request as follows:

- \$21,281,979 for new buildings, rehabilitation and remodeling of present buildings and the purchase of land needed for expansion;

- \$7,887,291 toward the cost of maintaining and operating the University hospitals during the next two years;

- \$3,323,900 for special extension and research projects carried on during the next two years for the direct benefit of the people of the state. (These projects are not provided for in the general maintenance request); and

- \$35,935,450 for general maintenance to carry on the regular program of teaching, non-sponsored research and public service for the next two years. (This request, embodying the very basic needs in order to keep the doors of the University open, was discussed in detail in the last issue of *Gopher Grad.*)

THE BUILDING REQUEST was described by Pres. Morrill as the "first phase" of the long range \$128

FEBRUARY, 1957

million physical plant development program laid before the Minnesota Legislative Interim Commission on State Building needs last April. Commission members heard, at that time, the long-range expansion plan expected to be completed by 1970 to accommodate the estimated 47,000 students who will be then enrolled in the University.

Pres. Morrill had commented that these building needs reflect primarily the demands of people of Minnesota who are sending an ever higher percentage of high school graduates to college. At the same time, he said, the number of high school graduates in the state is and is expected to continue increasing at a rapid rate.

(Continued on page 10)

Footnote

This is a continuation of last month's discussion of the University's legislative requests. These articles are designed to give alumni a quick look at the specific needs of the University.

Land Across The River

(Continued from page 8)

of the campus. If these residential areas were lost, the University family would be dispersed beyond walking distance. The capacity of existing streets would then be overtaxed, and the parking and traffic problems (which are now difficult) would become completely unmanageable.

The Riverside area, by contrast, is not now used for housing. It is nearest of all the sites to existing laboratory and student activity facilities. The land is less expensive than either of the other contiguous sites and is easily served from the present heating plant. Use of this area would not interfere with possible dormitory expansion to the southeast of the present campus. The land involves what is now essentially a blighted area.

Thus, while providing needed land for University building, this area would be beautified and turned into an asset to the city. Also, this site would decrease to some extent the parking problem and reduce peak traffic across the bridge.

It is obvious, therefore, that the Riverside area is the least expensive and best location for University expansions to meet the needs now foreseeable.

The land across the river would be used to move certain lower division instruction (first two years) because such work is more self contained and requires a minimum of laboratory and power-use facilities. It must be recognized that there are certain facilities which are too costly to duplicate. Students having need of such facilities will use them as necessary — as is now customary on campus.

In contemplating the move across the river, one must realize that the unit is not to be a junior college, the unit will not involve any new work for the University, it will be operated as a part of the Minneapolis campus and, finally, it is not a new campus, but merely the rounding out of the present campus for optimal utilization of space and facilities.

That's the story. This is a crucial year because the 21 million dollar building request being asked by the Regents is the first phase of the University's long range 128 million dollar physical plant and development program. It provides the base for the rest of the plan. Without this fast start, the University may not be ready in time to take care of the 47,000 students now on the way.

Sincerely,

Ed Huselet

Legislative Requests

(Continued from page 9)

Of the building funds, \$14,405,479 would be spent on the Minneapolis campus; \$3,198,000 would be spent on the St. Paul campus; and \$1,951,000 would be spent on the Duluth campus. The remaining \$1,727,500 would be spent at eight branch stations.

THE UNIVERSITY HOSPITALS request was needed primarily to meet price increases on fuel and supplies, to meet staff salary boosts consistent with those proposed for other staff members and state employees, and to employ additional staff to take care of the anticipated patient load.

During the next two years, according to Pres. Morrill, five specific divisions of the hospitals would need funds as follows:

University Hospitals (General), \$5,758,374; psychopathic hospital, \$1,049,649; child psychiatric hospital, \$408,951; rehabilitation center, \$635,855; and multiple sclerosis clinic, \$34,462.

THE SPECIAL EXTENSION and research projects request was necessary "to continue existing . . . programs, to provide slightly expanded programs in some cases and to support a delinquency control training project privately financed since it started in 1953."

Pres. Morrill, in calling attention to the benefits derived by the state from special projects, had indicated that the request includes funds to continue University studies of low grade ores, particularly taconite. He added:

"The ultimate size of Minnesota . . . will depend to a large extent upon the relative cost of taconite concentration as compared to the cost and quality of imported iron ore."

"It is important," he went on, "that research and experimentation continue with a view to improving the quality and efficiency and lowering the costs of taconite production."

Another important part of the special extension projects is the delinquency control training project whose purposes are:

1. Development of an interdepartmental undergraduate major in delinquency control;
2. Full instruction of law students in the philosophy and procedure in the administration of the criminal law; joint instruction of law students with graduate students in the social sciences;
3. Service training of correctional personnel;
4. State and community programs in delinquency control.

Pres. Morrill said that, since this project first began four years ago, its value has been "fully demonstrated." He said the Regents are recommending that it be continued as a part of the University's educational program with Legislative support.

GOPHER GRAD

Former professor shares
honors in Stockholm —

Brattain Wins Nobel Prize

The world's highest award for scientific achievement, the Nobel Prize, has been won by a former University of Minnesota student, Dr. Walter H. Brattain '28PhD.

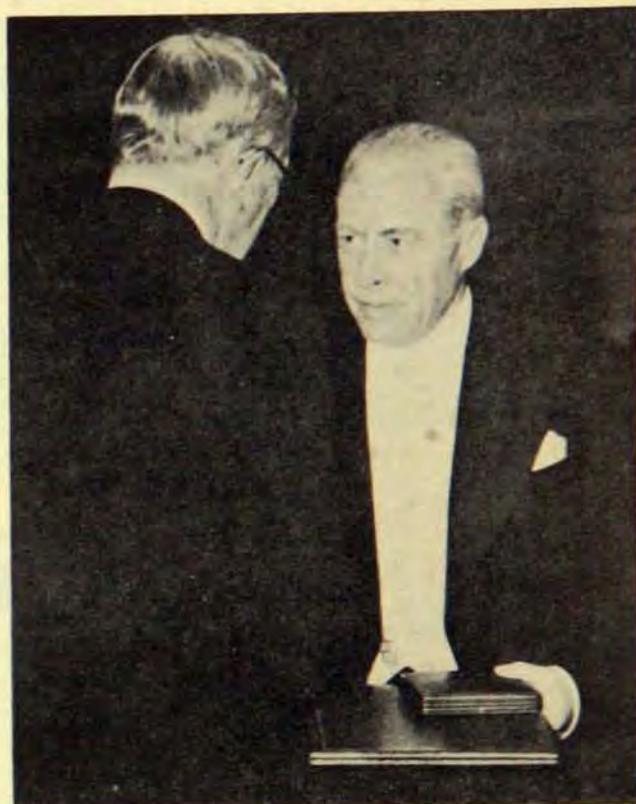
Dr. Brattain, Dr. John Bardeen, assistant professor of physics at the University from 1938-41, and William Shockley of Pasadena, Calif., shared the Nobel Prize honor in physics for the invention of the transistor.

Before a capacity crowd of 2,500 seated in Stockholm's concert hall Dec. 10, Dr. Brattain rose to receive the award which recognizes his outstanding contributions to the advance of knowledge in the field of physics. The achievement of the three prize winners was praised as "a supreme effort — of foresight, ingenuity and perseverance, exercised individually and as a team. Surely, supreme joy befalls the man to whom those breathtaking vistas from the summit unfold. You must have felt it overwhelmingly."

In the traditional ceremony of pomp and splendor, Dr. Brattain, now a research physicist at the Bell Telephone laboratories, and his colleagues received the award from the hands of King Gustav VI Adolph of Sweden. Each was given a gold medal, a diploma bound in leather and a third of the \$38,633 prize money.

The three men developed the transistor, considered a revolution in electronics, at the Bell Telephone laboratories between 1945 and 1951. It is a tiny electronic device capable of doing most things a vacuum tube can do and has already been put to use in telephone equipment, hearing aids, military devices and in other commercial applications. The transistor requires no warm-up time and operates on amazingly small amounts of power.

Dr. Brattain, whose distinguished career has been liberally sprinkled with awards and recognition, has been associated with Bell Telephone laboratories since



Nobel Winner Brattain
(right) gets award from King Gustav VI

1929. Initially his work was in the field of thermionics, particularly the study of electronic emission from hot surfaces. He also carried on investigations of frequency standards, magnetometers and infra-red phenomena. For about twenty years he has specialized in the physics of semi-conductors.

In 1952 Portland University awarded him an honorary doctor of science degree, and that same year he and Dr. Bardeen received the Stuart Ballantine Medal of the Franklin Institute. He and Dr. Bardeen were again co-winners when in 1955 they were awarded the John Scott Medals, established in 1916 by the will of a Scottish chemist and administered by the city of Philadelphia.

When notified he was one of the Nobel Prize winners, Dr. Brattain said, "It is a great satisfaction to have done something in life and to have been recognized for it in this way. However, much of my good fortune comes from being in the right place, at the right time, and having the right sort of people to work with."

Dr. Brattain was born in Amoy, China, but spent his childhood and youth in the state of Washington. Previous to his years at Minnesota, he served as a visiting lecturer at Harvard University.

The alumnus, whose home is in Chatham, N.J., is a fellow of the American Physical Society and the American Association for the Advancement of Science, and a member of the Franklin Institute, Sigma Xi and Phi Beta Kappa.

*With big East-West struggle
yet to be decided, University
Vice President says*

Understanding

Asians

Imperative

Malcolm M. Willey

The focus of modern history has been on the western world but one has only to travel eastward to realize forcibly that, tomorrow, the eyes of the world will be on the East.

Within those many countries that I visited recently, I saw a ferment and a new vitality that will, in the years immediately ahead, become the most powerful force in shaping the course of human events.

This impression, supported by incidents and observations from Cairo to Thailand, recalls another impression based upon my own experience: We of this country are woefully ignorant of the history and traditions of the millions who inhabit the vast regions of the Near and Far East.

The fact that most of us know so little about this new, emerging world of the Near East and the Orient, somewhat explains the complacency that has characterized our thinking about this part of the globe. It is

Academic Vice President Malcolm W. Willey made these remarks as a part of his address to those gathered at the recent Human Rights Fair held at the Nicollet Hotel in downtown Minneapolis.

not only our ignorance of political history and economic problems as such that troubles me; rather, it is a far deeper kind of ignorance that is so disturbing, even dangerous — our ignorance about these people *as people*; as human beings with aspirations, and hopes, and fears.

Our ignorance of them at the psychological level is disquieting.

We should, of course, follow day by day the political developments reflected in news from state departments and chancelleries, but all is abstract and unreal unless we, as interpreters, have some appreciation of what motivates the people my wife and I saw along the highways in India, or guiding their camel trains in Iraq, or manning their irrigation pumps in Jordan or on the Nile.

What these people think and feel somehow in the long run gets reflected in policies of government, even as your thoughts and mine are embodied in the policies, domestic and foreign, of our government.

All that I'm trying to say is that to understand what goes on in the world, one must understand the people

Academic Vice President Malcolm M. Willey (second from right) and his wife, Judge Betty Washburn (second from left) meet with former University students at a way-side Indian foodstall in Rangoon during a round-the-world trip. Seated with the Willeys are Mrs. Tin-Moung (left), U Ngwe Thein (center), geologist who teaches at the University of Rangoon, and Tin-Moung (right), journalist who edits a monthly magazine, runs a private news photo agency, and teaches at the school of journalism which is part of the Burma Translation Society whose patron is U Nu, former premier of Burma. (Judge Washburn graduated with an LLB in 1943).



who live in it. To appreciate how human beings like ourselves think and feel, regardless of where they live, is to start to achieve understanding of policies that ultimately manifest themselves at the high level of government.

Another impression from my travels relates to the burning spirit of nationalism that is rampant everywhere. It is manifested in countless ways — in the impressive housing developments in most of these countries I visited, in new highway systems and in expanding educational facilities, notably at the higher level.

In Burma I marvelled at the size and the colorful, daring architectural design of the new college of Engineering building at the university — a dazzling structure in red and green. In Cairo our taxi driver waxed almost eloquent about the great statue that had recently been brought from Memphis (as I recall it) and placed in a central square, in order, as he put it, "to show everyone that ancient and modern Egypt are one great country."

There's a general tendency, in this country at least, to jump to the quick conclusion that nationalism is inherently bad. To be sure, the spirit of nationalism may be perverted and used politically by unscrupulous leaders for their own misguided and power-mad ends. But nationalism may also be a strong motive to progressive and sound national accomplishment, as, it seems to me, our own early history so clearly reveals.

The problem in the Middle and Far East, as I see it today, is whether this widespread manifestation of nationalism is to bring the world to a more secure and peaceful existence, or whether it will plunge it into war and destruction.

Here in the western world (and particularly in the United States) we have, in our way of thinking, come to regard the communist revolution as the major event in forging the pattern of current international history.

I am fully sensitive to the menacing aspects of the policies of the USSR. But important as the communist revolution has been in changing the course of human events, history will record, I am convinced, that the really important revolution of our time is the anti-imperialist revolution — the revolt by nationals in Asia and in Africa against the domination by foreign powers.

It was interesting to me that in Korea there seemed to be as much concern among citizens with whom I talked about past relationships with Japan, as about present relationships with Red China. To be sure the President of the University did make mention of the fact that his campus "is only five minutes by MIG bomber from the Chinese border," but the hard-won freedom from Japan, and the growth of the democratic Republic of Korea, constituted a recurring theme in our conversations.

Here is a people released from domination by a foreign power, and struggling to maintain its newly won independence. Burma, Thailand, India, Iraq, Pakistan — also are, for the first time, experiencing the satisfactions — psychological if not economic — that comes with self-determination.

The anti-imperialist revolution as we now see it in the 20th century can be regarded as merely one phase of our own American revolution carried to its logical conclusion. As I drove one rainy afternoon out into the countryside with a young Burmese man who had his master's degree from the University of Minnesota, we talked about many things, including political freedom.

"Do you realize," he asked me, "that we of Burma obtained our independence from Great Britain *without* bloodshed?"

What impressed me was that he saw the independence of his own country as part of the same long range process in world affairs that had given the United States its cherished freedom. Consequently he



felt a kinship to this country that was deep and profound.

He explained that he could not understand the position of the United States with respect to French colonialism in Southeast Asia. My notes show that he put it bluntly:

"Why does your country, which gained precious independence and freedom from a foreign power, seem to support a foreign power that is denying the same desire for freedom to people in Southeast Asia?"

No answer I could have attempted would have been convincing, for this young man believed that colonialism (as he calls it) was dying or dead. I met his counterpart from Hong Kong to Cairo. Faith in the future of free and independent nations was expressed again and again. The words were different, but the faith was the same.

Do we feel differently?

I have the uneasy feeling that some weaknesses of our own foreign policy today stem from the fact that we answer both *Yes* and *No*. On the other hand, Mr. Justice Douglas, in his illuminating book *North from Malaya* says:

"The independence of nations, the right to self-determination, is today the outstanding issue in international affairs. If at any time we desert that cause, we are unworthy of our traditions. If we ever do desert it, we will concede Communist imperialism the formula for engulfing the earth." And that quotation leads to my final impression: The University is now engaged in a cooperative project with Seoul National University in Korea. It is the largest and most complex project of its kind (one of 70 or more now in effect) and operates under a contract with International Cooperation Administration. Mr. Harold Stassen was formerly the head of the agency (which then had another name) and it was his ties with this state that undoubtedly prompted him to turn to the University of Minnesota to carry out this particular and difficult assignment.

The University of Minnesota is in Korea to help train Korean students in the basic areas of health,

agriculture, and technology, so that they in turn may apply their knowledge to the further training of additional students, all of whom will devote themselves to the rebuilding and strengthening of their land.

Our contract in the cooperative project will involve expenditures, all from federal funds, of some five million dollars. We have a staff of our faculty, now about ten, in Korea. At the present time, nearly 65 members of the faculty of Seoul National University are at the University of Minnesota, for periods of one or two years, in general. This is the exchange mechanism whereby the rebuilding and retraining program goes forward, coupled with a program of equipment acquisition that provides material with which students at Seoul can be given a sound and modern education.

To be sure, it is a good thing to advance the cause of education anywhere, but it is especially important that it be advanced in this particular country at this particular time. Korea today is an all-important battle-line in the cold war between democracy (as represented by this country) and communism. If we lose in Korea, if our aid in its manifold forms fails, then we have lost a major battle. For if the independent Republic of Korea is subjugated by Red China, and the communist influence is thus extended — what next? Japan perhaps? — a stepping stone in reverse?

Our interest in Korea, yours and mine, is truly far more than academic. Our paramount interest is in helping Korea achieve the status that makes her independence a reality. If Korea can achieve strength in independence the world will be that much the safer against the encroachments of communism.

This is why the University of Minnesota is involved in an educational program located on the other side of the globe.

I have talked about Korea but, with variation, much the same can be said about the other free nations that are outgrowths of the anti-imperialist revolution. It all boils down to this simple conclusion: to the degree that the United States in its foreign policies moves to strengthen the independent and free nations of the world, to that extent do we win in the struggle against communism.

I would argue — and it is an impression derived from the contacts on my trip — that the communist menace is not likely to be overcome by us in direct struggle with Russia. Rather, our ultimate victory will be achieved through the free peoples of Asia and the Middle East.

Lt. General Sir John Glubb who, as organizer of the Arab League lived for nearly forty years among Arab peoples, recently wrote:

"Every government should have at its disposal a staff of international psychologists, ready to advise on the best way to deal with the minds of foreign nations."

The implication of this thought was made forcibly clear to me through my recent experiences. Undoubtedly, Sir Glubb's advice *first to understand* may have a far-reaching effect in future international politics.

*Eisenhower's educational report
says atomic age expansion,
'56 baby boom create*

TOMORROW'S SCHOOL PROBLEM

The inescapable fact about the future of education beyond the high school is that in 1956 almost twice as many children will be born in the United States as were born in 1936. Already more people than ever before are attending the Nation's colleges, universities, and other post-high school education institutions, yet the impact of the greatly increased birth rates of the past 15 years will shortly strike, and will be felt with mounting intensity each year as far into the future as we can foresee.

Moreover, the patterns already emerging in our society will necessitate that a much higher percentage of this vastly increased population receive education and training after high school. In fact a 75 percent increase in professional and technical personnel is predicted by 1975 along with a 25 percent decrease in laborers.

Simultaneously the greater income available to many families will increase the incentive and provide the means to pay for the education of more young people.

It is inevitable that by 1970, less than 15 years from now, larger proportions of the much larger numbers of young people will demand post-high school education and training to earn a living, to discharge the responsibilities of citizenship, and to enjoy the leisure which their increased productivity will earn. Indeed, the number in colleges and universities *alone* will be at least double, and may well be triple the more than 3 million now being served, while other millions will seek to be served by correspondence schools, private resident schools, educational television, apprentice training, and other programs.

In addition, current trends leave no doubt that many million more *adults* of all ages will look to a growing variety of institutions and programs for the education and training they too will need to adjust to the changing world. We are achieving in this country mass wealth, mass goods, mass leisure, and mass opportuni-

ties for further education. This is a new way — a never-before experienced way — to live on a national scale.

These undisputed facts present the American people and their educational system with their greatest challenge and their greatest opportunity.

Taking Stock

In taking stock of the present situation and looking ahead 10 to 15 years, the Committee has been guided by criteria which it considers essential to the well-being of America and American education. It has agreed that

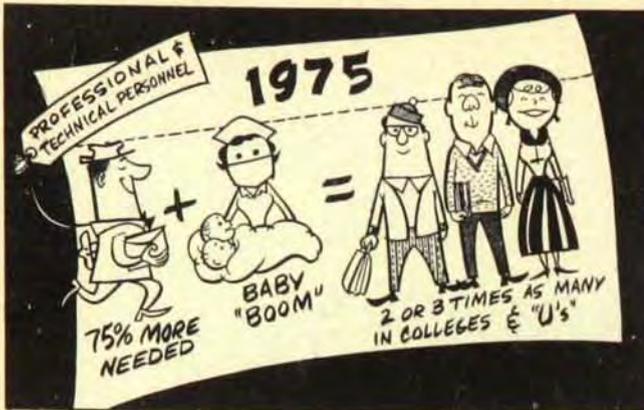
(1) the conservation and development of human talent is the proper concern of every citizen, and of the Nation;

(2) every individual, regardless of race, creed, color or national origin, shall have the opportunity to develop his or her best self, to continue appropriate education up to his or her personal point of optimum development; and

(3) the assurance of genuine equality of educa-

From the Editors

The undisputed facts presented in these few pages offer the American people and their educational system a great challenge and opportunity. To meet the critical situation resulting from an ever-swelling population, the President of the United States charged his Committee on Education Beyond the High School (of which Dr. J. L. Morrill is a member) with alerting the American people to the major problems, already urgent, lest they become increasingly critical in the next 10 to 15 years. The Committee's response is deemed by many *so important* that we are reprinting, here, the major part of its report.



tional opportunity requires that collectively the institutions and agencies responsible for providing this education be characterized by four attributes:

QUANTITY . . . there must be a sufficient number of institutions and qualified faculty persons to provide for all qualified students . . .

QUALITY . . . the quality of opportunity offered must be good . . . we must find ways of meeting the pressure of numbers without jeopardizing the quality of present education opportunities . . . indeed educational methods and practices must be made more efficient as rapidly as the technologies of other fields advance if the quality of education offered is to equal the need . . .

VARIETY . . . there must be a variety of educational institutions under a diversity of auspices to offer many choices to individuals of various abilities and talents who differ in interests, aspirations, and beliefs.

ACCESSIBILITY . . . there must be facilities for education which are accessible to all students if equality of opportunity is truly to be realized.

Applying These Premises

The current labor force of 68 million will increase to nearly 90 million by 1975, and a steadily increasing proportion will be professional and technical persons. Therefore, in the coming two decades demands on all phases of post-high school education will be extraordinary. For the 1½ million who will graduate from high school in 1960, the 2 million in 1965, the 2½ million in 1970, and even for the sizable additional number of those reaching adulthood without having acquired a high school diploma, a wider range of educational opportunity beyond high school will be needed.

The Committee is convinced that this potential talent must be served in accordance with the principle of equality of educational opportunity which respects differing individual needs, capacities, and interests. It is equally persuaded that such a demand will require an immense increase in our educational resources beyond what present teaching staffs, facilities, and financial resources afford.

At the same time, a study of the current American manpower situation clearly points up two closely related facts. First, of our Nation's most talented high school graduates who do not go on to college ap-

proximately 100,000 each year are deterred chiefly for financial reasons, perhaps another 100,000 chiefly by lack of motivation. Second, there is a serious shortage of trained and competent persons in almost every field.

Preliminary Conclusions

The Committee's discussions, the staff's researches, and the discussions that members of the Committee and staff alike have had with educators and lay people suggest the following conclusions:

1. *Our ideals and the increasing complexity of our civilization require that each individual develop his or her talents to the fullest.*

This country will never tolerate the nurturing of an educational elite. We must never have a system that provides education beyond the high school just for those capable of being trained for the professions and specialized occupations. In addition to repudiating our ideals, such a system would fall progressively shorter of meeting the needs of the technology and the general society of the 1960's. At the same time, we must find ways of eliminating the waste of talent inherent in the fact that tens of thousand of our superior high school graduates do not go on to college.

2. *The needs of the individual and of society plus an unprecedented growth in the population of post-high school age will far outrun the present or planned capacity of existing colleges and universities and other post-high-school institutions.*

The vital statistics have been stated and restated. Each year's new data on population and enrollments are translating earlier estimates into reality. While there is time, plans must be made to provide the needed capacity—in teachers, buildings, and funds. The dimensions of the problem must be given ever wider circulation. Unless the laymen as well as the educators are aware of the problem, no effective planning can be done, for the decision and the cost eventually rest with all of us.

3. *The needs of the oncoming millions of individuals with varying capacities and interests will call for a broader range of educational opportunities, and less rigid time requirements.*

The growth of community and junior colleges is a significant development of our educational system in this century and is probably the next logical step in filling in and rounding out our educational system. While the emphasis in many junior colleges is to prepare students for transfer to 4-year institutions, an important function and contribution of the 2-year college has been to offer a terminal program aimed at providing general education and training for the subprofessions and occupations of a highly technical nature.

There appears, however, to be a constant pressure both from within and without these institutions to become 4-year colleges, thus defeating the major purpose for which they were established.

Short-sighted economic pressures will increasingly stress specialized vocational training. Hence the Com-



mittee feels obligated to emphasize that education in its broadest sense should be the common objective.

4. *Many more able and qualified teachers will be needed than present efforts can provide.*

The profession of college teaching must be recognized and rewarded equally with other professions in order to attract and retain qualified individuals. Talented young people often will not select teaching because they have found it does not provide the economic advantages of other professions. Teachers are leaving the profession for better paid jobs in numbers so large as to justify the most serious concern.

5. *There must be promptly formulated an explicit, considered policy as to the role of the Federal Government in education beyond the high school.*

The Federal Government, through many separate agencies, now does many things that involve and have an impact on education beyond the high school. Aside from the obvious impact of military service programs on post-high school youth and the services performed by the Office of Education, major examples are aid to land-grant colleges, the surplus property program, agricultural extension and research, National Science Foundation research and fellowship programs, veterans' education, vocational rehabilitation, ROTC programs, the college housing loan program, contract research sponsored by many Federal agencies, and international education programs, among many others. In recent years the Federal Government has spent more than a billion dollars annually in educational activities beyond the high school, and yet no overall policy exists.

6. *Even with the best possible utilization of existing resources, additional financial support must be provided if the additional millions in the population are to be enabled to develop their talents to the fullest.*

It is already crystal clear that post-high school education will cost much more in total as each year advances. Even though it will probably cost more per capita, it will also continue to pay increasing dividends to our Nation and our people.

As promptly as possible there should be made State-by-State analyses of how many are to be educated, what the costs will be, what rearrangements and expansion of facilities will be needed, and what new types of institutions will be necessary. The problems differ widely from one State to another. The planning

FEBRUARY, 1957

should obviously involve cooperation between public and private institutions. To encourage this kind of analysis and planning the Committee will consider the desirability and feasibility of early Federal grants-in-aid to the States to insure that planning will be completed in time to solve the problems.

Even while the localized needs are thus being specified and defined by the State studies, consideration must be given to how and by whom—the individuals and their parents; private employers; private philanthropy; local, State, and Federal governments—the increasing costs of supporting more individual students, training more teachers, and building more buildings shall be borne. It is already clear that present resources will be grossly inadequate.

As larger proportions of young men and women are encouraged to continue their education, so many more individuals may have to be aided in meeting the costs. This appears likely even though it is expected that there will be greater discretionary incomes available to most parents. Federal participation is already being demanded. This and alternative proposals must be weighed.

Simultaneously, sources of financial support for both public and private institutions must be expanded to



employ additional teachers at better salaries, to build and expand buildings, and probably to create new institutions of varying kinds. This, the Committee's studies indicate, will be needed even after all existing institutions, faculties and facilities are stretched to encompass more. Hence the Committee will weigh proposals for grants for teacher training, loans for other than self-liquidating buildings, grants for various kinds of physical facilities, construction of ROTC facilities, at Federal expense, and still other proposals that are already being considered by some legislators.

Timely Action

A chief purpose of the Committee's assignment is to give the American people the salient facts about education beyond the high school and to show the need for planning timely action on local, State, and Federal levels. While the Committee is finding and presenting those salient facts, and also focusing upon its own recommendations, it is seeking to obtain the benefit of the thinking, analysis, and planning already being done in many places and by many able people and to stimulate more.



The Good Greeks

Campus Greek week, designed to show the contribution of fraternities and sororities to community life, is a time of fun as well as fund-raising for some worthy cause. Feb. 11-18 is the week of this year's activities headed by Margaret Newman of Delta Gamma and Bob Larsen of Delta Tau Delta. Buttons to be sold help tell this year's story - they're blue with white and display the laurel (Greek symbol of achievement) and a crutch. The crutch indicates that, after all is said and done, proceeds will go for the construction of a forty-camper building at the Easter Seal Society's Camp Courage for crippled children.



Counterclockwise: Greek chariot racing (campus style) could bring as much in the way of groans as in the way of glory to these fair steeds; Peter Purdy and Betty Weiss tip a toe in the Tunic Twirl; behind every woman on the line, there is a man-sized pair of lungs; Rome couldn't have been as good as this or it would never have fallen away from such lunches; passing the storied Olympic torch, otherwise known as a plunger; the only man qualified to swim Chanel No. 5; from the fun on campus to fun at Camp Courage (near Annandale) whose crippled summer visitors will get the benefit of proceeds from Greek Week activities.



Photos courtesy of the Interfraternity and Panhellenic councils, and of the Minnesota Easter Seal Society.



SUMMA CUM LAUDE

To

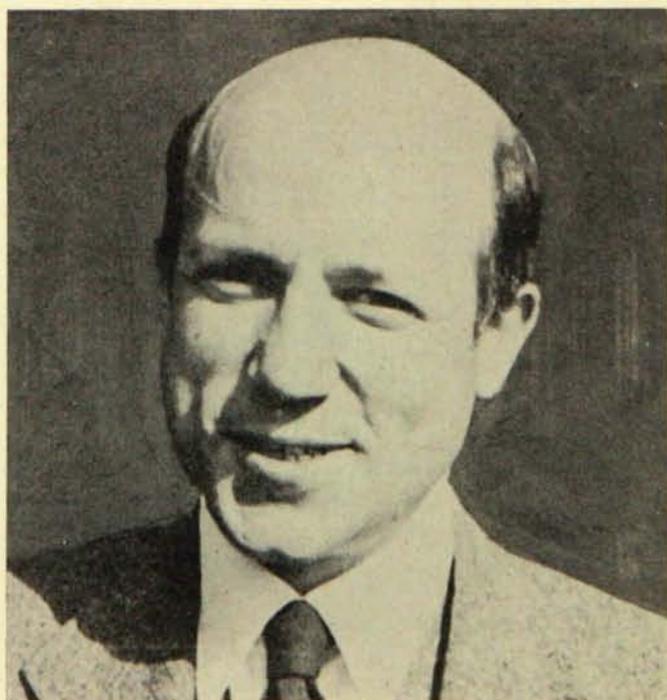
Retired Neurologist

Frederick P. Moersch upon completion of 36 years' active service at the Mayo Clinic in Rochester. He went to Rochester in 1920 as a young physician 31 years old and, through the years, has come to be recognized as one of the outstanding authorities in the nation on the diagnosis and treatment of neurologic disturbances. A contributor of more than 78 papers to medical and scientific literature, he would have retired from active practice three years ago, but special Clinic necessities overruled retirement at that time. He holds degrees of bachelor of science (1911) and doctor of medicine (1913), and was clinical assistant at Minnesota from 1914-17.



... and Active Chemist

Melvin Calvin, one of the world's leading authorities on photosynthesis, upon winning the 1956 Theodore William Richards Medal (an area award of the American Chemical Society). The award, named for the first American chemist to win the Nobel Prize, is a recognition of Calvin's work in three major fields of chemistry—physical, organic and biological. Some of his research shows that the process by which green plants build tissues from air and water aided by sunlight is similar, but in reverse, to the process of breathing in animals. Calvin, a professor at the University of California, received his Ph.D. from the University in 1935.



ACTION SHOT OF A
NEW ENGLAND LIFE
AGENT



Big moment for "Buck" Hubbard and Eriez as insured pension plan is launched

The Eriez Manufacturing Company of Erie, Pennsylvania, world-wide suppliers of magnetic equipment, now has a top-notch retirement program. It is one of New England Life's insured pension plans which provide liberal benefits at low net cost.

Buckley Hubbard (*Pennsylvania, '46*) developed the plan and sold its advantages to Eriez executives. The moment pictured above typifies the year-round satisfaction any New England Life agent gets from helping people make a better life for themselves.

He meets top-level people like President Robert F. Merwin and Controller James K. Brydon of Eriez (*l. to r. above*). His service and ideas have recognized value to his clients. He is rewarded by a steadily growing business. This company's pension plan, for example, is expected to expand considerably.

There's room in the New England Life picture for other ambitious college men who meet our requirements. You get comprehensive training. You get income while you're learning. You can work almost anywhere in the U. S. A. Your future is full of sizable rewards.

You can get more information about this career opportunity by writing Vice President L. M. Huppeler, 501 Boylston Street, Boston 17, Mass.

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Francis L. Lund, CLU, '35, Gen. Agt.,
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Morton C. Mosiman, '40, Minneapolis
Lloyd V. Shold, '42, Duluth
Robert R. Abrahams, '44, Minneapolis
Earl H. Mosiman, '47, Minneapolis

Ariel H. Oberg, '48, Los Angeles
Robert D. Myhr, '48, Chicago
Richard S. Taylor, '48, Minneapolis
Theodore J. Lee, '49, Duluth
Ben F. Day, '51, Milwaukee
H. Harry Wilson, Jr., '52, Minneapolis
John B. Heimkes, '54, Minneapolis

Ask one of these competent men to tell you about the advantages of insuring in the New England Life.

Nominating Committee Sets February Meeting

MAA president Glenn Seidel '36-BME, Minneapolis, has announced that a five-man nominating committee will meet Feb. 4 to select a slate of Board members for the coming annual election.

Chairman of the committee is Hibbert M. Hill '23BSCE, Minneapolis, a past president of the Association and 1956 Outstanding Achievement Award winner.

Serving with Hill on the committee are Rev. Wilbur Korfhage '23BSAg, Minneapolis; Clifton French '48BSEd, '49MED, Minneapolis; Gordon I. Swanson '42BS, '47MS, '54PhD, St. Paul; and Russell E. Backstrom '25BSME, '27MSME, Minneapolis, president of the school of business administration alumni association.

According to MAA by-laws, five board members retire each year and the nominating committee is required to select not less than two association members for each of the Board positions vacated.

Association members everywhere will have the opportunity to vote for their candidates by means of the ballot which will appear in the April and May issues of the *Gopher Grad*.

Houstonians View Battling Gophers

Gopher alumni in Houston have made two Gopher athletic games occasions for parties.

The Gopher basketball team's invasion of Houston for the Rice game in December brought more than 60 alumni out for a get-together.

Both Gopher and Hawkeye fans gathered in front of a TV set in a downtown Houston hotel to view the Minnesota-Iowa football classic. The MAA club sponsored the party and invited Iowans to attend.

Although both games ended in defeat for the Gophers, alumni enjoyed the chance to meet and visit.

Business School Alumni Hold Third Institute

Elmer E. Engelbert '20BABus and Lloyd Hale '27BA '30MS were honored with Outstanding Achievement Awards at the Third Alumni Institute of the school of business administration held on campus Jan. 25.

Pres. J. L. Morrill made the presentations to Englebert, president-manager of the St. Paul Book and Stationery company and a director of the Minnesota Alumni Ass'n board, and Hale, president of the G. H. Tennant company in Minneapolis.

A legislative outlook for Minnesota business was presented by a

distinguished panel group as one of program highlights.

Panel speakers included Senators Gerald Mullin and Donald Fraser '44BA, '44LLB and Representatives Sheldon Beanblossom and Fred Cina '30LLB. Moderator was Prof. J. W. Stehman.

Presiding over business activities was Alumni President O. O. Robbins '36BBA.

According to Dean R. L. Kozelka '53MA, dean of the school of business, the institute was held early this year as part of a move to shift the annual meeting away from the "overcrowded spring" quarter.

Grads in Badger Area To Organize

J. A. Stromwall '50BA of the insurance firm of Carney, Inc., Eau Claire, has invited alumni in the Eau Claire and Chippewa Falls (Wisc.) area to join him in forming a club of former Gophers in that locality.

The aim of the group would be to qualify as a charter club by having an elected board of directors consisting of six or seven members with the board electing its own officers and the holding of an annual meeting at which officers would be named.

MAA ExSecy Ed Haislet has indicated that he, or a member of his staff, would be available as speaker as soon as a temporary organization is formed.

Ed Alumni Board, MEA Heads Meet

Ways in which the College of Education Alumni association could help the various professional groups into which the education alumni are grouped were discussed at a meeting of the Board of Directors of the Education alumni association and presidents of the MEA divisions in December. It was suggested that the College of Education might concern itself, in some

Quad-City MAA Elects Officers

Dr. James W. Thayer '26DDS, Davenport, Iowa, is the newly-elected president of the Quad-City branch of the MAA. Dr. Thayer is a member of the Alumni association of the Mayo Clinic and president of the Davenport District Dental society.



Dr. Thayer

Other officers elected by the club for 1957 are: George Franck '41BSEd, vice president; Theodore Schick '49BSL, secretary; Edward Walker '41BChE '42MS, treasurer; and Dave Sperling '25BA, Clark Filseth '25-26, Jerry Schoenfelder '48BSAg, Robert Korsmo '44BAeroE and Edward Malmrose, directors.

cases, with special areas, such as modern languages.

Other topics discussed and considered at the meeting were: feasibility of establishing a convention committee, means of getting the Peik fund advertised and the possibility of forming a committee, and the feasibility of establishing a committee (as yet unnamed) which would embody many functions.

The Real Mac GUF

Robert P. Provost
Director of the Greater University
Fund (GUF)

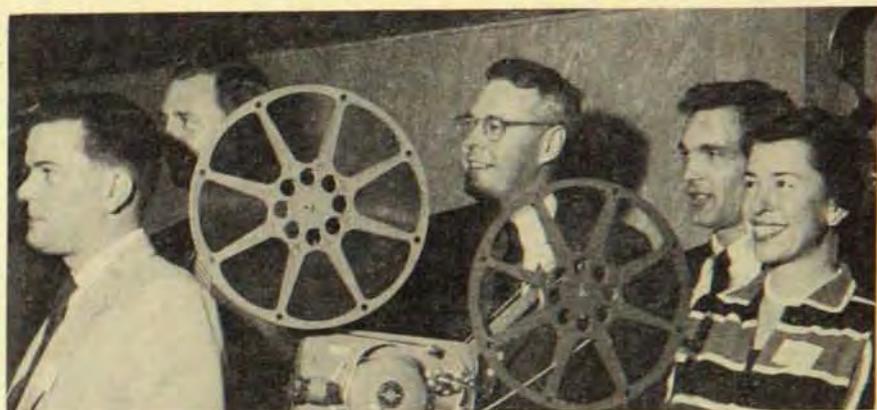
Last year a variety of organization's focused attention on the issues and problems of higher education in America. A series of articles in the *Gopher Grad* outlined physical requirements of our University and Ed Haislet's editorial last month projected 200,000 grads by 1970. The focal point of all this attention is the growth requirement necessitated by rising enrollments.

From the standpoint of alumni fund raising at a state university, these growth requirements (and the alerted public interest to them) are outside forces at work in our behalf. During the next few months, another outside-education organization will take up our cause—the powerful Advertising Council.

The Advertising Council's national campaign is a public service aimed at creating an even greater understanding by all Americans of their stake in higher education. National and local advertising to help sell the case for higher education is far beyond budget dreams of any educational fund raiser, particularly those of us in tax-supported institutions. The campaign will, according to the Ad Council, provide a "backdrop against which those of us in higher education may more easily carry on and intensify our own programs."

Each of you Minnesota Alumni Association members have been partners with us in higher education without all of this special attention. I personally hope you will bear with us as we attempt to spread our gospel by taking advantage of the Advertising Council's campaign. A great deal of information may appear to be basic to you. However, we here at Minnesota have a long way to go in building the number of annual contributors to the Greater University Fund and increasing membership in the

FEBRUARY, 1957



Newly elected officers of the Northern California MAA club admire performance of the 1956 Gophers. Club members saw the highlights of the '56 season on film at their December meeting. Officers for the coming year are, left to right, Gordon E. Lindberg '50BBA, director; H. Richard Farmer '36BSEd, director; William Drum '31-35, treasurer; David McGuire '44BMEtE, vice pres.; and Ellen J. Brown '36BA, president. Hugh Morrison '27-30, secretary is not present. February plans for the club include an achievement award dinner which has tentatively been set for Feb. 21.

IT Board Names Backstrom, Pfeifer Committee Heads

Russ Backstrom '25BSME, '27-MSME and Otto Pfeifer, Jr., '29-BME, '35MSME have been named committee chairmen for the Institute of Technology Alumni association.

Backstrom will head the Honors committee. Pfeifer, who will work with all committee chairmen, will head the Scholarship committee. It

is the aim of each department to establish five scholarships.

The appointments were made by President Milton Wunderlich '20-ME and approved by the Board of Directors at the Board's Jan. 14 meeting.

The Board also set the date for the association's next annual meeting and conference as Nov. 22, 1957.

Cowles and Cagers Feted at Dallas

The Dallas MAA feted Coaches Ozzie Cowles and Glen Reed along with the Minnesota cagers during a recent basketball appearance in Dallas.

Dallas MAA president F. A. Agnich '37BA of Geophysical Service Inc. invited everyone in the Minnesota party as his guests for luncheon at the Dallas Petroleum Club.

The alumni club itself held an evening cocktail party at the Dallas Athletic Club for the visiting cagers.

alumni association. Both are tangible opportunities through which the non-association member, and the non-contributing alumnus can reassure the University of Minnesota, during these critical years, that its alumni can be counted on.

Dads To Sponsor Glee Club

The University Dad's association has voted to provide members of the University Men's Glee Club with blazers. Action to sponsor the singing group was taken at the association's board of directors meeting, Jan. 8. Dads will be contacted by mail, asked to back the new project, and sent tickets to a special concert for dads by the Glee club.

New Life Members

Crystal Vivian Adams '44BSPHN
St. Paul, Minn.
Arnold W. Beneke '35FS
Glencoe, Minn.
Mary L. Morse '29PhD
Kearney, Nebraska
Shigeo Omura '47DDS
Wailuku, Maui, T. of H.
Francis E. Richards '39DDS
Loveland, Colorado

U Week Proclaimed



Minnesota Governor Orville Freeman '40BA '47LLB and MAA ExSecy Ed Haislet at the signing of the proclamation for University of Minnesota Week Observance set for the week of Feb. 25.

U Agriculturalist Is 'Man of Year'

A distinguished Minnesota dairy scientist, Dr. William E. Petersen of the University of Minnesota faculty, has been named "Man of the Year" by the American Society of Animal Production.

Dr. Petersen is professor of dairy husbandry at the College of Agriculture.

The award for 1956 was announced at a meeting of the society in Chicago which Dr. Petersen attended. He was given \$1,250 and a gold watch at a dinner in the Saddle and Sirloin club at the Chicago stock yards when his portrait was presented for hanging in the club's gallery.

Dr. Petersen and a colleague, Dr. Berry Campbell, worked jointly on a 10-year research project on the "protective principle in milk" which reportedly immunizes humans against a wide variety of diseases.

U Week, Charter Day:

Festivities Mark U's 106th Year

A birthday cake, outstanding achievement award presentations and an honors luncheon will highlight Charter Day, Feb. 28, which this year celebrates the 106th birthday of the University.

Formal activities for Charter Day (which occurs in the middle of University of Minnesota Week, the week of Feb. 25) will be held during a special morning convocation presided over by Pres. J. L. Morrill.

Following the cake-cutting at Northrop Memorial auditorium, the Minnesota Alumni Association will hold a luncheon during which approximately 11 alumni will receive the highest honor of the university, the Outstanding Achievement Award.

All 229 past winners of this honor have, for the first time in Charter Day history, been invited to participate in this birthday celebration.

Members of the group will be

honored guests at the alumni luncheon.

The MAA will also play host to past and present University Regents, the administrative committee of the University and faculty consultants, alumni association officers along with its board of directors, and all club presidents throughout the country.

Other guests to be invited are Gov. Orville Freeman and a group of legislators, the honors committee of the University, the Dads' Association officers and officers of alumni associations in the institute of technology and the schools of business and education.

MAA ExSecy Ed Haislet has announced that all achievement award holders will be asked to wear their medals.

UMD To Conduct Teacher Institute

UMD is one of 95 American colleges and universities chosen to conduct 1957 summer institute for science teachers under a \$9.5 million teacher training program sponsored by the National science foundation and financed by Congressional appropriation.

Under the program, teachers literally will be "paid to learn" as they receive a maximum of six credits in their special field while getting travel and living expenses paid. The program is designed to stimulate greater interest in the sciences and thus to help meet America's critical shortage of scientists, technicians and engineers.

The UMD institute June 17-July 19, conducted under a \$52,700 NSF grant, will be one of 86 open only to high school teachers.

The UMD institute will offer work in biology, chemistry, general science, mathematics and physics. Inquiries should be addressed to W. R. McEwen, Director, Science Institute, NMD, Duluth 5B, Minnesota.

Science Academy Honors Two University Doctors

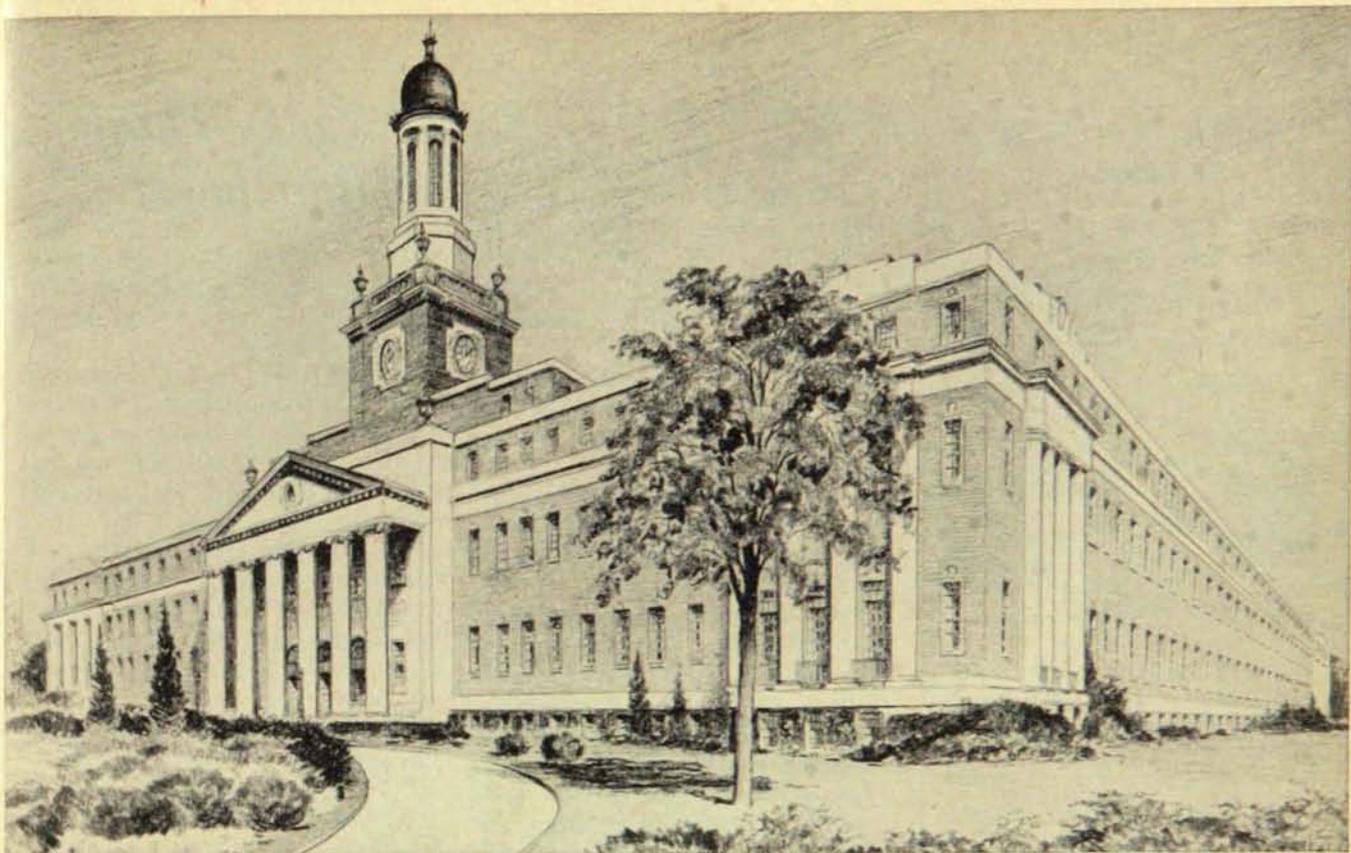
Two University of Minnesota doctors were among 145 scientists elected to fellowship in The New York Academy of Sciences this month at the Academy's annual meeting.

University staff members recognized for their outstanding scientific achievements were Dr. Wesley W. Spink, professor of medicine, for his work in internal medicine, and Dr. Jerome T. Syveton, professor and head of the bacteriology department, for his work in viruses.

Dimes Drive Planned

Minnesota's Inter-Dormitory council will sponsor the March of Dimes campaign to be held on campus this quarter. The group received approval for sponsorship from the Social Service council.

In action taken at its December meeting, the group voted to send \$50 to the Hungarian Relief Drive.



Massachusetts Mutual Home Office

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Some of the Minnesota men in Massachusetts Mutual service:

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Robert G. Farmer '37, Dallas

Miles W. McNally '44, Minneapolis

Richard C. Heverly, St. Paul

Donald A. Johnson '50, Los Angeles

Chester D. MacArthur '26, Minneapolis

Albert W. Schuneman '50, St. Paul

Chester R. Jones '32, Washington

Stanley Johnsen, Atlanta

Jean M. Youngdale '44, Home Office

Stanley J. Kronick '32, Minneapolis

Donald W. Schneider '49, Minneapolis

Robert E. Lambert '49, Boston

In each of our general agencies, coast to coast, there is a valuable lifetime career opportunity for men suited to our business.

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Made Expressly for the Minnesota
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**Counselor Lists Phases
To Frosh Orientation**

Some 430 new winter quarter stu-
dents, guided by 14 upperclassmen
who rushed them through a two-
day orientation, received a thor-
ough introduction to the problems
of college life.

Registering students is not just a
matter of signing their programs,
according to an SLA Junior College
adviser.

"Our freshman advisers orient
students to University life, help
them with personal or vocational
problems or refer them to the Stu-
dent Counseling Bureau," said Hen-
ry M. Robinson '50MA, instructor
and senior adviser in SLA Junior
College.

"Our main job is to advise the
freshmen and the new students in
SLA as to requirements in their
academic program. This means ad-
vising them on course requirements
and prerequisites and vocational
opportunities.

"We also help them prepare a
course of study that will be applic-
able, for example, to either a busi-
ness or law career, should a stu-
dent decide to change."

Robertson said that the variety
of questions which are posed lead
advisers to refer many students to
other sources of specialized help.

"For the most part," he added,
"we try to be alert and sensitive to
their problems so that we can help
them before they have to drop out."

Such help is provided by 12 ad-
visers working under Robertson.
The advisers come from many ac-
ademic areas. They are graduate stu-
dents and most of them are working
for their doctor's degrees.

**Education Aid Received
From Du Pont Co.**

The University is one of 122 U.S.
colleges and universities receiving
aid to education grants for 1957
from the DuPont Co.

The university will receive a
\$15,000 grant and two postgradu-
ate fellowships for \$1,500 each, for
students in chemistry and chemical
engineering.

**U Ranks Third
In Enrollment**

The University of Minnesota
ranked third in full-time student
population this fall, a recent survey
showed.

The survey, by Dr. Raymond
Walters, president emeritus of the
University of Cincinnati, revealed
Minnesota had 25,307 full-time stu-
dents and 36,303 full and part-time
students.

Topping Minnesota in size are
California, 40,788, and State Uni-
versity of New York, 25,851. Rank-
ing fourth and fifth are Texas,
23,801, and Illinois, 22,831 full-time
students.

The survey reported enrollment
at American colleges and univer-
sities this fall topped the peak
periods of 1947-48.

**Nat'l Extension Group
Names 11 'U' Staffers**

The University of Minnesota has
more representatives in recently
chosen National University Exten-
sion association (NUEA) commit-
tee assignments than any other
member institution.

Julius M. Nolte, University gen-
eral extension division dean; Clar-
ence C. Ludwig, political science
professor and executive secretary
of Municipal Reference bureau;
Frederick E. Berger, center for con-
tinuation study director; F. Lloyd
Hansen, director and assistant pro-
fessor of correspondence study;
Mrs. Elizabeth Cless, lecturer and
program consultant, general exten-
sion division; William S. Howell,
speech professor and chairman;
Eleanor Salisbury, assistant profes-
sor and assistant to dean of general
extension division; Walter Uphoff,
assistant professor of industrial re-
lations; Huntington Miller, associ-
ate professor and assistant dean of
general extension division; Albert
M. Fulton, associate professor of
speech; William C. Rogers, assist-
ant professor and director of the
state organization service.

Prof, U Receive Grants

A \$2,875,000 research grant—the largest the federal government's national institutes of health ever have made to an individual—has been made to Dr. Alan E. Treloar, professor of biostatistics at the University.

Better treatment for heart and blood vessel diseases should be the result.

Treloar is now on leave as research director of the American Hospital association, Chicago.

He will direct a nationwide, five-year cooperative effort in testing new drugs for heart and blood vessel ills.

The University of Minnesota will receive \$100,000 from the U.S. Public Health service under a new National Cancer Institute program to make more scientific manpower available for cancer research.

The University will select and appoint individuals to be trained and will determine the stipends they are paid.

The General Foods fund, independent foundation sponsored by the General Foods Corp., announced a grant of \$7,000 to the University for home economics graduate fellowships in 1957.

"Virtually no graduate fellowships in this field have been established anywhere," trustees of the foundation said.

26 UMD Students Make 'Who's Who'

For outstanding campus service and classroom achievement, 26 UMD students have been named to the 1956-57 volume of "Who's Who Among Students in American College and Universities."

Bases for selection include scholarship, leadership, extra-curricular activities participation, citizenship, service to the campus and promise of future usefulness in society.

The volume containing the UMD selections and those of outstanding students on other campuses of the country will be distributed nationally.

Delinquency Facts Probed at Institutes

Gang influence on juvenile behavior and other problems of the juvenile offender were the subjects of a three-day mid January institute for law enforcement officers of the state.

The institute was one of several in the spring series under the direction of the Center for Continuation Study.

During the month, also, Minnesota's newly-elected mayors and councilmen were invited to a session designed to help the new official in conducting or participating in council meetings. In addition 300 Minnesota elementary principals were asked to an institute on leadership in conducting elementary school affairs.

At the UMD branch, the University held its 18th annual mining symposium for more than 400 persons from all parts of the country. Site of the meeting was the Norshor theater in Duluth.

The program for this session dealt with the importance of the characteristics of iron ore as factors in blast furnace operations. Heading the University staff members was Athelstan Spilhaus, dean of the institute of technology.

Silo Gas Poison Studied

A \$60,271 research grant to study the effect of silo gas—nitrogen dioxide—on humans has been presented to the University of Minnesota by the National Institute of Health.

The research will be conducted jointly by the University's Institute of Agriculture, the School of Public Health and the Medical School. The grant was approved by the University Board of Regents.

Studies will be made to determine what causes nitrogen dioxide formation in silos and incidence of poisoning by this gas in humans. There have been known cases of nitrogen dioxide poisoning in both animals and humans in Minnesota during recent years.

Former Ambassador Named For Memorial Lecture

James B. Conant, former United States ambassador to the Federal Republic of West Germany, will



James Conant

deliver a Gideon Seymour memorial lecture at the University Sunday, February 24. He will present "A Report on Germany."

An outstanding chemist and teacher of chemistry, Conant was president of Harvard university from 1933 to 1953 and U.S. high commissioner for Germany from 1953 to 1955.

The lecture series is sponsored in memory of Gideon D. Seymour, executive editor of the Minneapolis Star and Tribune from 1944 until his death in 1954.

Previous lectures have been given by James Reston, head of the Washington bureau of the New York Times; Arnold J. Toynbee, British historian, and T. S. Eliot, poet, lecturer and playwright, and Walter Lippmann.

Thesis Wins Award

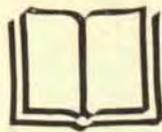
John A. Dettman, associate professor in business and economics, has received the 1956 research award by Delta Pi Epsilon, national graduate professional fraternity in business, for his doctoral thesis. Title of his thesis was "Factors Related to Success in Teaching the Business Subjects in the Secondary School."

Dettman recently was named president of the Minnesota Business Education association.

State Chess Tourney

A two-day tourney for state chess players has been set for Feb. 23-24 in the game room of Coffman union, according to co-chairmen Sheldon Rein of Minneapolis and Fred Galvin of St. Paul.

Competitors will be limited to 45 moves in two hours.



Books

I Chose A Parson, by Phyllis Stark. Oxford University Press, 1956.

This story of what happened when a college girl chose to marry a fellow-student who eventually became a minister is told with charm and wit. It is a warm, human story of a clergyman's family, filled with the interesting and humorous experiences they shared.

When the newly ordained Deacon brought his textbooks along on the honeymoon, his bride began to wonder about life as a minister's wife. But being married to Leland Stark turned out to be a wonderful adventure—from the deeply moving moments of family prayer to the high humor of the day an ape broke into the house and stayed for breakfast.

Mrs. Stark follows the progress of Leland Stark's ministry from two small parishes in Minnesota to Calvary Cathedral in Sioux Falls, South Dakota; then from rector of the Church of the Epiphany in Washington, D.C., to his consecration as Bishop Coadjutor.

With a delightful sense of humor she describes the incidents and adjustments of rectory life, contradicting any lay person's conception of it as dull and rarefied. Amusing line drawings by Vito Giallo introduce each chapter.

Phyllis Stark attended Gustavus Adolphus College, graduated from the University of Minnesota, taught English in the high school in Buffalo, Minnesota, and taught religion in All Saints School for Girls, Sioux Falls, South Dakota. She now leads a busy life as a bishop's wife and mother of two sons.

Repairing Record Changers. By Eugene Ecklund. McGraw-Hill Book Company, New York \$5.95.

This is a practical manual on the

repair of the mechanical elements of record changers, including pickups, needles, record changing actions, motors, drives, and tripping, dropping, and shutoff mechanisms. Magnetic recorder repairs are also included.

Eugene Ecklund, a University graduate, gives the subject a simple but thorough and well-illustrated treatment.

Crime, Courts, and Probation. By Charles L. Chute and Marjorie Bell '09BA. The MacMillan Co., New York. \$4.75.

One million Americans receive sentence annually for serious crimes. Probation experts estimate that 40 or 50 per cent of these convicted persons could be saved for society by the use of intelligent probationary methods. How is this vital social problem being met, and what has been achieved so far in the long struggle to make decent citizens out of lawbreakers?

Crime, Courts, and Probation attempts to answer some of these questions by describing current probationary techniques and by reviewing the battle to win acceptance of probation as an integral part of our judicial system. Much of the material comes from the personal experience of the authors. Beginning with a sketch of the history of the treatment of convicts in the Western world, the book tells the dramatic story of the probation movement; of the first probation law in 1878, of the campaign for a Federal Probation Act, waged against incredible hostility. There is also a special chapter by Brooklyn Judge Louis Goldstein entitled "My Six Probationers."

The book should have an appeal to specialists in the field of criminal justice as well as to the general reader interested in penal problems.

Where to Find Birds in Minnesota, compiled by Kenneth D. Morrison, W. J. Breckenridge and Josephine D. Herz; University of Minnesota Press, 1956. \$1.50.

This handy pocket guide to 78 birding areas, parks, and sanctuaries in Minnesota is a revised, enlarged edition of a book that has proved indispensable to bird watchers and vacationists interested in spotting birds as they travel about the state.

The book is divided into four sections, providing information on the southeast, southwest, northwest, and northeast parts of the state. The method of listing enables one, upon going into any particular region, to survey quickly the reports that will be of interest, and directions are given on how to reach each of the areas. Maps and black-and-white sketches are by Roger Tory Peterson.

Breckenridge is the director of the Museum of Natural History and a well-known authority on birds of this continent.

Dorati's Instrumentation Chart: A Guide for Composers and Arrangers, by Antal Dorati, University of Minnesota Press, 1956. \$10.

Antal Dorati, conductor of the Minneapolis Symphony Orchestra, has devised a practical aid to help professional musicians or music students in composing or arranging music.

The chart consists of five sheets, size 16 by 20 inches, on which are printed musical notations and information about the range, registers, mechanics, limitations, and idiomatic devices for each orchestral instrument.

In an instruction leaflet, Mr. Dorati explains that the chart is designed to give, quickly and efficiently, assistance in instrumentation.

GOPHER GRAD

Phenomenal shooting not enough —

HEIGHT CRUSHES CAGER HOPES

Will Shapira

Minnesota Daily Sports Editor

A couple age-old Big Ten axioms cropped up during the Gophers' first three basketball games. They were: Don't ever be sure of winning at Iowa, and, Don't look past one game to the next.

Maybe the Gophers of Ozzie Cowles weren't the most serious violators of the Iowa maxim (which seems destined to become one of Minnesota's most important unwritten laws) but there were traces of guilt nevertheless.

After a brilliant 91 to 88 win over Illinois here in their Big Ten opener, the Gophers invaded Iowa City. But their "hot hands" were cold and poor rebounding coupled with cold shooting led to an 89 to 66 Iowa win.

Things improved considerably two nights later against Ohio State at Columbus — but not enough for a win. While the Gophers regained their shooting touch, Ohio State, led by Big Frank Howard, cashed in for a 48 percent gunning average and handed the Gophers their second straight loss, 85 to 73.

George Kline, who paced the Gophers in the first two games, was held to but seven points by excellent defense on the part of Buckeye Ken Sidle. In the meantime, Howard broke loose for 31 points to spark Ohio State.

About the only encouraging thing emerging from the loss was Buck Lindsley's shooting. The veteran Gopher guard from West DePere, Wis., hit 12 baskets for 24 points. Dommeyer chipped in with 18 and Dave Tucker with 16.

And that's how things stood through the first three games of the Big Ten slate.

Maybe those who predicted a conference title for Ozzie Cowles' crew were a little bit hasty, especially after seeing the Illinois game.



George Kline

At any rate, it was apparent that the Gophers were in for a rigorous grind during the rest of the season if any title aspirations were to be realized.

Several other Big Ten teams proved they'd have to be reckoned with, though, as far as the loop title was concerned.

Illinois bounced back strong after its loss to Minnesota and set records galore in trouncing Indiana 112 to 91 at Champaign. And Ohio State, regarded by many before the season opened as the league's "sleeper" team, proved itself in the Gopher win.

Minnesota's problems were clearly visible after the first three games. The main one seemed to be that the Gophers couldn't rely on phenomenal shooting alone to pull them through every game.

True, it paid off against Illinois. But the law of averages says that most of the time, Dommeyer and Kline won't be as hot as they were.

Lack of the really big man in the pivot also made its impact felt. A green Iowa club had little trouble in out-performing the Gophers in the rebound department. And Minnesota had its hands full again in that respect with OSU's Frank Howard.

In some ways, the opening few games of the basketball season had a startling resemblance to the football season.

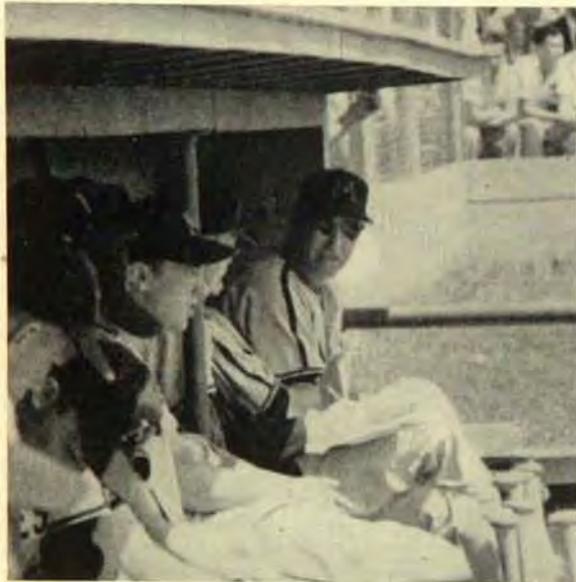
In football, the Gophers got off to a good loop start by beating Purdue. But then came the Northwestern setback followed by a comeback over the next few weeks.

Whether Cowles can regroup his forces to pull off a similar cage comeback is now what Gopher fans will be looking for from here on in.

But one thing is certain: the road back will be just as rocky as it was for the gridgers.

Dick Siebert Named 'Man of Year'

Gopher Baseball coach Dick Siebert, whose team won three coveted titles last June, was acclaimed the college baseball coach of the year during the recent NCCA convention in St. Louis.



Dark glasses, bright prospects

this spring, was named the "most valuable" player in the tournament.

Siebert's team wound its way to top honors throughout a 35-game schedule, including 20 non-conference games.

In a 12-1 victory over Arizona during the Omaha baseball tourney last Spring, the Gopher team was sparked by Pitcher Jerry Thomas to bring home the first NCCA baseball title in history.

The Big Ten and NCAA District Four titles were clinched with this victory, also.

Pitcher Jerry Thomas, who returns to the squad for another round

Kelly Back at Track Duties

Jim Kelly is back in his old coaching chair at the far end of the indoor track building as the 1957 Minnesota track team takes the field for its first regular practice session.

Kelly, who just returned from a successful trip to Australia where he coached the U.S. Olympic team, appeared in very good spirits and was tanned and relaxed.

Bob Anderson, coach of the Gopher cross-country team in Kelly's absence, also was present. He will assist Kelly for the coming season.

"We especially need pole vaulters and high jumpers," Kelly said, "and any boys who have had experience or are interested in either of these events should come and see me."

The Gopher cindermen are preparing for their season opener against Northwestern. The meet will be here Feb. 2.

Pucksters Show Life, Not Much Hope

Maybe the Minnesota-North Dakota hockey series wasn't the most important played in the WIHL this year. But one thing's sure: it was the liveliest.

Both games were loaded with spectator appeal in every respect. The Nodaks and Gophers hooked up in two battles royal and split the series, North Dakota copping the first one 3 to 2 in overtime, and the Gophers coming back to win the second game 4 to 3.

The first one found Minnesota clinging to a third-period 2 to 1 lead but the Nodaks tied it up, sending it into overtime. Both squads went at it hot and heavy for nine minutes and 48 seconds of the overtime.

Then the Nodaks' smooth-skating Jim Ridley grabbed the puck, slipped the deciding goal past Jack McCarten with 12 seconds left to win it for the Sioux.

Needless to say, this irked the Gophers no end, and they made no bones about the fact that they were out to even the series the following night.

Again a capacity crowd was on hand (complete with North Dakota's own small band whooping it up in the stands).

And again, Minnesota held a one goal (3 to 2) lead in the final period, only to see the Nodaks tie

it up again. But luck swung toward the Gophers after that.

Veteran Jack Petroske slammed one home in the final minutes to give the Gophers a series split as well as their first WIHL win.

After the game, things still continued in typical North Dakota-Minnesota fashion. Al Renfrew, Sioux coach, complained long and loud about the officiating, but Al also had a constructive criticism which he made the next day at Grand Forks.

Sports Events

Basketball

- Feb. 2 — Michigan
- Feb. 9 — Michigan
- Feb. 11 — Indiana
- Feb. 16 — Purdue
- Feb. 18 — Wisconsin
- Feb. 23 — Michigan State
- Feb. 25 — Iowa
- Mar. 2 — Illinois
- Mar. 4 — Ohio State

Hockey

- Feb. 8-9 — Michigan
 - Feb. 11 — Colorado College*
 - Feb. 12 — Colorado College
 - Feb. 15-16 — Michigan
 - Feb. 22-23 — Michigan Tech
 - Mar. 1-2 — Michigan State
 - Mar. 8-9 — Denver
- Home games in bold face
* At St. Paul Auditorium.

Colorado Called 'Tops'

After watching his Minnesota hockey team drop four straight contests to Colorado College and Denver last week, coach John Mariucci labelled the Canadian-influenced Colorado College club as "the team to beat" in the Western Intercollegiate Hockey League (WIHL).

Around and About with the Alumni

'05

Dr. Edward M. Gans '05MD, Harlowton, Mont., recently was named by the American Medical Association as the nation's outstanding family doctor of 1956. Dr. Gans has practiced at Harlowton and nearby Judith Gap, Mont., 51 years.

'12

Chester S. Wilson '08BA, '12LLB, former state conservation commissioner and chairman of the state water pollution control commission, has been appointed by Marion B. Folsom, secretary of Health, Education and Welfare, as chairman of a board to hold a hearing under the federal water pollution control act in a case involving pollution of interstate waters between Arkansas and Louisiana.

Welcome, Travelers



Alumni traveling U.S. highway No. 80 through Gila Bend, Arizona, must pass the business establishment (above) of two other alumni, Oliver and Amy Guilbert. The Guilberts have extended an invitation to "stop in." (See letter section, p. 3).

'34

Delbert Frederick Jurgensen '32MS, '34PhD has joined the Blaw-Knox Co., Pittsburgh, Pa., as vice president of development and research. Before taking his new position, Mr. Jurgensen was director of engineering and development for Congoleum-Nairn, Inc., Kearny, New Jersey.

'36

Arthur John Gatz '33MA, '36PhD, a native of Winona, Minn., has been appointed associate professor of Microscopic Anatomy at the Medical College of Georgia, Augusta. From 1941-42 Dr. Gatz was assistant professor of anatomy at Carleton College and from 1943 until his present appointment he was assistant professor and later associate professor at Loyola University School of Medicine, Chicago.

Frederick W. Blackburn '35-36 has joined Lily-Tulip Cup Corporation as director of selling operations. Blackburn,



F. W. Blackburn

who married the former Phyllis Perkins '39BSEd, has three sons and lives with his family in a pre-revolutionary farm home in Washington Valley, New Jersey. Blackburn, for the past twenty years in sales and sales administrative work, has held executive positions with Johnson & Johnson and most recently with the Institutional Products Corporation where he was director of sales, advertising and merchandising.

'37

Gordon F. Munson '37BA was awarded the master of science degree in technical journalism at Iowa State College in December graduation ceremonies. He is assistant Information Service editor at the college and an associate in the Information Service.

Walter L. Peterson '37BEE has been appointed manager of the regulator department of Allis Chalmers, Milwaukee, Wis. Peterson has authored a number of technical articles on regulators and is a member of the American Institute of Electrical Engineers.

'39

Orrin M. Ernst '39BBA recently was appointed marketing planning manager of Mead Johnson International, foreign operations division of Mead Johnson & Co., nutritional and pharmaceutical firm, Evansville, Ind. Mr. Ernst, who received a MA degree from Harvard Graduate School of Business, began his business career in 1941 as a sales representative of Vicks Chemical Co. Most recently he was manager of the hospital division, American Safety Razor Co.



Orrin M. Ernst

Wesley E. Schwieder '39BME recently was appointed Moline's chief engineer for research and development of tractors and engines. Mr. Schwieder was formerly manager of power plant engineering for the Packard division of Studebaker-Packard Corp.

Edwyn J. Ballance '39BBA recently was appointed to the office of comptroller by the board of directors of Wilson Sporting Goods Co. A member of the Wilson organization since 1939, Mr. Ballance was elected assistant comptroller of the company in 1954.

'40

Lt. Col. Harold Hasfjord '40BSAg, presently assistant executive officer with Fort Carson's 502nd Engineer Group, is slated to report for duty in France next March. Col. Hasfjord entered the Army in 1940. Since then his tour has taken him to Europe, Japan and Korea, in addition to numerous United States posts.

T. S. Zajac '39BChE, '40MSChemE, a native of Minneapolis, has been appointed chief mechanical engineer for the Denver area production department of Shell Oil Co. Mr. Zajac joined Shell in 1940 as a mechanical engineering trainee. From 1942 to 1953 he served in various engineering positions of increasing responsibility. Prior to his present assignment he served as gas manager in Calgary, Alberta, Canada.

Dr. Robert J. Anderson '39MB, '40MD, a career officer in the U.S. Public Health Service and an expert in the field of tuberculosis control, last August was named chief of the Communicable Disease center at Atlanta, Ga. Before his appointment, Dr. Anderson was chief of the Division of Special Services in Washington, which conducts operational research in tuberculosis, chronic diseases, venereal diseases, occupational health and heart disease control. In his present position, Dr. Anderson supervises some 800 employes of the center located at headquarters in Atlanta and in some 40 states, Alaska and Puerto Rico.

Dr. Herman E. Rothfuss '40MA, '49PhD has been elected president of the Michigan chapter, American Association of Teachers of German. He had been vice president during the last year and is an associate professor of German at Western Michigan college, Kalamazoo.

E. J. Rudisuhle '40 BEE has been elected vice president and general manager of Lenkurt de Mexico, a newly formed corporation in Mexico to manufacture Lenkurt communications equipment in that country. Mr. Rudisuhle was formerly with the Civil Aeronautics administration where he was in charge of CAA radio engineering in the Pacific area, and the Federal Communications commission as a field and laboratory engineer. He joined Lenkurt in 1952.

It's in the Book!



Mr. and Mrs. Dick Leverage (seated) are presented a "This is Your Life" book by Harry Bratnaber during a party at the latter's home in St. Paul. Leverage 1941-43 was recently transferred by the General Electric Company from Philadelphia to Dallas. Bratnaber is on the staff of St. Paul Academy.

Harold C. Rahn '41BAerE has joined the Boeing Airplane Co.'s Wichita division engineering department. His duties will be in conjunction with the company's production of B-52 Stratofortress global bombers for the U.S. Air Force.

'45

William M. Visscher '45BA, formerly a research associate in physics at the University of Maryland, has joined the University of California's Scientific laboratory as a physicist in the theoretical division.

'46

Robert W. Rebney '46BBA, formerly with Gamble Skogmo, Minneapolis, has joined the Greyhound Corp. as vice president of finance. Mr. Rebney will reside in Chicago.

Mrs. Virginia Glen McDavid '46BA, '48MA, a former teaching assistant in literature and English at the University, has been appointed an instructor in English at the Cleveland Extension center of Kent State University.

'47

Henrietta H. Pfeffer '47BS recently was promoted to major at Fort Sam Houston, Tex., where she is assigned to the Brooke Army Medical center.

'50

Capt. Arnold L. Grover '50BSED re-

cently was assigned adjutant of Texas Tech's Air Force ROTC unit. He is also filling the position of assistant professor of air science.

Captain Edgar G. Braun, Jr. '50MCE has recently been assigned to the Eastern Ocean District, Corps of Engineers, U.S. Army. After a short tour of orientation, the Captain has been sent to his post of duty in the Azores Islands. Capt. Braun began his military career when he was commissioned in the Regular Army in June, 1946. He is a registered professional engineer in the State of New York.

'51

Frederic C. LeRocker '51MHAd, director of support activities at the Memorial Center for Cancer and Allied Diseases in New York city for the past year, has been appointed director of the Sloan Institute of Hospital Administration and professor of hospital administration in the graduate school of business and public administration at Cornell University. Mr. LeRocker will become the first director of the Sloan institute, established in 1955 to make possible a new experimental program in hospital administration. Mr. LeRocker is a member of the board of trustees of the Near East foundation and a trustee and treasurer of the American Farm school in Greece.

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14 FACTORIES AND 42 SALES OFFICES IN THE EAST, MIDWEST AND SOUTH

Peter J. Laugen '51MA, until recently assistant director of admissions and news bureau director at St. Olaf College, has been appointed administrative assistant in the Lutheran Brotherhood home office, Minneapolis. Laugen was also associate alumni editor and ski and hockey coach at St. Olaf.

Gerald Knatterud '51BA, who formerly taught in Lake City high school, Minn., has been appointed an instructor in English at Shattuck School, Faribault.

Stig Robert Erlander '51BA recently received a doctor of philosophy degree from Iowa State College, Ames.

'52

Ramona M. Munday '52BA has been selected as a recreation leader to serve in Italy for two years with the Army Special Services.

Eleanor H. Hansen '49BSEd, '52MED has been promoted to associate professor of physical education for women at Carleton College.

'54

Arvid A. Sather '54BA recently received his commission to Navy Ensign upon completion of pre-flight training. He is now assigned to the Whiting Field Naval Auxiliary Air Station, Milton, Fla.

The Rev. John Paul Eddy '54BSAg is serving on the Sharing Drive committee at Garrett Biblical Institute, Evanston, Ill., where he is working for both his BD and MA degrees. He is also serving as pastor of the Berry Memorial Methodist Church in Chicago. The Sharing Drive this quarter is mainly for the work of the Mindanao Methodist Station in the Philippines where Mr. Eddy served as a missionary.

Frank A. Maderich '54BChE recently was employed by the du Pont Co. plant at Belle, West Virginia. Mr. Maderich was employed at Belle prior to his entry into the U.S. Army in 1954. He has returned to continue his work in the nylon research group.

Frank Buck Keith '54MA and his wife Barbara are residing in Izmir, Turkey, where they are in their third year of teaching in the Mission School there sponsored by the Congregational Church.

'55

Martin N. Kellogg '55MA and *Esther M. Swanson* '55 BSEd were married last July in St. Paul and now reside in Oak Park, Ill. where Mr. Kellogg is employed as an operations research consultant by Peat, Marwich, Mitchell & Co., national public accounting firm. While at the University, Mr. Kellogg was a member of Tau Beta Pi, Pi Tau Sigma and Plumb Bob. Mrs. Kellogg was a member of the Union Board of Governors and Mortar Board.

Richard Ehrborn '55BSIT, who was graduated with high distinction from the University, is registered as a graduate student at the California Institute of Technology in Pasadena, Calif. where he is working toward a PhD in electrical engineering.

Barbara L. Gamble '55BS(UC) this fall graduated from the School of Medical Record Science of the Graduate Hospital of the University of Pennsylvania. She is now working in Miami, Florida, as chief medical record librarian of Jackson Memorial Hospital.

'56

Colette Marie Bakken '56BSNur became the bride of William T. Kerlin, Lieutenant U.S.M.C., '55 graduate of Virginia Military Institute, in Pensacola, Florida on Nov. 22. The couple are now residing in Pensacola.

Alum-Prof Quigley Writes Correspondence Courses

Two new correspondence courses on the Far East to be offered this year have been written by Professor Emeritus Harold S. Quigley '20BS.

These courses are Political Science 89, *Japanese Government and Politics*, and Political Science 94, *The Far East in International Relations*.

The first covers the constitutional and political development of Japan; political ideas, government, political parties and problems. The course in international relations includes the political development of China and Korea and other Asian countries, with emphasis on the period since World War I. It also includes something about Western-Asiatic diplomacy and current problems and conflict in Asia.

Both courses are open without prerequisites, and will be offered for three quarter credits. There are 16 lessons in each course and the tuition fee is \$18 per course. There is a \$2 out-of-state fee.

While Professor Quigley is retired from classroom teaching, he agreed to develop these correspondence courses to share his rich background with students everywhere.

THE MIGHTY BIG TEN VERSUS THE IVY LEAGUE!

The Big Ten Colleges were called "educational rabbit warrens" — among other things — in Holiday's famous article, *The Natural Superiority of the Ivy League*. Now, in March Holiday magazine, the brickbats are returned with interest as Paul Engle, of Iowa University, says "The Ivy League has had the past; the Big Ten will have the future."

Has Radcliffe "absorbed" Harvard? Will coeducation "save" Yale? Is eastern education "snobbish and outdated"? Is Columbia a "Sorbonne-on-the-subway," and Cornell a "salt lick in the wilderness"? Is the Big Ten the "massive wall to which that gracious Ivy clings"?

As for the Big Ten — does it really produce more top-grade music, art and poetry than all other colleges put together? Is physics really stressed as much as advanced ballroom dancing? Is coeducation really an advantage — or do drum majorettes command more attention than assistant professors? And just how big is Big Ten football, anyway? Holiday has the answers in a vivid portrait illustrated with 15 colorful photographs!

Don't miss this exciting and controversial feature. Read "The Mighty Big Ten" in March Holiday magazine!

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A CURTIS MAGAZINE

Economist Uppgren Joins Staff of Macalester

Arthur R. Uppgren '37PhD, a former University faculty member, recently was named professor of economics at Macalester college, St. Paul.

At present, Uppgren is dean of the Amos Turck school of business administration of Dartmouth college, N.H. He also serves as director of research at Dartmouth.

The professorship Uppgren will fill at Macalester is named in honor of the late Frederic R. Bigelow, former chairman of the Macalester board of trustees. The F. R. Bigelow foundation trustees set up the economic chair at Macalester six months ago.

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Catholic U Cites Book Collector

Dr. Irvin Kerlan '31BS '33MB '34-MD of Washington, D.C., has been awarded a citation of honor from the Library of Catholic University for his services to the field of children's literature.

The book collector is associate medical director of the Food and Drug Administration in Washington.

The award, presented at the end of last year on behalf of the Children's Book Guild of Washington, D.C., is a handsomely bound and hand-lettered citation naming him as "a Twentieth century John Newbery, educator extraordinary, bibliophile, ingenious and generous collector, champion of creators and producers of finest in illustrated children's books."



Dr. Kerlan

Kerlan, who collects illustrated books for children as well as quantities of original art work for such books, actively has been building the Kerlan Collection of children's literature at the University library for the past several years.

At present, his collection here contains several thousand pieces termed by Dr. Edward Stanford, director of libraries, as "each one very fine as books and, in addition, hundreds of outstanding original drawings."

Recently, the Kerlan Collection received an unexpected addition of eight original drawings by a nationally-famous illustrator of children's books, Lois Lenski. The illustrator had chosen the University library as a home for her work because the subject coincided with the Kerlan selections, the illustrations were incorporated into that group.

Biochemist Wins Research Award

University of Minnesota graduate Dr. Richard W. Luecke '41MS, '43PhD has been named the outstanding research worker in animal science for 1956. Dr. Luecke was selected by the American Society of Animal Production to receive the \$1,000 award from the American Feed Manufacturers Association's nutrition council.

Dr. Luecke, best known for his work in swine nutrition, recognized early the merits of young pigs as experimental animals and his work has been particularly productive in establishing the vitamin B needs of young pigs.

A native of St. Paul, Dr. Luecke worked as an assistant at the University of Minnesota. He joined the staff of the Texas Agricultural Experiment station in 1943 as a biochemist. In 1945 he was appointed professor of agricultural chemistry at Michigan State University, the position he now holds.

Jurist Serves 36 Years

Luther A. Foster '96LLB was honored recently by the Woodward County (Okla.) Bar association for his 36 years of service as county attorney and county judge. Members of the Bar association presented him with a plaque inscribed with these words: "Lawyer, Jurist, Friend to Man."

Mr. Foster first ran for county attorney in 1915 and held the office for 10 years. In 1929 he ran for the judgeship, a post he held continuously, with the exception of one year, until his retirement.

"I can remember Woodward when there wasn't much here but prairie," said Foster. "The streets were sand and there were no sidewalks." He said he had enjoyed his work but added, "I never did like to send a man to jail or the penitentiary."

Mr. Foster, a native son of Iowa, left office Jan. 14, the day he became 90 years old.

Deaths

Katherine Lee Roney '96BS, retired Minneapolis public school teacher, of a stroke this December in San Diego. At the time of her retirement in 1943, Miss Roney had taught 40 years, 25 of them in Motley public school and John Marshall high school, Minneapolis. She is survived by a sister and two brothers.

Louis A. Hubachek '01LLB, former Minneapolis attorney, this December in Palo Alto, Calif., Mr. Hubachek practiced law in Minneapolis close to 50 years before moving to California in 1947.

Einar Johnson '10BA, '11BSChem, '12MS this December in Yuma, Ariz. where he worked as a pharmacist. Mr. Johnson, a resident of St. Paul for 38 years, was a veteran of World Wars I and II, serving as a major in chemical warfare during the last conflict. He retired after 30 years' service with the Army. Survivors include his wife, a son, a daughter and two sisters.

J. Stanley Noltmier '16FS, a retired farmer residing in St. Paul Park, this December of a brain tumor. Mr. Noltmier was a member of the board of directors of the Farmers Terminal State bank. He is survived by his wife, two daughters, a sister and two brothers.

Dr. Arthur Parrett '20BSChem, '21-ChemE, vice president in charge of research and development for Rayonier, Inc., recently while on a business trip in Seattle.

Percy M. Lowe '24MA, blind University instructor in agricultural economics, at his home in St. Paul this December. Mr. Lowe, blinded in an accident in 1922, joined the faculty in 1924. He recently was teaching three courses in the principles of economics. During World War I he spent two years giving agricultural advice and training to blind soldiers at Old Farms Convalescent hospital, Avon, Conn. Survivors include his wife, three sons and a daughter.

Manley H. Frisch '30LLB this December in St. Paul. Mr. Frisch had practiced law in St. Paul since he moved there from Minneapolis in 1933. He was a member of the Minnesota and Ramsey County Bar associations. Survivors include his wife, two sons and a daughter.

William Henry Condit '96BS, '99MD, of Minneapolis, last year. Mr. Condit was a member of Phi Delta Theta fraternity.

Tappan Childs '38BCE, former St. Paul resident, in Hibbing this December. Mr. Childs was a civil engineer and had been with the Ryan Construction Co., Hibbing, two years. Prior to that he lived in St. Paul and was associated with the James Leck Construction Co. During World War II he served as an engineer with a contracting firm that built military bases. After the war he was assistant city engineer at Fairbault for a year. Survivors include his wife, three children, his mother and a sister.

Richard Johnson '56BIndE, one of twin brothers who became Methodist missionaries after their graduation from the University and were subjects of a recent *Gopher Grad* article, by drowning at his mission station in Malacca Malaya. Richard, 24, was swimming with fellow missionaries when he died. The twins accepted three-year appointments to southeast Asia last summer. Thomas is in Malaya also, enroute to Sumatra. Mr. Johnson was born in Alexandria, Minn., and grew up in Owatonna. At the University he was a track letterman and cross country runner. He was employed by Minneapolis-Honeywell Regulator Co. as a student engineer but turned down highly-paid engineering jobs after graduation, he said, because of a "sense of obligation to my church."



Richard Johnson

LaVerne W. Wegener '42BSAgEd, '50MS of injuries received when he was attacked by an assailant who took his watch and wallet. Mr. Wegener, a native of Bertha, Minn., was residing in Port Huron, Mich. where he was assistant St. Clair county agricultural agent. Before going to Port Huron, Mr. Wegener was assistant agricultural agent in La Crosse, Wis. He is survived by his wife and four children.

Adelyn Lucille Swart '42BSHE, of Minneapolis.

Mrs. Katherine Scott Eitel '27BSMed-Tech, this December in Edina. Mrs. Eitel was a member of the University Women's Faculty club and the AAUW. She is survived by her husband, Dr. George D. Eitel, and her mother.

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