

THE UNIVERSITY OF MINNESOTA

ALUMNI NEWS

MARCH 1965

THE LITERATURE EXPLOSION

ACHIEVER

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MARCH, 1965

THE UNIVERSITY OF MINNESOTA ALUMNI NEWS

(Our 65th Year)

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Merrill J. Busch '58BA Editor
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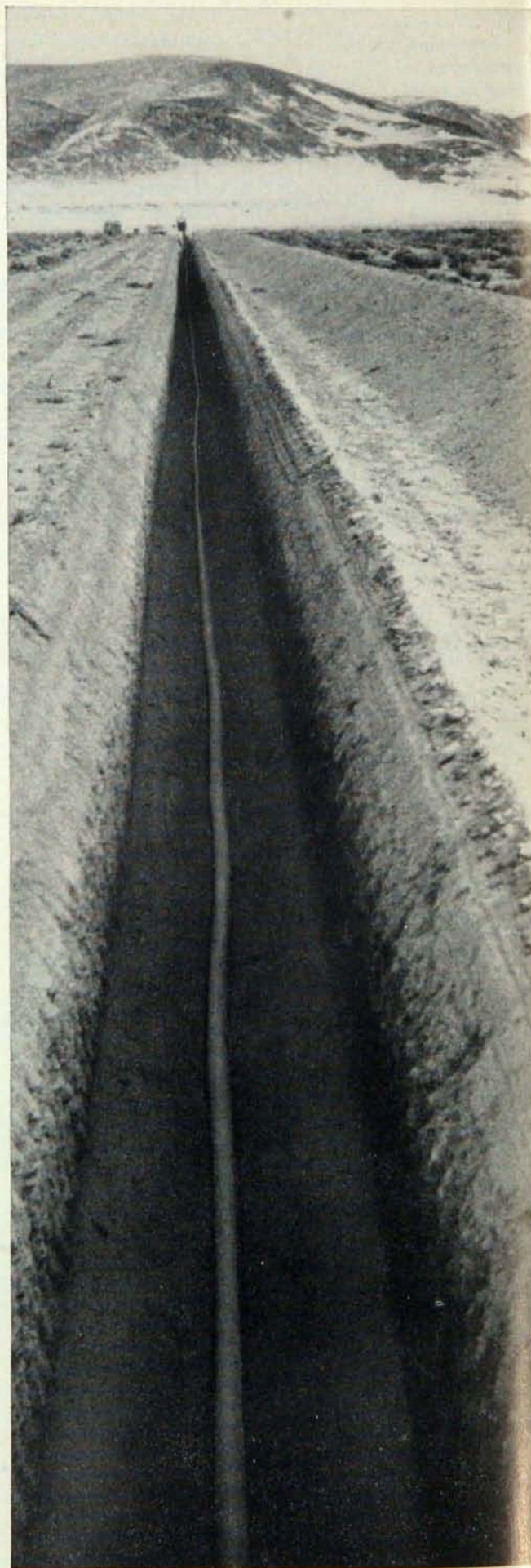
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BACK TALK

Sig Harris

Sir:

That is a fine article in the December Alumni News on Mr. Minnesota, Sig Harris. Naturally, it covers his career at the University and thereafter his work for the University.

If they are available I would like to have 4 or 5 additional copies of the December News to send to friends of Sig who did not go to the University of Minnesota and probably would not otherwise see the article. I will be glad to pay for them.

Sig was a dear friend of mine from sand lot days with the 16th Street gang (16th St. & Chicago Ave.), which included Roger Gray and Bobby Marshall. I lived at 17th and Park Ave., but 16th & Chicago was the gathering place, where the Robb family lived; including Ned now 91 years old living in Walla Walla, Washington, who was a regular correspondent of Sig's through the years. Sig kept him posted on the news of the members of the old gang including myself as I learned from a long letter which Ned wrote me after Sig died.

I played left end and Bobby Marshall played right end on the powerful 1900 team of Minneapolis Central High and Sig was quarterback. That was the team that actually defeated Dr. Williams' "Giants of the North" by scoring a touchdown, which the officials did not allow so it was officially 0 to 0. Roger Gray, Max Ricker, Jack Bidlake and his brother were all on that team. We played all of the high school teams in Minneapolis, plus St. Paul Central, Pillsbury Academy, Madison, Wis. high school, Elgin, Ill., and would have played Hill School for the championship of the U.S.A. if Prof. Greer, principal of Central, had allowed us to make the trip. Net result we ran up about 265 points against our opponents to 5 points

against us. Pillsbury Academy, on which Sunny Thorpe played, made the only score against us, but we beat them 15 to 5.

I did not play football at the U. because I graduated from the School of Mines which was much tougher than it now is (65 started in my class and only 9 of us finished). The dean frowned on football. Told the freshmen if they were there to play football to get into another school.

Sig came over to see me shortly before he was taken ill and we had a two hour gab-fest going over old times. In the fall of 1905 he and Dean Nicholson came to see me to beg me to get out for the team as they were short on ends. I had to say no that I must graduate and I could not do that and play football. That was one of the hardest decisions I ever made, but my family was not particularly well off and they needed some financial support from me as soon as it could be had. I would have given my eye teeth to have been able to join the "M" Club, but that is that.

This is to fill you in on Sig's background as I know it. If it is repeti-

tion of anything I have written before I apologize.

Walter H. Wheeler
Minneapolis

Hubert Again

Sir:

A CBS television announcer at 11:15 p.m. on January 20 stated that Hubert Humphrey had gone to Macalester and to a college in Louisiana, but that he had never attended the University of Minnesota. I think this is wrong. Please advise. When did Humphrey attend the University of Minnesota, what degrees did he receive from the University, and what honors? I'm an alumnus who has been bragging to his children about our new V.P. of the U.S.A., and I've been called to account. Help, please.

Delbert F. Jurgensen
'31BChE '32MS '34PhD
New York

Editor's note: Humphrey received a bachelor of art's degree from the University of Minnesota in 1939, and attended graduate school here in 1940 and 1941. He did not at-

(Continued on page 18)

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Why I decided to go "back to work" at 35



Charles "Bud" Hoffman (left), the largest Chevrolet dealer in Western Maryland, discusses his new insurance program with New England Life representative Elmer Wingate.

Back in May of 1963 Elmer Wingate decided to change jobs. He was 35, and the idea of a career in life insurance appealed to him since he wanted to go into business for himself. "After teaching sales and being in sales management, I asked myself if I really wanted to go back to work," Elmer says, "back to the 'nuts and bolts' of face-to-face selling. But I knew that life insurance was a business with unlimited potential, where a man's income directly reflects his ability."

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Memo

From
ED HAISLET
Executive Director

TO: Membership:
SUBJECT: Are University of Minnesota Graduates Leaving the State?

From time to time the Alumni office receives letters and telephone calls raising the question, "Are more and more Minnesota graduates leaving the state?" The answer is "no." Actually, an analysis of our alumni body—some 114,096 good addresses on our mailing list—shows that since 1957 there has been a slight percentage decrease in the number of graduates who leave the state.

Alumni counts are made according to state, and by college within the state. The same kind of count is made for the three metropolitan counties of the state, Hennepin, Ramsey and St. Louis (Duluth area). Alumni counts are also made for each of the other 84 counties of the state as well as by class. Each year a readers' survey is made through the pages of the Alumni News to find out how our graduates earn their living and what kind of people they are.

Since Alumni counts were started in 1957 there has been little change in the overall pattern of where our alumni choose to live. Alumni counts since 1963 have been made by computer.

The new count taken in January 1965 shows that 65.8% of our total alumni body now lives in Minnesota, as contrasted to 64.5% in 1963 and 64% in 1957. Of this total 29.4% live in Hennepin County, as contrasted with 28.6% in 1963 and 26% in 1957: 11.7% live in St. Paul as contrasted with 11.5% in 1963 and 11% in 1957. The 53,103 graduates living in the three metropolitan counties of the state—Hennepin, Ramsey and St. Louis (Duluth)—comprise 46.6% of total alumni. A total of 21,928, or 19.2%, live outside the three metropolitan counties of the State.

Alumni living outside the state number 39,065, or 34.2%, as contrasted to 35.5% in 1963 and 36.0% in 1957. Note the definite trend for graduates to remain in Minnesota. The 39,065 alumni living outside the state reside in all fifty states of the Union, in all of the United States' possessions and territories.

The states that compete for Minnesota alumni as indicated by place of residence are—in order: California, Wisconsin, Illinois, New York, Iowa, Michigan, Washington, North Dakota, Ohio, South Dakota, and Texas.

States least attractive to Minnesota alumni are: Vermont (32), Maine (45), Rhode Island (58), South Carolina (70), Mississippi (72), Nevada (80), New Hampshire (85), Alaska (95), Arkansas (107) and West Virginia (112); a total of 756 graduates or an average of 76 per state.

According to alumni records there are 2,232 graduates (1.95%) living in foreign countries with the greatest number living in Canada (643), 492 in Asia, 359 in Europe, 258 in the islands, 172 in South America, and 116 in Africa. Actually, Minnesota alumni live in 68 other countries of the world.

Alumni living in Minnesota, broken down by the college from which they graduated, and contrasted to the 1963 and 1957 figures, are as follows:

College	1965	1963	1957	College	1965	1963	1957
Ag Education	94.3			Education	70.2	69.0	68.0
U of M Morris	93.8			Geology and Mineralogy	70.1		
Genl. College	89.9	89.2	87.0	Bus. Admin.	69.3	68.6	70.0
U of M Duluth	83.3	82.9	87.0	Occ. Therapy	69.0	69.1	59.0
Dent. Hygiene	72.8	71.3		Non grads	67.1		
Law	72.2	71.8	71.0	CLA & U College	66.3	66.1	66.0
Home Ec Ed.	71.8			Dentistry	66.3	66.0	69.0
Pharmacy	71.1	75.8	83.0	Mort. Sci.	65.7	67.3	

Home Ec	65.0	42.0	65.0	Chem. Eng.	48.4	41.3	43.0
Med. Tech.	64.1	64.4	64.0	Nursing Ed.	46.5		
Genl. IT	63.2			Forestry	44.8	48.4	56.0
Architecture	63.2	62.3	63.0	Grad School	43.3	40.4	36.0
Social Work	62.4			Chemistry	40.7	45.0	
Mech. Eng.	61.1	61.6	59.0	Mines & Met.	40.0	39.0	40.0
Journalism	59.3			Aero Eng.	38.5	38.9	38.0
Civil Eng.	59.1	61.8	59.0	Public Ad.	37.8	27.7	
Vet. Med.	58.8	61.7		Agriculture	30.0	31.4	
Library Sci.	58.8			Hosp. Ad.	28.1	27.5	
Elect. Eng.	57.2	55.0	51.0	Public Health	23.7		
Nursing	51.2	64.0					
Ag. Eng.	50.4	54.7	58.0				
Medicine	50.4	50.7	58.9				

Some of the professions, such as science and engineering, require graduates to move more often than others. Almost 25% of the alumni body change their addresses each year. Military service also causes people to move often, and to find permanent residence in states other than Minnesota.

The overall percentage of 65.8% of Minnesota graduates living and working in the state is a very satisfactory one. And the trend is up. Serial exchange, that is, graduates of other colleges who move to Minnesota for business or other reasons, more than make up for the loss of our own graduates.

Sincerely,

Ed Hauslet



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The greatness of a university is in no small degree measured by the greatness of its library. At a time when higher education in the United States is undergoing a major revolution, and the ability of the library to cope with rapid-fire change is of primary importance, it is significant that with every passing day it is becoming increasingly more difficult for a university library to become great, and having achieved that level of excellence, maintain it.

In the long history of the University of Minnesota Libraries, it might superficially seem that the past decade was simply another period in which the normal increases in collections and services marked the adjustment of library resources to the expanding needs of a growing University. In reality, however, it has

Figures for other countries show the same trend — up, and in a steeply rising curve to boot.

Compounding the problem are the skyrocketing costs of these materials. Both the U.S. Office of Education and the American Book-Publisher's Council report that, whereas all items on the Consumer Price Index increased by 10.4 per cent between 1955 and 1961, book prices climbed by 29.0 per cent, and subscription rates rose 22.8 per cent. According to Congressional testimony on H.R. 3000, the National Education Improvement Act, given in February of 1963, "... science is now authoritatively estimated to account for 50,000 different periodicals, with some 21,000 in biology alone. . . . The rise in the cost of these materials is astronomical. Seven years ago *Chemical Abstracts* cost

THE LITERATURE EXPLOSION

been a period in which needs have grown more rapidly than the resources and facilities required to meet them. The result has been a heightened sense of frustration on the part of both the library patron and the librarian, testing simultaneously the patience of the first and the endurance of the second.

Although a part of the library's present problems are related to the fantastic growth in the University's enrollment, the bulk of the blame may be laid at the doorstep of another villain — the curious but far-reaching and deadly phenomenon most often referred to as "the literature explosion" — that yeasty eruption of books, reports, scientific journals, magazines, pamphlets, documents, and newspapers that threatens to drown university library budgets and physical facilities in a tidal wave of printed material.

The magnitude of this "explosion" is difficult to summarize, but it may be illustrated by the fact that *Scholars Work and Works*, a recent publication of the Ford Foundation, estimated that there are "320,000 separate titles published every year. . . . Currently published scientific journals alone may total 100,000 throughout the world. In a single field — medicine — it has been estimated that some 200,000 journal articles and 10,000 monographs are published annually."

The most recent world book production figures show a steady, although not quite as astronomical, rise in publishers' output, with the most significant increases occurring in the United States, where the average annual publication increase during the past 5 years has been 18.3 per cent.

By broad subjects, this annual average increase in U.S. publications breaks down as follows:

Science and technology	494 more titles
Social science and humanities	1318 more titles
Fiction and miscellaneous	653 more titles

\$60 annually; its special 'library rate' is now \$500 per subscription. *Biological Abstracts* increased from \$50 to \$180, *Biochimica and Biophysica Acta* from \$36 to \$144, and *Chemisches Zentralblatt* from \$60 to \$325."

What are the causes of this "explosion" threatening libraries?

"There are several," says Edward B. Stanford, Director of the University of Minnesota Libraries. "The principal cause is the general expansion of research and writing in the academic world, particularly the scientific fields, since World War II. The availability of contract research funds has greatly stimulated productive scholarship, and as a result, technical report literature has mushroomed in the sciences. At the same time there has been a proliferation in the numbers of totally new fields of study, each of which is developing its own particular journal literature, many of which overlap each other."

"From the point of view of libraries," he adds, "the established journals, on the other hand, are fragmenting — dividing up their fields into narrower and more specialized sub-fields, and in rushing pell-mell to get the very latest information out promptly, have resorted to such things as news sheets to supplement the journals."

Undoubtedly adding to the profusion of printed matter is the growing faculty attitude of "publish or perish." According to one faculty member, "there is a compulsion to publish — to keep your bibliography active every year, because it is principally by his record of published works that a teacher's advancement, or lack of it, is determined." Another states that "for the career scholar, his heart is in research, not teaching . . . there is a definite tendency to make teaching a little sideline while he builds his own specialty." The

simple fact is that, in college and university teaching, career goals and career rewards are oriented toward publishing.

Related to this changing status of teaching on the part of college professors is a change in the process of learning for the student, with increasing emphasis being placed on outside research and reading, as opposed to the lecture-note system.

Stanford says that another problem for the large university library, such as Minnesota's, is the increase in totally new academic programs. "Years ago," he says, "a library could get along by catering principally to the teacher's interests in what I call the 'old-line' disciplines. Now, with the tremendous addition of many new Ph.D., Master's, and area study programs, we're being called upon to provide source materials for areas or subjects that just a few years ago were not offered at the university. While we do have some materials in our collections related to these new areas of study, we are now being forced to provide much greater breadth and depth to back up the research programs."

Typical is the great flurry in African, Asian, and Latin American studies, as well as those relating to

can geography, and Antarctic geology.

"What many people fail to realize," Stanford adds, "is that every time a new program is offered, it has library implications. We must develop good research collections in each of the new directions in which the University is interested, and we must do it in the face of greatly increased material costs."

When you discuss such costs, he says, "you're talking in terms of 'mega-bucks'. For the most part, scientific and technical journals in specialized areas that used to cost us \$5-\$10 per year, now cost \$20 or \$30. We invest several thousand dollars a year just in English translations of current Russian scientific journals, subscriptions which benefit a relatively small number of people on campus, but which are absolutely essential."

To determine which of the requested books get purchased, and when, the library uses a system of priorities. There are three classifications of such priority.

The first, Stanford says, consists of the absolutely essential materials. "... we buy all of these." The second consists of those publications which are less necessary immediately, and whose acquisition

ordering well before the beginning of the last fiscal quarter. Since most faculty members are well aware of the chronic shortage of funds, some have simply given up asking for needed materials.

Requests for specific book purchases come to the library from individual faculty members or departments. Concerning such requests, Stanford explains that it is the library's policy to "take the word of the requesting scholar that a specific book or journal is needed. We have to depend on the faculty to inform us of the ongoing needs. But even there we sometimes run into problems in pleasing everyone. For example, a new faculty member, a specialist in an area that is new to the University of Minnesota and therefore to the library, might come in with \$10,000 worth of book requests. When that happens, all we can do is sit down with him and explain the situation."

Because the ongoing budget for books is so heavily committed each year to the purchase of first priority requests from the faculty, the Library has not been able to acquire, in some areas, important new books which it should own simply because they have not been requisitioned for immediate use.

Similarly, some traditional and logical interests of the state and of the University have fallen into neglect through the departure of interested faculty members, who previously took the responsibility for requesting the publications needed to maintain strong library holdings in their areas of specialization. The Library has long had an international reputation for the excellence of its collection in Scandinavian and Canadian materials, a reputation that is now slipping.

The University of Minnesota Libraries constitute one of the great research libraries in the United States, and the statistics backing that claim are impressive.

With its 2,291,459 volumes it ranks 10th in the country among university libraries in the size of its collections, despite the fact that the building in which those volumes



other underdeveloped areas of the world.

During 1962-63, for example, there were special requests made to the library for resources on Indian philosophy and Sanskrit materials involving more than \$10,000, which could only be met in part. There were also special demands for Hungarian literature, materials on Poland, Czechoslovakia, Chinese history, Greek church history, Afri-

can be deferred for a time; "... these we might not buy till late in the year, when we know how our final budget shapes up." The last priority consists of those books which "never get ordered," simply for lack of funds.

One evidence of this critical shortage of funds appears in the buying history of the Library over the past five years. Since 1958-59, it has been necessary to stop all

are housed — Walter Library — was completed over 40 years ago when its holdings barely totaled 400,000 volumes. In an average year it adds 60,000 to 70,000 volumes to its collections. Last year it added a total of 73,542. It is this high rate of additions which has caused the collections to double in size in just the last 20 years. It receives, as a regional depository, more than 20,000 U.S. documents each year. It also receives 15,000 serial publications (periodicals) annually, and has over 26,000 reels of newspaper back files on microfilm. Despite its growth, and that of the University, the main library building can muster only 1400 seats for use by an enrollment exceeding 30,000 on the Minneapolis campus.

For Lower Division students, the library provides a "Freshman Sophomore Library" in Johnston Hall, and operates another twenty special department subject libraries to serve Law, Engineering, Agriculture, the Bio-Medical Sciences, and a number of other units such as Art, Architecture, and Music.

But despite the impressive statistics and superficial air of well-being, the Library's adequacy is clearly in jeopardy, as the accompanying tables indicate.

The figures shown were compiled from *Library Statistics of Colleges and Universities*, published by the U.S. Office of Education. Included for purposes of comparison among those public institutions spending over \$450,000 in 1962-63 for books, periodicals and binding are the 15 with the largest enrollments.

The *Comparison by Expenditures for Resources*, Table I, indicates that Minnesota's relative position in the group had dropped during the particular time period indicated, and that its dollar increase is proportionately smaller than most.

Taking Table II with Table I, the amount of ground lost in the interval becomes more obvious. In 1951-

Part of the stacks in Walter Library where some of the thousands of journals in the library's collection are stored.



52 Minnesota ranked second in enrollment and sixth in total expenditure; in 1962-63 it ranked first in enrollment, with the second largest percentage increase in enrollment, but had fallen to eight place in expenditures for books, periodicals and binding.

Since one common factor that creates demand for the varieties of library materials is population, the inadequacies of the library's book budget become especially clear in Table III, which shows the "per student expenditure" for library material. Not only has the Library fallen from sixth to last place in relative rank, but its "per student" increase of \$1.00 during the period of over a decade is negligible.

As a librarian, Stanford prefers another measure of the library's adequacy, one which is less quantitative, but brings the problem down to a much more personal level.

"The best measure," he says, "is simply this: to what extent are we able to meet the demands upon us?"

"The fact of the matter is that, as time goes by, we find ourselves less and less able to meet those demands. This is principally due to the increased enrollment, which has put greater pressure on the book collection.

"The pressures really come at us at two levels of student use," he explains. "On the one hand, the growing mass of undergraduates requires more and more duplication of heavily used titles in the basic collection. At the same time, the increased graduate and honor programs are intensifying the use of the single copy materials in the research collection. So we find ourselves with service gradually breaking down and having to turn away more student requests without being able to meet them with the available book stock. Under these pressures, the library's present collection can no longer meet the needs, and we are faced with duplicating more second-level titles."

Staffing is now a major problem. The larger libraries are open more than 80 hours a week, including

Sunday afternoons, and it requires a staff of more than 200 full and part-time employees to man the many service desks and to select, order and catalog the books. Staffing hasn't increased in proportion to the University's enrollment growth, which each year intensifies the difficulty of providing the expected and needed service.

"At the moment," says Stanford, "we can only fill, on demand, 48% of the book requests we receive, (down from 85% just 4 years ago) due to the fact that more and more titles are almost continuously out on loan and thus not available when called for. We do try to recall such books, to share their use, but in spite of our best efforts we find that there is a growing number of books that we cannot produce promptly."

The University's departmental libraries relieve some of the strain, but they do so at a price. Except for the largest ones, they are open, for lack of staff funds, fewer hours than the main library, and their collections are generally limited to a single subject field.

Such departmental libraries can be justified, says the library head, when the subject involved is sufficiently discrete so that there is no overlap with the materials required by another department, and when there is sufficient material available in a specific field of study to justify a separate library. Such departmental libraries at Minnesota as Chemistry, Law, and Medicine have been successful for these reasons.

"But," Stanford adds, "the in-

Table I. Comparison by Expenditures for Books, Periodicals, and Binding 1962-63 1951-52

Institution	1962-63		1951-52		Increase
	Rank	Expenditures	Rank	Expenditures	
California	1	\$1,265,333	1	\$472,190	\$793,143
UCLA	2	1,242,710	2	455,089	787,621
Texas	3	904,676	14	139,779	764,897
Illinois	4	900,128	3	378,007	522,121
Washington	5	811,129	11	120,479	690,650
Michigan	6	777,750	5	251,500	526,250
Indiana	7	684,000	4	257,446	426,554
Minnesota	8	580,925	6	242,738	338,187
Wisconsin	9	548,631	7	230,455	318,176
Pennsylvania	10	542,976	9	200,341	342,635
Purdue	11	500,534	13	100,370	400,164
Ohio State	12	485,929	8	205,598	280,331
Maryland	13	467,067	15	66,844	400,223
Michigan State	14	466,815	12	111,000	355,815
Penn State	15	453,272	14	94,939	358,333

Table II. Comparison by Enrollment* 1962-63 1951-52

Institution	1962-63		1951-52		Per Cent Increase	Rank by % Increase
	Rank	Enrolled	Rank	Enrolled		
Minnesota	1	45,849	1	22,311	120	8
Illinois	2	34,059	1	22,311	52	8
Indiana	3	31,679	15	10,380	205	1
Ohio State	4	30,655	3	20,718	48	9-10
Michigan	5	29,581	4	19,365	53	7
Michigan State	6	28,038	9	14,976	87	6
Wisconsin	7	25,925	5	17,536	48	9-10
Maryland	8	25,361	12	12,813	98	5
Penn State	9	25,282	13	11,553	118	3
California	10	25,092	7	16,136	36	12
Washington	11	23,906	11	14,796	38	11
Texas	12	23,882	8	15,738	34	13
Purdue	13	22,316	14	11,058	102	4

* Includes resident and extension graduate and undergraduate, and daytime and evening students as reported by the U.S. Office of Education.

Table III. Comparison by Per-Student Expenditure for Library Materials 1962-63 1951-52

Institution	1962-63		1951-52		% increase or decrease
	Rank	Per-student	Rank	Per-student	
UCLA	1	\$62	1-2	\$30	107
California	2	51	1-2	30	70
Texas	3	38	8-9	9	322
Indiana	4	22	10-13	8	325
Washington	9	34	10-13	8	142
Illinois	6	26	4	17	60
Pennsylvania	5	29	5	13	100
Purdue	8	23	8-9	9	156
Indiana	9	22	3	23	-4
Wisconsin	10	21	10-13	8	162
Maryland	11	19	15	5	280
Penn State	12	18	10-13	8	125
Michigan State	13	17	14	7	143
Ohio State	14	16	8	10	60
Minnesota	51	13	6	12	8

creasing degree of overlap between subject areas, even in the sciences, is making it necessary to duplicate some expensive books and journals in order to have them available in those departments which now require them."

To meet these problems of library and enrollment growth, which are by no means peculiar to Minnesota, major universities such as Harvard, Michigan, Illinois, and Stanford are providing separate facilities for a large research library and an undergraduate library.

For the University of Minnesota, the proposed West Bank library will be primarily a library to serve the Social Sciences and the Humanities. This building, for which an appropriation request to the Minnesota State Legislature is now pending, is hopefully scheduled for ground-breaking this summer.

Designed to eventually house 1,500,000 volumes and to provide seating accommodations for 2,000 readers, the West Bank library will be located across Third Street from the present West Bank towers, and will include a basement, sub-basement, and four floors above ground containing a total of 218,000 square feet of assignable space.

The initial Legislative authorization, granted in 1963, was for \$4.2 million, to be used in developing plans and in constructing the first part of the structure—the basement and first floor.

The new library will house the basic resources for the Social Sciences and Humanities, and will also provide space for a Documents Room, which has never been possible in Walter Library. It is also planned to contain the basic periodical collection, the reserve book services, the public catalog, the cataloging and acquisitions departments, and the basic book collections for which the catalog is the guide.

It is Stanford's hope that funds for the second phase of construction can be obtained from the Legislature in 1965, to permit construction and completion of the basic library building as one project, so that a single move can be



Lack of adequate study facilities result in scenes like this on Walter Library's stairs.

made to occupy the completed structure without the necessity of dividing the cataloged resources, even temporarily, between East and West Bank locations.

Other steps are being taken to contain the "literature explosion." One is the recently announced establishment at the University of a "Center for Documentation and Information Retrieval." To be affiliated with the Library School, under the direction of Dr. Wesley C. Simonton, associate professor of library science, the center will engage in teaching and research aimed at improving techniques for acquiring, cataloging, storing and retrieving information in all subjects.

According to E. W. Ziebarth, dean of the College of Liberal Arts, the center "is being established in an attempt to respond to the increasingly complex problems of the bibliographical control of scholarly publications created by the 'literature explosion' of recent years."

One activity already undertaken by the center was the offering of a

fall quarter Library School course titled "Introduction to Information Retrieval." Content of the course, which will be offered at regular intervals in the future, includes methods of disseminating information, needs and requirements of users of scholarly information, methods of data analysis, and file organization, and the application of machines to traditional library operations.

What of applying automation to the University's cataloging and retrieval problems, thereby reducing the staff costs and improving service? The Library of Congress has considered such a project for its own use, but estimates the cost at somewhere between \$50 and \$70 million. In Stanford's opinion, ". . . while the University of Minnesota Libraries are significantly smaller than the Library of Congress, it would appear doubtful that, in the light of the costs involved, any major shift to automation, of the kind envisioned for the Library of Congress, would be considered

(Continued on page 24)

MIKE is nine years old. He is also handicapped, perhaps for life.

His present chances for recovery, and his parents hopes, are principally dependent on the University of Minnesota's Children's Rehabilitation Center, a \$2 million facility which opened last fall on the Minneapolis campus. There, in an atmosphere of patient care and loving interest, handicapped children — some worse off than Mike — are helped to rejoin the world of the living.

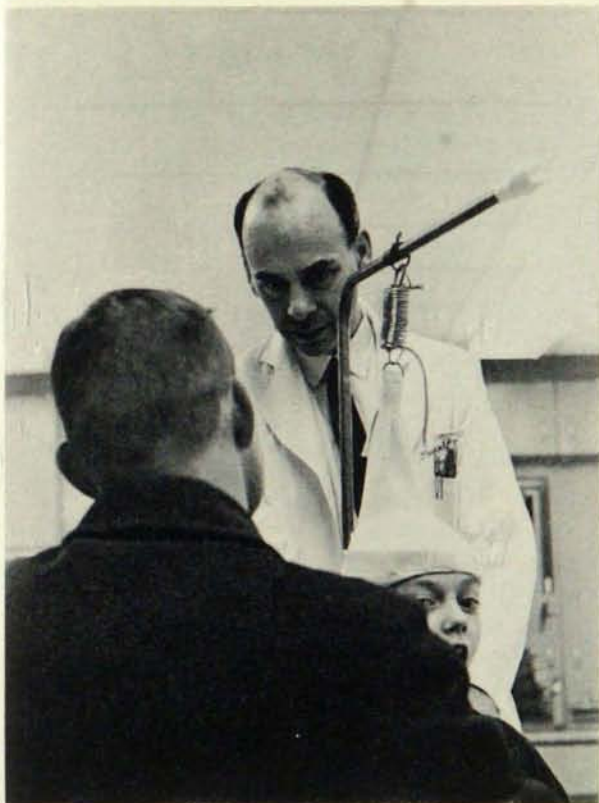
Like many other handicapped children, Mike was not always as he is now. Born a perfectly normal and healthy baby, happy and smiling, he became a little boy with a vengeance. He learned to walk at 11 months, and by the time he was a year old, the most familiar sound around the house was his inquisitive "What's that?"

One day, while playing in the backyard, he fell and struck his head against a slab of marble. The doctor's diagnosis was a small fracture of the temple and a blood clot. He seemed to improve at first, and then began having difficulty getting up from the floor. Surgery was performed and Mike soon seemed well again. But not for long. Pressure from the clot had damaged his nerve center, and despite another operation, Mike lost control of his arms and legs. He was 14 months old at the time.

**Photography by
Kent Kobersteen**

MIKE





Above: Mike keeps an eye on the photographer while his dad confers with Dr. Daniel Halpern, assistant professor of physical medicine and rehabilitation.

The Children's Rehabilitation Center, where Mike goes for treatment, is housed in a sparkling seven-story building at the foot of Church Street, midway between the University Health Service and the Variety Club Heart Hospital.

Part of University of Minnesota Hospitals, the Center contains elaborate facilities for the hospitalization and treatment of children and some adults with physical disabilities who are in the transitional period between acute hospital care and independence at home. It also trains doctors, nurses, therapists, vocational counselors, social workers and other rehabilitation workers, and conducts research, particularly in the area of muscle function.

The Center was built with a combination of public and private funds, with more than half coming from the William Henry Eustis Endowment Fund. Eustis, an attorney and one-time mayor of Minneapolis, was himself a cripple, and bequeathed almost his entire fortune to the University to be used to help crippled children.

Right: Wherever he goes, Mike rides in a special wheel chair, built for him by the Center. The straps hold his spine erect while the spring-suspended cap supports his head, which he cannot hold erect independently.





Connie Burrill, assistant supervisor of physical therapy in charge of the Children's Center, works with Mike during each of his three 1½-hour visits a week, improving his ability to support himself and grasp things. He also receives speech therapy regularly.

Other funds came from Crippled Child Relief, Inc., of Minneapolis, the University's Max Ogden Cole Fund, the federal Hill-Burton Hospital Construction Program, and several other private donors.

The rehabilitation treatment center which Mike visits three times each week is located on the sixth floor, and has all of the therapeutic facilities for the physical restoration of disabled children. Therapy given here provides functional and supportive treatment for children up to sixteen years of age. The physical therapy section on the same floor treats children with a wide variety of physical disabilities, and numbers among its facilities a hydrotherapy room, a gymnasium, and individual treatment rooms.

But more important than the facilities are the Center's dedicated staff members, headed by Dr. Frederick J. Kottke, the Center's director and also head of the Department of Physical Medicine and Rehabilitation. These people work miracles for crippled children every day. Perhaps, one day, they may even work one for Mike. □

First stop on most of Mike's visits is to see Mrs. Marge Vessey, assistant supervisor of occupational therapy, who works with him on a mat for 30 minutes or more, helping him use unused body and leg muscles.



ALUMNUS ON THE MOVE!

Minnesota's newly appointed attorney general, Robert W. Mattson, takes an expansive view of the scope of his new job. The 40-year-old former Minneapolis attorney was named by Governor Karl Rolvaag in December to fill out the remainder of the term vacated by another Minnesota alumnus — Walter Mondale '56LLB, now a U.S. Senator — in a chain reaction that began with the assumption of the Vice-Presidency by Hubert Humphrey '39BA. Mattson

has a strong liking for crusading, and makes no bones about the inclination.

"The attorney general," Mattson says, "must take the initiative in investigating suspicions of fraud and similar practices, or no one does."

But the stocky, solid-looking attorney general has no intentions of limiting his activities to just dishonest business practices. He views the attorney general's job as a many-faceted one, and says the state's top legal officer is obligated not only to enforce existing laws but to make his opinions known when he believes the laws need changing.

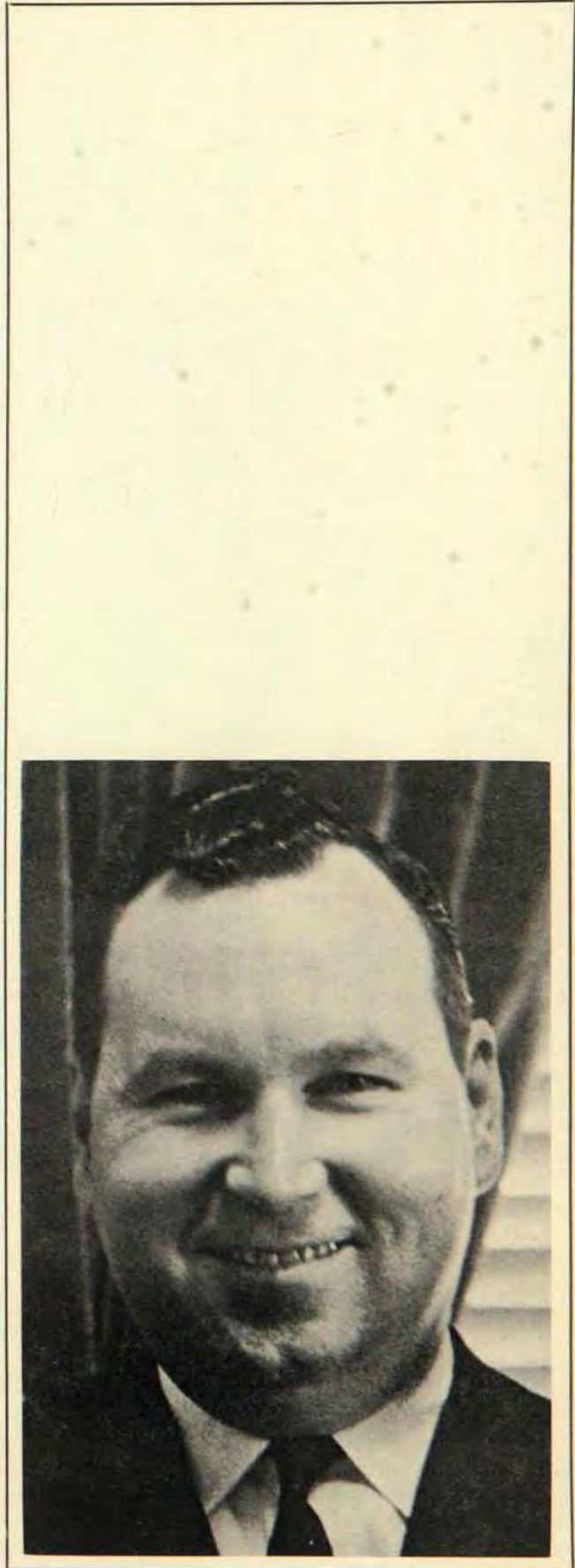
According to Mattson, the attorney general must also act as a principal adviser to the governor and to the executive departments, and is obligated to "offer his thoughts" and his opinions to the state's legislators, at the same time acting as a "watchdog" for the people, insuring that they receive the full benefits of the state's power.

The most important of these, he says, is the role as "the lawyer for the people" and the responsibility to "speak out for reforms in the law. If the attorney general feels, for example, that civil liberties or civil rights are not being handled properly, he should recommend changes" as a "spokesman for the public."

As a native of Minnesota's Iron Range, the problems of the Range are of special interest to Mattson, and his familiarity with the area and its economic difficulties are said to have been prime factors in his appointment. He has a number of things in mind to strengthen the area's economy, including development of the timber, peat and tourist industries. Through his chairmanship of the governor's Task Force for Economic Development, he also hopes to lure in enough companies to build an electronics or "highly specialized engineering" industry in that part of the state.

Other fields to which he will devote major effort during his term will include civil liberties, civil rights, welfare, advancement of education, consumer protection, unemployment and antitrust problems.

Mattson's big leap from private law practice to state office hasn't landed him in totally unfamiliar territory.



He has been in the attorney general's office once before, in 1955, when he joined the staff of Miles Lord and served as chief deputy attorney general until his resignation in 1960. However, being out of the public eye for four years can scarcely be considered much of a political asset when it comes to winning elections, which Mattson will have to do in 1966 to stay in office. The fact that he has scarcely more than a year in which to establish his political reputation does not deter him. He faces the campaign, Mattson says, "with confidence. I hope that based upon the record I make while in office the people will determine I should win the election."

Although described by one official as a "political enigma," he will not go into battle a complete greenhorn. His one previous try for office came in 1954 when he ran unsuccessfully for the State House of Representatives. Among three candidates, each of whom had been endorsed by the Democratic Farmer-Labor Party, Mattson ran third by about 1,000 votes.

Following this unsuccessful attempt, he widened his campaign experience by helping in Sen. Hubert Humphrey's unsuccessful presidential primary campaign in Wisconsin in 1960. He also worked in Miles Lord's re-election campaign for attorney general in 1958.

Originally attracted to DFL politics after World War II by the personalities of Sen. Hubert Humphrey and Rep. John Blatnik, Mattson says it was not so much a matter of knowing them personally as it was a case of "observing them and admiring them . . ."

Mattson was born in Virginia, Minn., in 1924 and completed one year at Virginia Junior College before entering the Army in World War II. He served as a combat infantryman in Europe and was awarded the Purple Heart for leg wounds received in France.

After the war, he returned to Virginia and graduated from junior college there, after which he attended the University of Minnesota, receiving the bachelor of science

in law degree in 1949 and his L.L.B. degree in 1950. Before joining the state service under Lord, he worked for the federal government as chief of the legal section of the Los Angeles Ordnance District, in California. He returned to Minnesota in 1953 and practiced law at Virginia, serving as an attorney for the Virginia School District. His first position with Lord's staff was as deputy attorney general for the State Highway Department, a position in which he supervised the legal staff handling right-of-way condemnation proceedings.

He also was in charge of the attorney general's investigation of the Sister Kenny Foundation. Because of his familiarity with the case, he stayed on as a special assistant to Lord's successor, Walter Mondale, to complete the investigation and prosecution.

He continued to work for Mondale part-time after his resignation in 1960 to join the Minneapolis legal firm of Mastor, Mattson, Hart and Seran.

As a special assistant, he represented the state in the 1960 hearing which stemmed from charges that the warden of Stillwater state prison had pilfered supplies from the prison pantry, a case in which the warden's dismissal was later upheld. In his private practice just prior to taking office, he was the attorney for the AFL-CIO and the Minneapolis Central Labor Union (CLU) in their defense against Walter Cramond, who filed suit over his ouster as CLU president.

Called a "gifted lawyer" by his predecessor in office, Mattson anticipates carrying on Mondale's liberal policies while in office, in line with his own solidly liberal philosophy which he says he acquired during the depression years when "the Democratic party seemed to have the best solutions to people's problems."

Despite the fact that he is unproved as a politician, there is little question but that Mattson's appointment to one of the most important and influential posts in the state government will make him a

power to be reckoned with in Minnesota politics. □

LETTERS

(Continued from page 5)

tend either of the schools mentioned, but taught political science at both, as well as at the University. Honors include election to Phi Beta Kappa, Delta Sigma Rho, and in 1959, the Outstanding Achievement Award, the highest award the University makes to one of its alumni.

ALUMNUS-TO-BE

Sir:

Thank you for my Minnesota pennant and also for the information on the University. I told my parents that I might go to college there in 1972. Thanks again so much.

Kirk Pentschler (Age 10)

THANKFUL

Sir:

Enclosed find check for six dollars for the Minnesota Alumni Association in appreciation for all the transcripts of my credits the University has sent me free.

Mrs. Olga (Storm) Stehr
Athens, Ohio

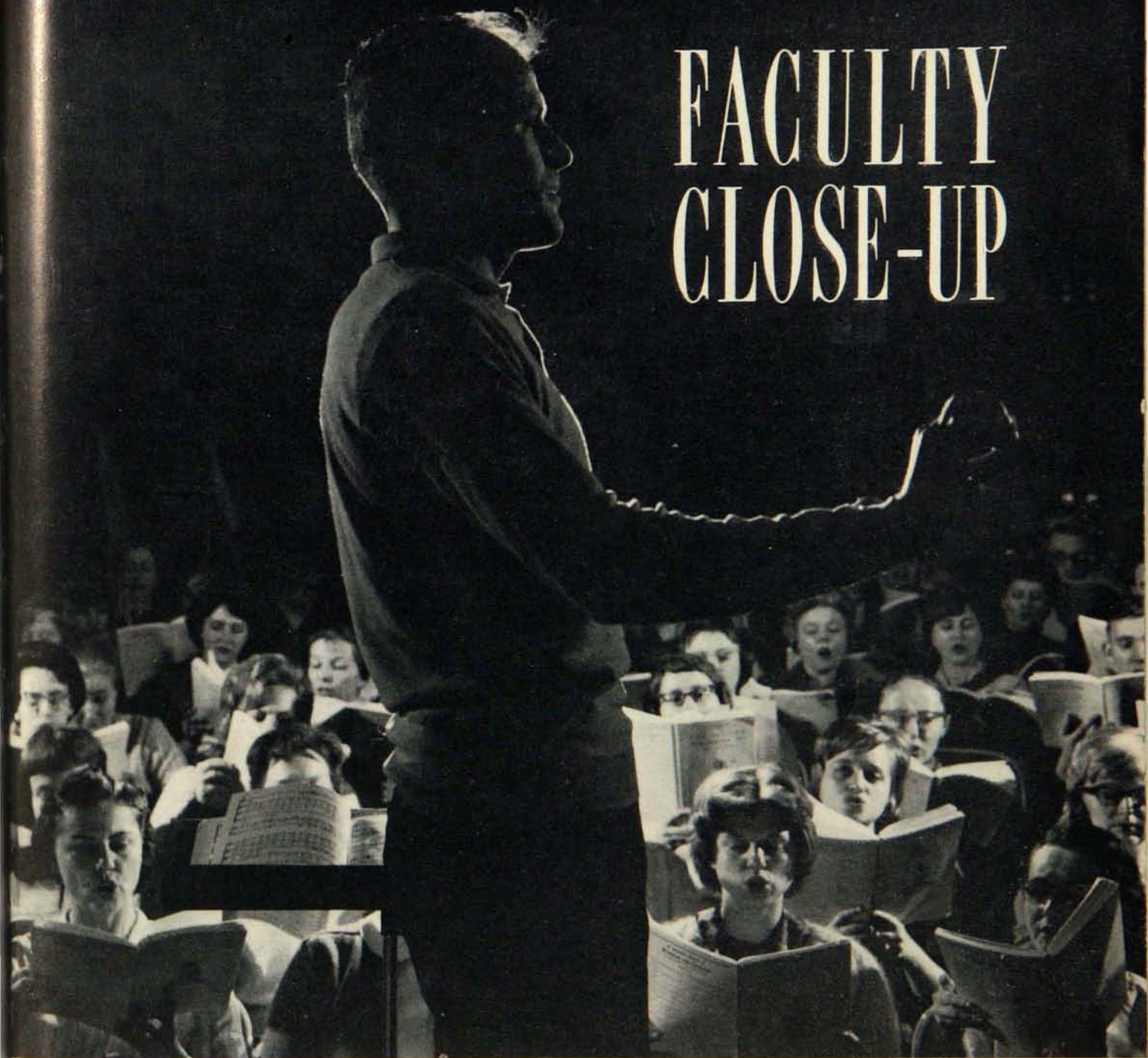
BOOKS

Prizewinners

Two books designed by Jane McCarthy, production manager of the University of Minnesota Press, were among the winners in the ninth annual Midwestern Books Competition, sponsored by the University of Kentucky Libraries. One of the books, *Alms for Oblivion*, by Edward Dahlberg, was published by the University of Minnesota Press. The other, *Christmas Poems of Edwin H. Ford*, was privately published. The late Edwin H. Ford was a professor of journalism at the University of Minnesota. Books entered in the competition were judged on the basis of their design and quality of production.

ALUMNI NEWS

FACULTY CLOSE-UP



DAVID L. LA BERGE, professor of psychology at the University of Minnesota, is an admitted "nut" when it comes to the music of Johann Sebastian Bach. Shown above at a rehearsal of Minneapolis' Bach Society, of which he is the director, La Berge led the Society in its February presentation of the sixth annual Bach Festival, the major undertaking of which, this year, was the "Passion According to St. John," performed by the 200-voice Bach choir, a full symphony orchestra, and five soloists. La Berge feels a very close personal relationship with Bach, whom he describes as a "down to earth man doing his job. He had the same problems that conductors and choir directors today have. He worked like a son-of-a-gun and he was largely unappreciated. His music is profound, warm, personal, and even

jazzy . . . but in addition to this he had perhaps one of the greatest insights into man's relationship to the cosmos of anyone." La Berge came to Minnesota in 1958 from the University of Indiana, where he taught for three years after receiving his Ph.D. degree from Stanford in 1955. Before that, he received his B.A. degree cum laude from the College of Wooster (Ohio) in 1950, and a Master's degree in 1952 from Claremont College in California. He joined the faculty of the Department of Psychology in 1958 as an associate professor, and was made a full professor in 1962. The author of numerous articles for professional journals, he studied under a National Science Foundation grant from 1958 to 1960.



KARLIS KAUFMANIS Jupiter and Saturn met in the constellation Pisces almost 2,000 years ago, and for 25 of those years Kaufmanis has been telling his classes about the origin of the Star of Bethlehem in their heliacal rise (when planets and stars rise before the sun). He first became interested in the Biblical star as a student in his native Latvia, and has now described his theory so often that it has become a campus Christmas tradition. Born in Riga, Latvia, in 1910, he received his degrees in mathematics from the University of Latvia in 1939 and 1943. After teaching in a number of schools in his own country and Germany, he came to the United States in 1949 and joined the faculty of Gustavus Adolphus College. Now a naturalized citizen, he first came to the University in 1961 as a visiting lecturer, and joined the faculty as an associate professor of astronomy in 1962.

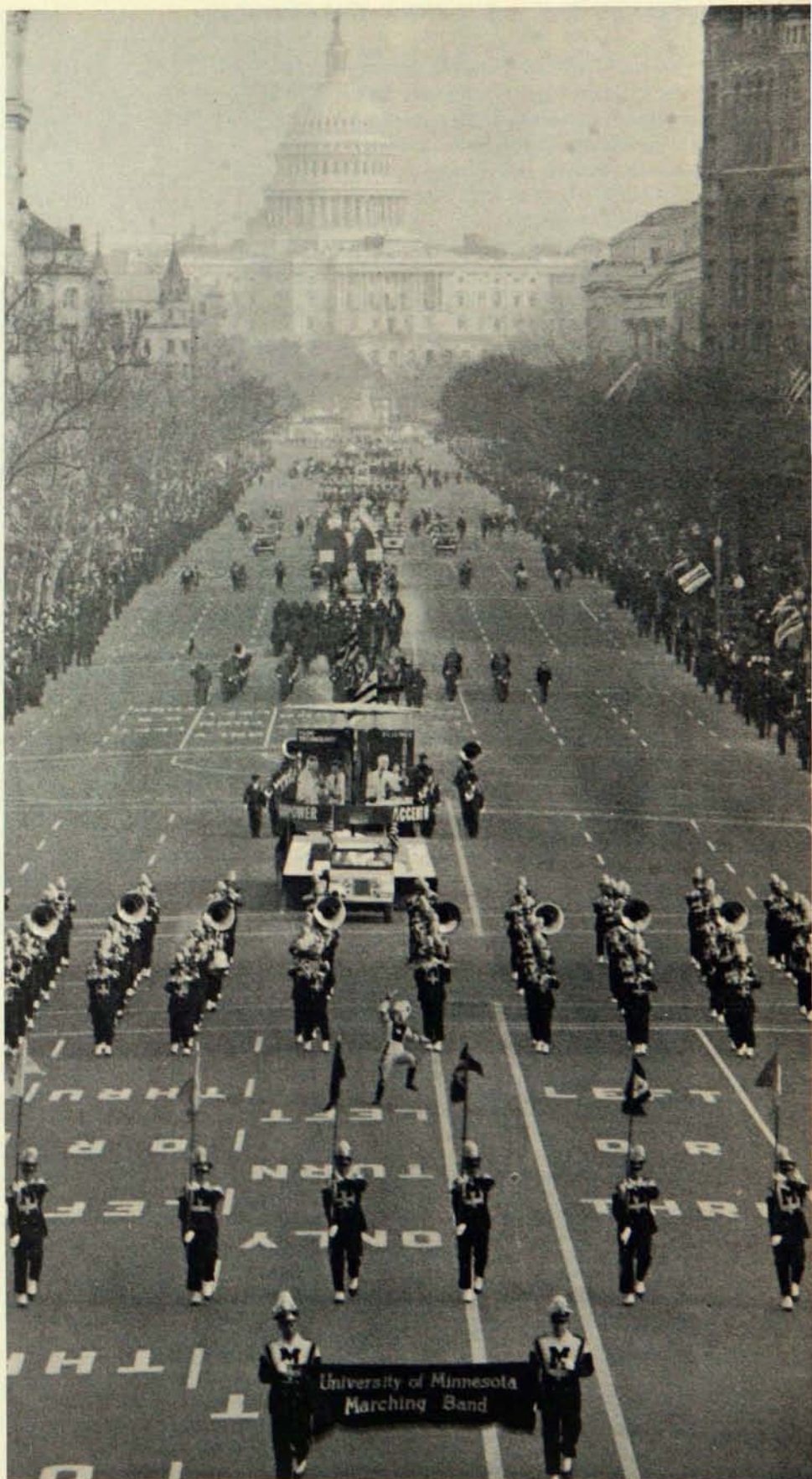
JOHN R. ELLINGSTON Professor of criminal law administration in the Law School, Ellingston was born in Butte, Montana in 1897, and received his B.A. degree from Yale in 1919. After two years as a fellow in sociology and history at the Universities of Brussels and Ghent, Belgium, he became a reporter for the *Paris Herald* and later for the *New York Times*. After working for the Smithsonian Institution and several Federal housing agencies, in 1940 he took charge of the American Law Institute's Youth Authority Program, and served on the committee which drafted the Statement of Essential Human Rights on which the U.N.'s International Declaration of Rights is largely based. He joined the University's faculty in 1953, and heads the school's Training Program in Delinquency Control, which is responsible for the Juvenile Officers Institute and the Juvenile Court Judges Institute. Under his direction the program has gained national attention and a world clientele in its pioneering efforts to train personnel working with juvenile delinquents. Ellingston believes that delinquency is a function of adolescence which will eventually be outgrown, and working with delinquent children is a "question of understanding the nature of the phase the child is passing through."



this is a university

The glamour and excitement of appearing in an inaugural parade came to the 165 members of the University of Minnesota Marching Band on January 20, as they played their way through Washington to salute Hubert Horatio Humphrey, vice president of the United States, native son, and undoubtedly the most famous alumnus of the University of Minnesota. Marching down Pennsylvania Avenue from the Capitol, barely visible here in the background mists, the all-male band (which was wearing long johns and heavy sweaters under the flashy uniforms) was going full blast by the time it rounded the corner and headed for the White House. Leading the way was a high-stepping drum major, followed by ten standard bearers carrying colored flags which spelled "Minnesota." Behind them were the trombones, which, as the unit passed the reviewing stand, broke into a jazzed-up version of what official Washington has come to regard as "Humphrey's song" — the Minnesota Rouser. The entire \$18,000 cost of the trip was covered by gifts from private donors.

sixth in a series



LIBRARY

(Continued from page 15)

economically feasible for the University in the predictable future."

The University of Indiana, which also studied such a system's feasibility for its own use, came to a similar conclusion: "... for the large research library . . . responsive to the needs of scholarship in many fields, there is no system in sight that will substitute for traditional library methods."

As for its money problems, the Library is hopeful of a solution in the near future.

One thing is certain: both in absolute and per-student expenditures and in increases in funds for books, the University Libraries are falling behind comparable institutions. On the basis of published data on university library expenditures only one conclusion seems possible — that the University of Minnesota faculty and students are having to "make do" with an inadequate quantity and range of necessary library materials, and, without a major increase in library support, the situation will continue to grow worse.



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Library cubicles such as this one, for use by graduate students, are in short supply.

Minnesota's Gov. Karl Rolvaag was cognizant of the problem when he presented his budget to the State Legislature recommending an appropriation of \$525,000 as special library assistance for the purchase of books and periodicals. The final decision must of course, come from the Legislature.

An even greater awareness of the gravity of the situation exists on the part of the University's administration, particularly President Wilson, who is pressing the Legislature for a special book fund appropriation for the coming biennium. Being himself a scholar, and a frequent user of the Library's resources, Wilson is unusually sympathetic to its difficulties.

Minnesota's library problems, though great, are not unique, and although it might seem to the casual observer that the library seems to require more and more money every year to perform its

tasks, the forces that require such ever-increasing expenditures for library collections and resources are common to other institutions caught in the throes of rapid enrollment expansion.

As Stanford explains, "Libraries do not exist except to serve the universities of which they are a part, and their growing needs simply reflect the greater needs that result from institutional expansion and growth."

To the extent that the University Library fails to grow by providing collections in greater breadth and depth, by increasing the staff services and space for books and readers required by larger enrollments, more graduate study and research, and by new and expanded teaching and research programs, the service gradually deteriorates, and as a result, the effectiveness of the University as an educational institution will certainly decline. □

Governor For 'U' Budget Increase

An increased appropriation of \$24,655,000 was recommended for the University of Minnesota in January by Governor Karl Rolvaag in his budget message to the State Legislature.

The message concurred with the Legislative Buildings Commission recommendation that the University receive \$19,083,000 for new buildings. The governor did urge the Legislature to consider raising that figure to include appropriations for a Life-Sciences building for the Duluth campus.

Since the University had requested \$48,560,000 for new buildings, the Governor's recommendation amounts to a \$29,477,000 reduction from the request.

In commenting on the budget message, President Wilson said "Gov. Rolvaag placed a high priority on educational needs as he wrestled with his budget problems, and within the educational sphere he has once more shown his interest and appreciation for the University of Minnesota."

ALUMNI NEWS

THE UNIVERSITY

Faculty 'Rustling' Brings Crisis to University's Hiring Ability

Raids on the University's faculty by other colleges and universities has brought it to its most serious competitive crisis, President O. Meredith Wilson told the Senate & House Finance Committees of the Minnesota State Legislature in February.

President Wilson explained to the committee that the University needs 8 per cent more money for increased faculty salaries just to stay even in the "fierce competition" for college teachers.

"We live in a period when we are continuously, seriously being raided," Wilson told the committee. "The University of California seems to feel it can't open a new department without a Minnesotan to head it," he said. "That's flattering, but it doesn't make our job any easier." In comparison to other Big Ten schools and the University of California, he said, pay for full professors at the University of Minnesota had slipped from fifth in 1961 to eighth in 1965.

The University can still attract good faculty because of its reputation, according to the president, but reputation can't continue to attract good teachers and researchers if the salary rewards aren't high enough. About all the requested eight per cent raise can do, he added, is raised the faculty morale at the cost of an additional \$6.5 million over the next biennium.

The average salary of a full professor at Minnesota hired on a nine-month basis is \$15,133. California, on the other hand, which Wilson described as "one of the worst faculty raiders," pays its full professors an average of \$2,152 a year more and second place Michigan averages \$2,100 more. Minnesota's average is \$200 a year behind seventh-ranking Wisconsin, \$760 behind fifth-ranking Illinois, and \$1,919 behind fourth-ranking Indiana.

"This means our capacity to

compete has been seriously limited," Wilson said. He pointed out that although salaries for professors at Minnesota have increased an average of 13 per cent since 1961, salaries at Wisconsin, which provides strong competition for good teachers, have risen 22.1 per cent, Iowa's salaries have increased 26.6 per cent, and those at Purdue and Ohio State have climbed 22.9 and 20 per cent, respectively.

The same problem afflicts the other teacher levels. Salaries for associate professors at Minnesota, which average \$11,070 a year for nine-month personnel, rank ninth among the 10 schools compared. Salaries for assistant professors (\$8,194) and instructors (\$6,711) both rank 10th.

The University is requesting \$2,028,885 for salary improvements in 1965-66 and an additional \$2,517,084 for further raises in 1966-67. These would not be across-the-board increases but would be awarded on the basis of merit.

Hospitals Request \$11 Million for '65-67'

University officials have informed the House Appropriations Committee of the Minnesota State Legislature that it will cost \$11,015,662 to operate the University of Minnesota Hospitals during the 1965-67 biennium, and another \$4.5 million will be needed to operate the Psychopathic Hospital, the Child Psychiatric Hospital, the Rehabilitation Center and the Multiple Sclerosis Clinic.

Of the required amount, the University is requesting \$5,557,831

from the Legislature. An equal amount of support will come from counties referring patients to the hospitals. The \$4.5 million being requested for the four separate facilities is being asked only from the state.

Dean Robert Howard of the College of Medical Sciences also asked for \$240,000 for the biennium to finance medical and cancer research. The money would be used to provide gifts and grants to doctors involved in research. Present budget for this purpose is \$95,000 a year.

Limited Enrollment at UMD?

Only one-sixth of the \$6.2 million requested for construction at UMD in the next two years has been recommended for appropriation by the Building Commission of the Minnesota Legislature.

The result, according to Provost Raymond W. Darland, is that "if the commission's recommendations are followed exactly UMD will be forced to limit enrollment." He added that additional classrooms are a necessity if UMD is to serve additional students.

"Considering the great need we have for facilities on the Duluth campus, for the commission to grant only \$1,075,000 out of a \$6,200,000 request is incredible," said the Provost. "I am certain legislators will review our needs and will look with favor toward additional construction at UMD."

Enrollment fall quarter reached an all-time high of 3,727, an increase of 17% over attendance a year ago, and is the 10th year in succession that a new enrollment mark has been set at the Duluth campus. It is expected that enrollment will rise to 5,000 students in 1965.

Duluth state legislators have promised to fight the commission's cut of the \$6.2 million UMD building request.

CAMPUS NEWS

MORRIS

The Minnesota Higher Education Facilities Commission approved the **allotment of \$315,333 in federal funds** to UMM for use in construction of needed science facilities. If final federal approval comes as expected, the allotment, which received fifth priority in the state for federal funds, will be added to a 1963 legislative appropriation of \$648,000 for construction of a \$946,000, four-story science laboratory-classroom building. It is expected to be completed in time for the 1966-67 school year. . . . More than **\$100,000 in financial assistance** was received by students on the UMM campus during the 1963-64 academic year. The total aid figure of \$104,350 included scholarships awarded, loans granted and part-time wages earned. . . . **Scholarship assistance** was received by 12.7 per cent of the student body last year, with fifteen freshmen receiving All-University Freshman Scholarships totaling \$5,765 from funds distributed at the Minneapolis campus, and 68 students receiving assistance totaling \$12,000 from UMM scholarship funds.

The increase in **total enrollment** at UMM (to 879 students for the fall of 1964, a 27% increase over the previous year), even with the loss of its first graduating class, shows the highest percentage increase of any of the Minnesota private and state four-year college programs. . . . The campus now has **64 faculty members** and 35 civil service personnel. . . . UMM is requesting **operating funds** of \$746,901 for 1965-66 and \$812,967 for 1966-67 from the 1965 state legislature. In addition, a **building program** of \$2,137,600 has been requested for the first unit of the needed library facility, the second and third units of the science and classroom building, rehabilitation and plant service items.

The original **enrollment estimate** presented to the 1961 and 1963

Legislatures indicated there would be 700 students on the campus at Morris in the fall of 1964 with 1000 students on the campus in 1970. Even with the somewhat limited curriculum offerings, the original enrollment estimates for 1970 will be reached in the 1965-66 academic year.

DULUTH

The University of Minnesota, Duluth, has the highest **winter quarter enrollment** in its history this year - 3,608 undergraduate students, according to Provost Raymond W. Darland. The total is 530 higher than last year - a 17% increase. Thirty-six graduate students bring the overall UMD winter quarter total of 3,644. . . . **Professor Gerhard Von Glahn**, head of the Department of Political Science, has completed a textbook on international law, entitled "Law Among Nations." The book's publishers consider it the most comprehensive and significant work on the subject in the United States. . . . Also being published this year is a new music textbook by **Robert W. House**, head of the Department of Music. . . . Fourteen UMD **accounting majors** are spending winter quarter with business firms in Duluth, Minneapolis, St. Paul, Chicago, Des Moines, and Peoria, Ill., as "accounting interns." Philip Priest, lecturer in business and economics, is the program's director.

College sophomores and junior college students are now eligible to enter UMD's **Air Force Reserve Officers Training Corps** program under a new two-year plan designed for those who don't qualify or join too late for the four-year program. . . . A \$466,000 request for matching federal funds for the third-phase of a four-part **library expansion** program through the Educational Facilities Act has been approved at state level and is certain to be approved nationally.

Construction on the addition, which was not planned for another 12 years, will begin in June or July. It will increase library capacity to an estimated 1,200 readers and 250,000 volumes. The second phase, now under construction, will be completed by July 15. It will increase library capacity from 75,000 to 200,000 volumes and from 350 to 800 readers.

The National Science Foundation has granted \$46,000 to UMD for support of an **Institute in Contemporary Mathematics** during the summer of 1965. The Institute will be directed by Dr. Sylvan Burgstahler, assistant professor of mathematics. . . . Duluth business activity in 1964 was 4.5% above the 1963 level, according to the most recent **Duluth Business Index**, published by the Department of Business and Economics. Authors are Cecil H. Meyers, professor of business and economics, and Glenn O. Gronseth of the Minnesota State Employment Service, Duluth.

ST. PAUL

More than 50 landscape designers from Minnesota and neighboring states spent Feb. 2-4 on the St. Paul Campus at a special **Workshop in Landscape Design**. The program was coordinated by C. G. Hard, extension horticulturist at the University of Minnesota. . . . **Floyd C. Colburn**, Itasca County extension forester, received the University's **Outstanding Achievement Award** Jan. 22 at the annual meeting of the Forestry Club in the Student Center. The award is given annually to an alumnus of the School of Forestry for his major contributions to the advancement of forestry in the state. . . . Old-time logging days came alive again on the St. Paul Campus on Jan. 23, as forestry students competed in log chopping, two-man log bucking, pole climbing and other events in the **31st Annual Foresters Day**. . . . Irradiation by thermo-neutrons played an important part in the

development of a new early ripening tomato variety called Early Fireball. Horticulture professor **T. M. Currence**, who developed the tomato, says it resulted from a mutation or genetic change caused by irradiation treatment.

The Minnesota swine industry, which generates more than \$1 billion gross income in the state, is desperately in need of research aimed at reducing costs and improving quality, according to Prof. **L. E. Hanson**, head of the animal husbandry department. Speaking at a Swine Day program, he said most present facilities for such research at the University are old and inadequate. . . . The School of Forestry has received a 5-year \$28,475 grant from the Hill Family Foundation of St. Paul in support of its **forest-tree improvement** program. The research will be conducted at the School's Cloquet Forest Research Center and at the Wilderness Research Center on Basswood Lake. . . . The Charles K. Blandin Foundation of Grand Rapids has made its tenth grant of \$5,000 to the School of Forestry for its **forest genetics program**. . . . The **Annual Crop Improvement Day** was held January 13 on the St. Paul Campus. . . . The School of Forestry began teaching and research this winter in the second unit of its new **Forest Products Laboratory**, now nearing completion. Seven staff people will be located in the new \$250,000 unit. . . . **Three new staff members** have been added to expand the teaching and research program of the Department of Plant Pathology and Physiology. They include Lowell P. Bush, research associate; Edward Stadelmann, assistant professor; and Lee C. Olson, assistant professor. . . . **Paul M. Burson**, professor of soil science, has been awarded the Crops and Soils Award for excellence in agricultural journalism from the American Society of Agronomy. . . . **Merle P. Meyer**, professor of forestry, is spending several months in Argentina on a project involving the aerial photography and mapping of a vast area of undeveloped lands.

Glenn L. Prickett, who developed the agricultural extension safety program at the University 15 years ago, retired on Dec. 31. . . . The Cooperative Agricultural Extension Service will expand its educational efforts in **resource development** during the coming year, aided by a special grant of \$28,600 from the Federal Extension Service of the U.S. Department of Agriculture. . . . Two staff members of the Institute of Agriculture were honored in January with the honorary Premier Seed Grower awards of the Minnesota Crop Improvement Association. Receiving the awards were **William F. Hueg, Jr.**, assistant director of the Agricultural Experimental Station, and **Harley J. Otto**, extension agronomist.

MINNEAPOLIS

An initial grant of \$115,644 has been allotted the University of Minnesota by the U. S. Office of Education, which has approved the **work-study program** proposed by the University to enable "low-income family" students to continue their education. The funds will be utilized on the Minneapolis and St. Paul campuses, and both on and off-campus jobs will be included in the program. . . . World-wide career opportunities in government and private industry are pinpointed in a new **52-page job directory** prepared by the Foreign Policy Association for the World Affairs Center of the General Extension Division. Called "Careers in World Affairs" it is available at a cost of \$1. . . . "**The Arts of Reading**" is the subject of a special seminar for men being conducted by the General Extension Division. Seminar participants meet for dinner and informal discussion in the Campus Club before each of the lectures, which began Feb. 4 and continues through May 27 on alternate Wednesdays or Thursdays. Tuition, excluding dinner, is \$42.50. . . . The world preview of the Irish film "**Finnegan's Wake**" was held in Northrop Auditorium on February 1. The film's completion was subsidized by the University through a grant from the Avon Foundation, St. Paul, and

the University will be the sole distributor of both the 16mm. and 35mm. versions of it.

Extra-sensory perception (ESP) was discussed by the originator of the term, J. B. Rhine, head of Duke University's parapsychology laboratories, at the organizational meeting of Minnesota students interested in the field on Jan. 21. The undergraduate group is known as the **University Society for Parapsychology Research**. . . . **J. Campbell Craddock**, associate professor of geology and geophysics, represented the University at the 1964 meeting of the International Geological Congress held in December in New Delhi, India. Craddock has worked in the Antarctic since 1959 attempting to determine whether that continent once was joined to Africa by a land bridge. . . . **Allen Tate**, noted poet and Minnesota English professor, gave the memorial lecture honoring the late T. S. Eliot Feb. 15. Tate referred to Eliot as "the most original and perhaps the greatest poet of this century." The two poets were good friends. . . . "**American Battles from the American Revolution to the Korean Conflict**" is the title of a new series of weekly television broadcasts over KTCA-TV, Channel 2. The series, which may be seen Wednesday evenings through March 31, is being taught by Professor Rodney C. Loehr of the Department of History. . . . Two University cancer scientists in the **Masonic Memorial Hospital** of the University of Minnesota Medical Center have discovered that a new chemical, mithramycin, is successful in the treatment of one type of cancer of the male reproductive gland. The two are **Dr. John H. Brown**, clinical instructor of medicine, and **Dr. B. J. Kennedy**, associate professor of medicine. The Masonic Hospital was given to the University by the Masons of Minnesota, who are now conducting a statewide campaign to raise \$1.1 million to add a third and fourth floor to the building.

The University is offering fellowships of \$2,000 to \$2,800 for full-time graduate study in the area of **educating handicapped children**.

THE ALUMNI

Manila MAA Chapter: Active and Growing

The most active chapter of the MAA outside of the continental United States is that in Manila, The Philippines. Originally organized in 1931 by the late Dr. Manuel Carreon (see obituaries on page 35) and Dr. J. C. Orendain, the group has grown steadily, surviving several major interruptions along the way. Carreon served as president of the group until 1957, when Orendain—a one-man gang who simultaneously maintains a legal practice in Manila, serves as Dean of the College of Law of Central Philippine University in Iloilo, and as welcoming committee for University of Minnesota alumni and Minnesotans of any derivation who happen to arrive in the Philippines—took over the position, aided by his wife Louise, who became an ex officio alumnus when membership dwindled to three in 1956. The organization's strength has since been built back up to a total membership of 200.

The group's major activity each year is the Big Ten celebration held on Thanksgiving Day in cooperation with the alumni of other Big Ten schools. This event, which alternates sponsoring alumni



J. C. Orendain

61st Annual MAA Meeting, Honors Presentation Set For June 1

The 61st Annual Meeting and Honors Presentation of the board and membership of the Minnesota Alumni Association will be held June 1, 1965, in the Leamington Hotel in downtown Minneapolis.



Newly elected officers of the Mountain Lake (Minn.) Chapter of the Minnesota Alumni Association are Stanley Pankratz, left, new president of the organization, and Mrs. Willis Schroeder, secretary-treasurer. Congratulating them is Chet Tomczyk, MAA field representative. The chapter held its annual meeting January 18, with Dick Siebert, Minnesota baseball coach, as guest speaker.

groups, was hosted by Minnesota in 1963, just a few days after the assassination of President Kennedy. Attended by more than 600 Big Ten alumni, the program consisted of a trip to Corregidor on board the RPS *Roxas*. During the cruise, a requiem Mass and other religious services were held in memory of the President. Upon reaching Corregidor, each alumnus carried a vase of calla lilies from the ship to a spot where the group planted a Kennedy tree.

After serving as chapter president for seven years, Orendain last year asked to be relieved. Elected to fill the position was Col. Laureano Fusillero of the Philippine Army.

Secretary of the chapter is Miss Socorro Alfiler, and Luisa Sanieel serves as treasurer.

Other active participants in alumni activities are Mrs. Lourdes Sanieel, a professor in physical education at the University of the Philippines, and Dr. Virginia Penalosa, Manila orthodontist.

Beginning with a reception at 6:00 p.m., the dinner and annual meeting will get underway at 6:45.

Highlight of the evening's program will be the presentation to several University of Minnesota alumni of the highest awards bestowed by the University and the MAA—the Outstanding Achievement Award and the Alumni Service Award. University President O. Meredith Wilson will present the citations.

The principal address will be given by a nationally prominent speaker.

Results of the upcoming board election will also be announced, and the incoming board members and officers of the Association will be introduced to the members.

Special guests of honor at the meeting will be past recipients of the Outstanding Achievement Award and Alumni Service Awards.

NEW FLORIDA CHAPTER

The Suncoast Chapter of the Minnesota Alumni Association is operating in high gear after its recent organization in Dunedin, Florida. Principal promoter of the new group, and its first president, is Carmen Nelson Richards, Dunedin. The first chapter meeting, held Jan. 15, was attended by 21 interested alumni, who accepted the constitution and elected officers and directors. Besides Mrs. Rich-

COMING MEETINGS

- March 25**—Mankato—Dr. Donald K. Smith, Assistant Vice President, Academic Administration
April 1—Willmar—Speaker, Marsh Ryman, Business Manager of Athletics

ards, officers include: vice-president, Shirley C. Brayton; secretary, Dwight Chappell; treasurer, Caryl Sly. Directors elected include L. D. Hargrove, Dunedin; Dr. L. M. Radke, Largo; Dr. Joseph Huseh, Dunedin; Don Kirby, Jr., Clearwater; E. O. Brandon, Palm Harbor; and David R. Crantges, St. Petersburg.

The group also voted to invite alumni from a larger territory to join. Present plans are to include alumni from Tampa, St. Petersburg, Palmetto, Bradenton, Sarasota, and Oldsmar. Alumni in those areas interested in participating may contact Mrs. Richards at 570 South Baywood Drive, Dunedin, Florida.

Recently-Elected Constituent Board Members Take Office

Newly-elected members of the constituent groups' boards of directors who have taken office within the past few weeks include the following (the bold face heading indicates the constituent alumni group on whose board they are serving):

SCHOOL OF BUSINESS

Robert L. Fjerstad '54BBA, assistant administrator of employee relations at Northern States Power Company, received an MBA degree through the University's Evening MBA Program in 1963. A native of Minneapolis, he served in the U.S. Army from 1948 to 1950, and was recalled to active duty for the

Korean War, serving from 1951 to 1952. Married and the father of three children, his principal avocation is free lance writing for such publications as the Catholic Digest and the American Legion magazine. He is a member of the Twin City Personnel Association and the Professional Society of Industrial Relations.

Meet the Constituent Group Presidents . . .



MELVIN O. SLETTEN, president of the University of Minnesota Dental Alumni Association, received his D.D.S. degree in 1935. Following post-graduate work in orthodontia, he established his present practice in Madison, Minnesota. A veteran of the U.S. Army Air Corps, 1943-46, he is a past president of the West Central District Dental Society and the Tri-State Dental Study Society, past president of the Kiwanis, and past chairman and member of the executive committee of the Viking Council of the Boy Scouts of America. He is a member of the American Dental Association and the Minnesota State Dental Association.



HELEN L. ALDONAS '43BSHE, the new president of the College of Agriculture, Forestry and Home Economics Alumni Association, is a home economics teacher in the adult education programs of the Minneapolis Public Schools, a position she has held since 1957. For five years prior to that — from 1946 to 1951 — she was accounts officer for the Department of State, at the American Embassy in Stockholm, Sweden. She has also worked in the past as an auditor for the General Accounting Office in Washington, D.C. The mother of three children, she is a member of the Home Economists in Homemaking group of the Minnesota Home Economics Association.



CHRISTIAN KAMRUD, first president of the newly-organized University of Minnesota, Morris Alumni Association, graduated from Parkers Prairie High School and attended the University of Minnesota in Minneapolis for two years, transferring to Morris when that campus was opened. A member of the Morris campus' first graduating class in June of 1964, he received a bachelor of science degree in biology. Undergraduate activities included student government, wrestling and football, and acting as a dormitory adviser. He presently teaches biology and science at Appleton High School, Appleton, Minn., and coaches on the side.

Russell W. Laxson '34BBA joined Honeywell Inc., as treasurer in 1957 and assumed the additional duties of secretary in 1962. While at the University he was a member of Phi Beta Kappa and earned a varsity letter on the 1934 basketball team. He became a C.P.A. in 1939, and for 15 years prior to joining Honeywell, was employed by the Island Creek Coal Company, serving successively as internal auditor, vice president and controller, and administrative vice president. He is first vice president and on the executive committee of the Minneapolis Chamber of Commerce, and is a director of the Wayzata Country Club. He is married and has two sons.

COLLEGE OF LIBERAL ARTS & UNIVERSITY COLLEGE:

Richard O. Hanson '44BA was first appointed County Commissioner for the first district in 1948 at age 26 by then-Mayor Hubert H. Humphrey of Minneapolis. He was elected to the County Board in the same year, and reelected in 1952, 1956, 1960 and 1964. An instructor in the Department of Political Science at the University from 1945 to 1947, he was co-founder and has been executive vice-president of Craig-Hallum, Inc., Minneapolis investment brokers, since 1947. In 1963 he was elected chairman of the county board, and re-elected in 1964. He presently also serves as vice chairman of the Hennepin County Welfare Board.

John D. French '55BA is presently an associate in the Minneapolis law firm of Faegre & Benson. While at the University he was president of the SLA Intermediary Board and Lt. Colonel and Executive Officer of the ROTC Cadet Regiment as a senior. His academic honors included election to Phi Beta Kappa and graduation summa cum laude. After graduation he studied at Oxford, England, for one year on a Rotary Foundation Fellowship. Following military service he attended Harvard Law School, where he was president of the Harvard Law Review and graduated magna cum laude in

1960. Before entering private law practice, he served for one year as a law clerk for Justice Frankfurter of the U. S. Supreme Court and one year as legal assistant to a member of the Federal Trade Commission. He is married to another graduate of CLA, the former Annette Richard.

Betty Lampland '39BS is an active worker in civic projects and the mother of seven children—four daughters and three sons. She has served on the boards of the St. Paul YWCA, St. Paul Volunteers Bureau, Leisure Time Council of the St. Paul Community Chest, the Junior League of St. Paul, the Girl Scouts and numerous PTA boards, the United Fund and the United Arts and Sciences Fund. She presently serves on both the Central High School and Highland Park High School Committees of the American Field Service. Her husband is manager of International Programs for Remington Rand UNIVAC, St. Paul.

St. Louis

The Minnesota Alumni Club of St. Louis held a winter dinner meeting on January 29 at the Flaming Pit Restaurant. Speaker at the affair was Marie Shaver, Associate Director of the American Youth Foundation, and a member of the chapter.

The chapter has raised additional funds for the second and third quarter's tuition for its 1964-65 Scholarship Program recipient, Timothy Eastman of Beardsley, Minnesota.

Timothy, a second-quarter sophomore in the Institute of Technology, majoring in physics, finished his first year at the University with a grade point average of 3.66. Without the St. Louis chapter's scholarship support, he would have been unable to return to school last fall, due to a crop failure from drought on his father's farm.

Members of the chapter who would like to contribute to the Scholarship Program can do so by sending their checks to Norris Johnson, Treasurer, 7455 Rupert Avenue, St. Louis 63117.



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MINNESOTA

UMBRELLA

Rain or shine, keep your head dry and spirits high. The Minnesota umbrella is double-framed and double-strength, fully water-repellent, with an 8-rib fade-proof acetate fabric 40" pop top—a "quality plus" umbrella with alternating vat-dyed maroon and gold panels, with a maroon "M" on the gold. Price to members: \$7.50; non-members: \$8.50.

Minnesota Alumni Association

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Here is my check or money order for \$_____ to cover my order.

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Street Address _____

City _____ Zone _____ State _____

I am a member.

AROUND & ABOUT WITH ALUMNI



Sauvageau



Kuharski



Schroeder



Mosher



Palmquist



Lindstrom

'17

Edwin Sweetman '17BSME, Green Bay, Wis., was named "Man of the Year" by the Wisconsin section of the American Institute of Mining, Metallurgical and Petroleum Engineers at the group's November 5 meeting in Milwaukee.

'31

Mrs. David P. Barnes '31BSED, long active in the West Central Wisconsin MAA chapter, has received the You-man's Award of the Wisconsin Federation of Women's Clubs. The monetary award and citation is granted annually to a worthy woman making contributions to the betterment of life, and is the highest honor given to a Wisconsin woman through the Federation. She lives in Eau Claire.

Dr. Arthur H. Bulbulian '31DDS, director of the Medical Museum of the Mayo Clinic, has been appointed associate professor of medical education in the Mayo Graduate School of Medicine.

Mrs. William B. Gullette '31BA, nee EthelMae Bishop, attended the world preview of the film *Finnegan's Wake* at the University of Minnesota, Feb. 1, as a special guest of the producer and director, Mary Ellen Bute. A pianist and graduate of the Juilliard School of Music, she lives in New Canaan, Conn., and performs in the New York area. Her husband is the owner of the Preview Theatres in New York City.

'32

Dr. Corrin H. Hodgson '32MD, a consultant in internal medicine in the Mayo Clinic, Rochester, Minn., has been appointed professor of clinical medicine in the Mayo Graduate School of Medicine.

Dr. Carl E. Nurnberger '32PhD, radiological physicist and director of the radioisotope laboratory at Baptist Memorial Hospital in Memphis, Tenn., has been named president-elect of the Southeastern chapter of the Society of Nuclear Medicine. One of about 50 radiological physicists in the nation, he

is also associate professor of radiology at the University of Tennessee College of Medicine. His wife, the former Patience Kietel, is also a Minnesota graduate, having received a B.S. in 1924 and M.S. in 1926.

'33

Dr. Robert R. Kierland '33MD, head of the Section of Dermatology of the Mayo Clinic, Rochester, and professor of dermatology and syphilology in the Mayo Graduate School of Medicine, University of Minnesota at Rochester, has been appointed a member of the special medical advisory group of the Department of Medicine and Surgery of the Veterans' Administration, Washington, D.C.

'34

Tybel Bloom '34BA, is presently an associate professor in the School of Social Work at the University of Pennsylvania. Prior to entering graduate school at the University of Minnesota, she worked as a caseworker in the public assistance field.

'39

Rev. Robert H. Jongeward '39BA, pastor of the First Methodist Church in Jackson, Michigan, has been appointed a trustee of Albion College, Albion, Michigan. He has been with his present church since 1959. He previously had been minister of Methodist churches in New York, Ann Arbor, Detroit, and Battle Creek. He received an honorary doctor of divinity degree in 1960 from Albion.

'40

John Haralson '40BA, associate professor of psychology at California State College at Los Angeles, has received a National Science Foundation assistance grant for research on fish.

Leonard W. Swanson '40MS, '47PhD has been appointed professor of quantitative methods and managerial economics in the School of Business of Northwestern University, Evanston, Illinois. An authority on operations research and computer applications, he was formerly

employed by Arthur Andersen and Co., Chicago. He was an instructor on the University of Minnesota faculty from 1940-42.

Dr. William E. Wellman '40MD, a consultant in medicine in the Mayo Clinic, Rochester, Minn., has been appointed associate professor of clinical medicine in the Mayo Graduate School of Medicine.

'41

Dr. Elizabeth Mussey '41MD, a consultant in obstetrics and gynecology in the Mayo Clinic, has been appointed assistant professor in obstetrics and gynecology in the Mayo Graduate School.

Dr. Robert W. Hollenhorst '41MD, a consultant in ophthalmology in the Mayo Clinic, has been appointed professor of ophthalmology in the Mayo Graduate School of Medicine.

'42

Thomas S. Reid '42PhD, has been appointed director of 3M Company's biochemical research laboratory in St. Paul.

Harold E. Sponberg '42MA, president of Washburn University, Topeka, Kansas, since 1961, has resigned effective June 30, 1965, to assume the presidency of Eastern Michigan University, Ypsilanti. A native of New Richland, Minn., Sponberg was previously vice president of Northern Michigan University, Marquette, for five years. (Photo)

'43

Arthur C. Boyden '43MS has been promoted to director of staff-manufacturing by the 3M Company, St. Paul.

Dr. Howard A. Andersen '43MD, a consultant in medicine at the Mayo Clinic, has been appointed associate professor of clinical medicine in the Mayo Graduate School of Medicine.

'44

Dr. Edward D. Henderson '44MD, a consultant in orthopedic surgery in the Mayo Clinic, has been appointed associate professor in clinical orthopedic surgery in the Mayo Graduate School

of Medicine, University of Minnesota at Rochester.

'45

Dr. Edmund G. Burke '45MD, a consultant in pediatrics in the Mayo Clinic, has been appointed associate professor in clinical pediatrics in the Mayo Graduate School of Medicine.

Dr. Einer W. Johnson, Jr. '45MD, a consultant in orthopedic surgery in the Mayo Clinic, has been appointed associate professor in clinical orthopedic surgery in the Mayo Graduate School.

'46

Dr. Harold O. Perry '46MD, consultant in dermatology in the Mayo Clinic, has been appointed associate professor of dermatology in the Mayo Graduate School of Medicine.

'47

Elizabeth C. Osterlund '47BS has been appointed associate professor of education in the Chicago Undergraduate Division of the University of Illinois. Previously associated with Temple University, she spent the summer of 1951 teaching elementary school on Yap Island in the South Pacific.

Robert C. Schroeder '47BSCE has been appointed director of marketing for the Fibers and Fabrics Division of the Union Carbide Corporation, New

York. He has been with the company since 1947, and was most recently marketing manager of the Fibers and Fabrics Division for industrial fabrics and films. (Photo)



Sponberg



Hirman

'48

Dr. J. A. Gibilisco '48DDS, a consultant in dentistry and oral surgery at the Mayo Clinic, has been appointed associate professor of dentistry in the Mayo Graduate School of Medicine.

'49

Richard A. Johnson '49BBA, '52MBA, a member of the University of Washington College of Business Administration faculty since 1955, has been named co-recipient of the American College of Hospital Administrators' 1965 James A. Hamilton-Hospital Administrators' Book Award for an outstanding work on administration. Johnson received the award for a book called "The Theory and Management of Systems" which he co-authored with two other professors at the University of Washington. (Photo)

'50

Stanley P. Wronski '50PhD, professor of education at Michigan State University, East Lansing, and his family have left for Bangkok, Thailand, where he will spend two years as a member of a contract team from the University assisting Thailand in a comprehensive study of its entire educational system.



Johnson



Stockwell

'52

Donald Evanson '52BBA has been appointed manager of cost accounting by Reserve Mining Company at Silver Bay, Minnesota. He joined the company upon his graduation from the University of Minnesota, Duluth, in 1952. (Photo)

Manfred O. Aws '52BA was recently re-elected national treasurer of Alpha Phi Omega, national service fraternity, at the group's 40th anniversary national

convention in Denver, Colorado. He has served for 12 years on the national executive board and has held positions of vice president and treasurer. Aws is the Executive Director of the Oakland County (Michigan) Chapter of the National Foundation, March of Dimes.

'53

John F. Stockwell '53MHA, has been appointed to the position of executive vice president of Children's Hospital of Minneapolis, Inc., and assumed his new duties in October, 1964. He is currently president-elect of the Program in Hospital Administration, University of Minnesota Alumni Association. (Photo)

'54

William R. Reilly '54BS '56MBA has been named assistant professor of agricultural economics in the College of Ag-



Evanson



D. Carlson

riculture at the University of Connecticut at Storrs. He previously worked as a grain merchant for Cargill, Inc., and was a grain trader on the floor of the St. Louis Merchants Exchange. His duties will involve marketing research and extension activities.

Dr. G. Keith Stillwell '54Gr, a member of the Section of Physical Medicine and Rehabilitation of the Mayo Clinic, Rochester, Minn., and assistant professor of physical medicine and rehabilitation in the Mayo Graduate School of Medicine, was elected to the council of the staff of the Clinic at its annual meeting in November, 1964.

'55

Douglas E. Carlson '55BS has been promoted from assistant chief mining engineer to assistant to mine superin-

ENGINEERING OPPORTUNITY

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ALUMNI NEWS

ALUMNUS OF THE MONTH



D. E. MUFFITT was recently elected assistant vice president, underwriting, for United of Omaha Insurance Company, Omaha, Nebraska. Muffitt joined United in 1938, the same year he graduated from the University of Minnesota with a bachelor of arts degree. He was named assistant chief underwriter for the Company in 1950, chief underwriter in 1954, and assistant secretary in 1959. A past president of the Insurance Institute of Nebraska, Muffitt is also a World War II army veteran.

tendent by the Babbitt Division of Reserve Mining Company at Silver Bay, Minnesota. He has been employed by Reserve since 1957. (Photo)

Albert Kapstrom '55BA is now an intern at Los Angeles County General Hospital following his graduation from the College of Medicine at the University of Cincinnati. He will intern there for the next three years in an obstetrics and gynecology residency specialty program. He previously spent five years in the U.S. Air Force.

'57

Dale F. Stein '57BS, a staff member of the General Electric Research Laboratory, Schenectady, N.Y., has been named recipient of the 1964 Robert



Stein



Bjelland

MARCH, 1965

Lansing Hardy Gold Medal Award, awarded by the American Institute of Mining, Metallurgical and Petroleum Engineers. The award is made annually to a member of the society who is under 30 years of age, in recognition of exceptional promise in the field of metallurgy. The medal was presented at the group's meeting in February. (Photo)

Richard V. Fesler '57BA and his wife, Nancy Lee Wagner '57BS, 59BSEd, announce the birth of a daughter, Dina Lee, born on Thanksgiving Day, 1964. Fesler was recently elected Assistant Trust Officer of the Marquette National Bank of Minneapolis.

Dr. Richard D. Cunningham '57MD received the degree of master of science in ophthalmology from the University of Minnesota in December. He lives in Temple, Texas.

'58

James Gundersen '58PhD, a professor at California State College at Los Angeles, has received an assistance grant for research from the Cal State L.A. Foundation. His project will be in the



Jahnke



Andersen

area of x-ray crystal structure analysis.

Dr. Richard W. Fardal '58MD received the degree of master of science in dermatology from the University of Minnesota in December. He now lives in Bismarck, North Dakota.

Dr. Walter E. Miller '58MD received the degree of master of science in radiology from Minnesota in December. He is now a member of the staff at the Mayo Clinic, Rochester, Minn.

Dr. William D. Backer '58MD received the degree of master of science in ophthalmology from Minnesota in December, 1964, upon completion of a residency in the Mayo Graduate School, Rochester. He now lives in San Luis Obispo, California.

Robert J. Langer '58BSME has joined Monasanto Company's Agricultural Division as a sales representative in its Virginia, Minn., office. He was previously employed by Jones & Laughlin Steel Corp., Grand Rapids.

Lowell E. Palmquist '58MHA, has been appointed administrator of Fairview Hospital, Minneapolis. He has been with the hospital since his graduation, when he was appointed administrative assistant, and in 1962 was appointed assistant administrator. (Photo)

'59

Paul A. Bloland '59BA, formerly dean

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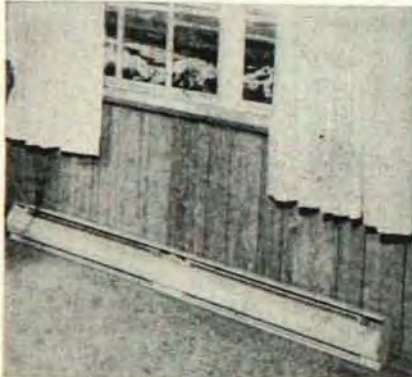
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Wagner



Wegmiller

of students at Drake University in Des Moines, Iowa, has been appointed dean of students and associate professor of education at the University of Southern California.

Maurice F. Wagner '59BS, has been appointed regional mortgage manager for Minnesota, northern Iowa and western Wisconsin by American United Life Insurance Company. Former chairman of the Bloomington (Minn.) Industrial Commission, Wagner has been in the mortgage loan business since graduation. (Photo)

Dr. Allan D. Davidson '59MD, has been appointed a resident in ophthalmology in the Mayo Foundation at Rochester, Minnesota.

'60

John E. Mosher '60MS, formerly assistant administrator of Children's Mercy Hospital in Kansas City, has joined the staff of the University of Wisconsin Hospitals to direct a study of hospital-based nursing homes in Wisconsin. The two-year study will be supported by a \$54,500 grant from the W. K. Kellogg Foundation. (Photo)

Don C. Wegmiller '60BA, '62MHA, administrative assistant at Fairview Hospital, Minneapolis, has been elected to the Board of Directors of the Minneapolis Junior Chamber of Commerce. (Photo)

Charles C. Lindstrom '60MHA, has been appointed administrator of Fairview-Southdale Hospital, Edina, Minn. He was previously acting administrator of the Minneapolis General Hospital since his graduation in 1960. The new 225-bed hospital is scheduled to open in October of this year. Lindstrom received a bachelor of arts degree from the University in 1952. (Photo)

Rolf F. Bjelland '60BA has been appointed an assistant cashier in the commercial loan department of National City Bank of Minneapolis. He previously had been a member of the commercial loan staff at the Continental Illinois National Bank and Trust Company, Chicago, for three years. (Photo)

Duane F. Jahnke '60BA has been named a general partner in Paine, Weber, Jackson & Curtis. He joined the Minneapolis office of the firm in 1956 and was named manager of the investment department in 1962. (Photo)

'61

James P. Kuharski '61BBA, has been appointed assistant secretary of the National Division of the Irving Trust Company, New York. A resident of Staten Island, he joined the bank in 1961, and is currently doing graduate work at New York University. (Photo)

'62

Om P. Bahl '62PhD, research associate in biochemistry at the University of Southern California, has received a five-year scholarship from the American Cancer Society for his research into mechanisms which regulate cell growth, particularly the human chorionic gonadotropin, a hormone produced during pregnancy by the placenta, the organ which links the mother to the fetus. A native of India, Bahl came to the United States in 1957 and worked at the University of Minnesota with Professor Fred

ALUMNUS OF THE MONTH



JOHN MIKULAK '32BSEE has

been appointed assistant vice president-manufacturing of the Worthington Corporation, Harrison, New Jersey. A nationally-recognized authority on welding, he formerly was manager-manufacturing engineering for the company, and prior to 1962 served in an advisory capacity on welding problems and supervised its Welding Laboratory. He joined Worthington in 1951.

Mikulak has written numerous technical articles for various societies and publications. He is a member of the American Society of Metals, American Society of Welding, American Society of Tool & Manufacturing Engineers, Numerical Control Society, and the Minneapolis Engineering Club.

ALUMNI NEWS

Smith. As a post doctoral he worked on chemical aspects of cancer development, leaving to join UCLA in 1963.

Lee R. Anderson '62BA has been appointed earthmoving representative in the Western Sales division of Caterpillar Tractor Co., Peoria, Illinois. His territory will include Nevada and Southern California. (Photo)

'63

Klaus A. Liedtke '63BA has been promoted to first lieutenant in the U.S. Air Force at Myrtle Beach AFB, S.C. He is an intelligence officer in a unit that supports the Tactical Air Command mission of providing firepower and other support to U.S. Army forces.

'64

David R. Sauvageau '64BA, a summa cum laude graduate of the University of Minnesota, is presently studying English drama at the University of Vienna, Austria, as a Rotary Foundation Fellow. He is the winner of one of the 146 scholarships awarded by Rotary International for study during the 1964-65 academic year. (Photo)

Joseph W. Hirman '64BS, a member of the National Bureau of Standards' antarctic research team, has completed special training at Boulder, Colorado, and left in October for Eight Station, Antarctica, where he has been assigned as a scientific leader. Hirman, who was president of the student branch of the American Institute of Physics while attending the University, will be in charge of ionospheric sounding, micropulsations and very-low-frequency studies. (Photo)

John H. Hartman '64BS, has been commissioned a second lieutenant in the U.S. Air Force, upon graduating from Officer Training School at Lackland AFB, Texas. He has been assigned to Randolph AFB, Texas, for training as a helicopter pilot.

Richard P. Thompson '64BA, has been commissioned a second lieutenant in the U.S. Air Force after graduating from Officer Training School in Lackland AFB, Texas.

DEATHS

Dr. Ercell Adelbert Addington '31BS '32Md '40MS, 58, died in Lisbon, Portugal, October 1, 1964, of a cardiac attack complicated by pneumonia. Born in Alabama, Wisconsin, he was a fellow in radiology at the Mayo Graduate School of Medicine, Rochester, Minn., from 1937 to 1939. In 1939 he entered private practice in Spokane, Washington, leaving in 1942 to spend a three-year term in the Army Medical Corps. After leaving the military, he established a practice in Seattle, and lived in Bellevue, Washington. He was formerly clinical assistant professor of radiology in the University of Washington School of

Medicine, but resigned that position in 1962 to accept an appointment as a member of the Board of Regents of the University of Washington, a position he held at the time of his death. He was also a member of the staff of the Providence Hospital in Seattle.

Walter W. Armentrout '31PhD died May 17, 1964, in Morgantown, West Virginia. He joined the West Virginia University faculty in 1924, and in 1936 was appointed professor and chairman of the Department of Farm Economics, later to become the Department of Agricultural Economics and Rural Sociology. He also served as agricultural economist of the West Virginia University Agricultural Experiment Station. During World War II he served as the Morgantown area rent director for the Office of Price Administration and later in the war served in London as a member of the United States Relief Administration.

Manuel Carreon '23PhD, 65, died September 13 in Manila, The Philippines. Coordinator of foreign aid for education and training for the Philippine National Economic Council, he administered the ICA and UNESCO programs. Eminent among Philippine educators, he was director of both the Bureau of Public Schools and the Bureau of Private Schools after World War II, and provided exceptional leadership in reorganizing and rebuilding the islands' school system. From 1924-37 he served as chief of the research division of the Philippine Bureau of Public Schools, a position in which he introduced and developed the use of tests and measurements in the schools. He was also a member of the board of directors of the YMCA of the Philippines, past president of the Philippine chapter of the Minnesota Alumni Association, general Secretary of the Philippine Chapter of Phi Beta Kappa, and in 1945 served as executive officer of the Philippine National Council of Education.

Charles P. Clarke 80, one of the South's leading structural engineers, died December 15, 1963, in Atlanta. A native of Elysian, Minnesota, he was a magna cum laude graduate of the University of Minnesota's engineering school in 1905, after which he worked for the Minnesota State Highway Department, the McClintock Marshall Steel Co. in Chicago, and as chief engineer for the Minneapolis Steel and Machinery Co. During World War II he was an engineer with Bethlehem Steel Co. in Pittsburgh, and before that was chief engineer of the Jacksonville (Fla.) Iron and Steel Co., in which capacity he helped design many of the state's highway bridges, including the long span crossing St. Petersburg Bay. Before his retirement in 1959, he was chief engineer for de Golian Steel and Iron Co., Atlanta, and helped design many of the city's newest and largest buildings.

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University of Anhwei Province, China, following which he was named head of the Department of Education at Culver-Stockton College in Canton, Mo. He remained there for nearly 10 years, resigning in 1934 to become president of William Woods College, the position he relinquished in 1941 to join Drake. In 1952 he was awarded the University of Minnesota's Outstanding Achievement Award.

Frederick G. Holdaway, 62, professor of entomology at the University's St. Paul campus, died Jan. 1 in Minneapolis after a heart attack. Born in Australia, he received his bachelor's and master's degrees at the University of Queensland, and his doctorate from Minnesota in 1929. From 1937 to 1947 he was on the faculty of the University of Hawaii, and was head of that school's department of entomology. He came to Minnesota in 1947, and became a full professor in 1948.

Herbert M. Hirsch, 45, associate professor of pathology, was found dead Feb. 1 in Diehl Hall on the University campus. Born in Ulm, Germany, he received his Ph.D. from the University of Illinois in 1951. He came to the University in 1953 as an assistant professor of physiology. In 1956 he received a three-year, \$18,000 American Cancer Society research grant.

Gertrude Hull, 78, retired associate professor of music at the University of Minnesota, died January 20 in Minneapolis. On the staff of the University Department of Music from 1917 to 1954, she was also a concert singer, and had appeared several times with the Minneapolis Symphony Orchestra.

Norman C. Nagle, 46, associate professor of architecture at the University of Minnesota, died January 17, in Minneapolis. Designer of a number of buildings in the Twin City area, Nagle designed and supervised the remodeling of Walker Art Center during the early 1950's. Among other buildings he designed were the Longfellow Park shelter, Minneapolis; Mount Hope Lutheran Church School, Bloomington; Post Office, Excelsior; Public Library, Hastings; the physical education complex at Mankato State College; and the Trinity Lutheran Church, Long Lake. After studying at the University of Michigan and the Cranbrook Academy, he became head of the design department at Cranbrook in 1946. From 1947 to 1949 he worked for Eitel and Eero Saarinen, architects, in Detroit. Joining the University faculty as an assistant professor in 1948, he resigned in 1952 to become curator of architecture and design at the Walker Art Center, while continuing on a part-time basis at the University as a

lecturer. He returned fulltime to the University in 1958 as an assistant professor, and became an associate professor in 1962.

Raymond V. Phelan, 87, former University of Minnesota economics professor and economist for the Minnesota Department of Employment Security, died January 10 in Cleveland, Ohio. He was the husband of Dr. Anna von Helmholtz Phelan, author, poet and retired University professor, who died Jan. 11, 1964. The Drs. Phelan were University faculty members from 1909 until World War I, when he enlisted in the U.S. Army. After the war, University policy did not permit married couples to be on the faculty. While his wife continued teaching at Minnesota, he taught at Otterbein College and Miami University in Ohio, St. Louis University, and Tufts College, Boston. He retired from Tufts in 1938, returned to Minneapolis, and worked for the state for 20 years before his second retirement at age 80.

Mrs. Carlyle Scott, 88, founder of the University Artists Course and manager of the Minneapolis Symphony Orchestra from 1930 to 1938, died Dec. 7 in Minneapolis. The Artists Course began in 1918 when Mrs. Scott suggested four recitals be given to raise money for the Faculty Women's Club. The result was an artistic and financial success, and marked the beginning of the Artists Course with Mrs. Scott as the manager. In 1930, she took over as manager of the Minneapolis Symphony Orchestra and brought it to the University for weekly concerts. It was through her influence that a stage was built in Northrop Auditorium and that the Music library of the Symphony was made available to music students. She retired as manager of the Artists Course in 1944. A native of River Falls, Wisconsin, she studied violin at Leipzig Conservatory in Germany, where she met Carlyle Scott. Her husband retired from the University faculty in 1942 and suffered a fatal heart attack in 1945. In 1947, the University Regents named the University's music building "Scott Hall" for both Carlyle and his wife. Mrs. Scott was named Minnesota Mother of the Year in 1954.

(Continued on page 38)

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Richard L. Moses, C.L.U., '53 — Mpls.

Lawrence J. Schwartz, '56, Sioux City
Gary C. Zuhlsdorf, '56 — Minneapolis
Morris K. Spiess, '57 — Richmond
Chester D. MacArthur — Minneapolis
Raymond W. Schultz — Minneapolis
John J. Huss — Minneapolis
Francis Prinz — Fort Worth



ALUMNI CLUB NOTES

A number of Alumni Club members have indicated that they have not been receiving their monthly special function bulletin on time, in some cases, not at all. If you are among them, please call Cal Calvert at the Club. The monthly function sheets are normally mailed in time to be received on the first of the month — if you haven't received yours by that date, please call and order one.

The staff and management of the Club are looking forward to seeing all of the Irishmen among the alumni on the 17th of March, when there will be a special St. Patrick's Day dinner menu. Grab your shillelagh and your wee ones and come on down.

Bring along any of your friends who might be interested in joining, either on St. Pat's Day or at any other convenient time. Or have them call and the Club will arrange a party for them on a trial run.

March 4, Thursday

Special Buffet Night. Buffet from 5:30 to 9:00 p.m., with all you can eat for just \$3.75 per person.

March 6, Saturday

Ladies Bridge Luncheon. Lunch at 12:30 p.m., bridge from 1:30 to 4:00. Price of \$1.75 includes everything, even table prizes.

Dinner Dance. Come and enjoy dinner in the Regents Room and an evening of dancing. Regular dinner hours, dancing from 5:30 to 12:30 p.m. No extras.

March 9, Tuesday

An Evening of Wine Tasting — this time the cool pleasant wines of the Rhineland. Starts promptly at 6:30 p.m.; make your reservation early.

March 11, Thursday

Buffet Night at the Club. Serving begins at 5:30 p.m. and continues until 9:00 p.m.

March 13, Saturday

Dinner Dance. Dancing from 8:30 to 12:30 p.m. Dinner at regular hours, 5:30 to 9:00.

March 17, Wednesday

St. Patrick's Day. Special St. Pat's dinner menu, served from 5:30 to 9:00 p.m.

March 18, Thursday

Buffet Night at the Club. Serving begins at 5:30 p.m. and continues until 9:00 p.m.

March 25, Thursday

Buffet Night.

March 31, Wednesday

An Evening of Wine Tasting. The wonderful sherries of Spain, the finest in aperitif wines.

DEATHS

(Continued from page 36)

Fred Smith, 54, professor in the Department of Biochemistry since 1948, died February 1 of cancer of the pancreas. Widely known for his research on chemical modification of starch and studies on chemical structure of complex carbohydrates, one of the goals of his research was to find new industrial uses for cornstarch. In 1962 he received the Claude S. Hudson Award of the American Chemical Society, and in 1964 the Minnesota Chapter of the American Chemical Society honored him for research and contributions to literature.

Harold R. Taylor, 74, died February 5 in Minneapolis. Born in Chaska, Minnesota, he attended the University of Minnesota from 1907 to 1911, and upon receiving an L.L.B. degree, began practicing law in St. Mary's, Idaho. He returned to Minneapolis after a few years, where he practiced until the time of his death. He was a member of the Minnesota Bar Association, Minneapolis Athletic Club, the Minneapolis Gyro Club, Delta Kappa Epsilon, the Masonic Order, and the American Legion Laidlaw Post.

Dr. Dale D. Turnacliff, 76, died Dec.

29, 1964, in St. Paul. A 1913 graduate of the University of Minnesota Medical School, he maintained a private practice and worked as medical director of the old Twin City Rapid Transit Co. for 36 years until his retirement from the post in 1948. He was a specialist in dermatology and had offices in the Minneapolis Medical Arts Building. He had been a resident of St. Paul for 52 years.

Kenneth F. Warner, 74, retired University of Maryland professor and former U.S. Department of Agriculture employee who was widely acknowledged as an expert in extension teaching methods, died Jan. 6 at Hyattsville, Maryland, of a heart attack.

Warner graduated from the University of Minnesota in 1915 with a M.S. degree in animal husbandry. He had served the Federal Extension Service, USDA, for 27 years as extension educationist, training officer, and meat specialist, before he became visiting professor of extension studies and training at the University of Maryland in 1957. At the University's College of Agriculture, he pioneered in the development of a graduate program in extension education before his retirement in 1961. In recognition of his achievements in extension training, he

was awarded the degree of honorary doctor of agriculture by the University of Nebraska in 1954.

Robert Wilson, 75, died December 4 at Granada Hills, California. Born in Stillwater, Minn., in 1889, he graduated from the University of Minnesota's School of Forestry in 1915 with a B.A. degree. After teaching for a time at the State School of Agriculture at Morris, he joined the U.S. Forest Service, engaging in reforestation work in the Great Plains, with headquarters at Mandan, N.D., of which station he served as acting superintendent. He later moved to California, where he operated a citrus orchard, served on state agriculture committees, and conducted agricultural radio programs on Pacific Coast networks.

Dr. Fred Wittich, 80, a staff member of the University of Minnesota Hospitals for many years and a noted allergy specialist, died in January in Minneapolis. He was president emeritus of the American College of Allergists and one of its founders, and was also founder and first president of the International Association of Allergology. He edited the Review of Allergy and applied Immunology.

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George F. Humphrey	Grad. School	Home Office
J. Denis McCarthy, M.D.	Grad. School	Home Office
James E. Miles	'64	Minneapolis
Charlton (Chat) L. Stone	'36	Minneapolis
George G. Webb	'60	Duluth, Minn.
Robert John Tschida	'63	St. Paul

THE UNIVERSITY OF MINNESOTA

ALUMNI NEWS

APRIL 1965

A large, dense crowd of people in academic regalia, including gowns and caps, is shown in a black and white photograph. The people are looking in various directions, some holding papers. The scene appears to be a graduation ceremony.

THE FACULTY 'RAID'



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

THE UNIVERSITY OF MINNESOTA

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

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APRIL, 1965

THE UNIVERSITY OF MINNESOTA ALUMNI NEWS

(Our 65th Year)

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**UNION
CARBIDE**

BACK TALK

Sir:

Although I have made no effort to renew membership in the Alumni Association, you people continue your sporadic correspondence. This letter is intended to end your requests for my support. I want my name removed from your mailing list.

In terms of performance, I don't know what your organization does. I know it has an office, collects money and mails extremely eloquent brochures describing the opaque virtues of the Association. But what does it do? Since leaving the University in 1959, I have seen no evidence of the Association's value to alumni. Your literature suggests the existence of such benefits, but I have yet to see any. Perhaps you could enlighten me on this matter.

There are other questions in my mind. For example, how are your officers elected? What functions (not titles) do they perform? Is the collected money handled by an accounting firm, or is it administered solely by the Association? How, and by whom, are the monies distributed? While this is a society in which questions are extremely unpopular, it would be interesting as well as informative to have these answers.

The Alumni Association is not the only organization whose function one wonders about. Within the University proper exist honorary fraternities and other groups which hand out cards but little else to denote membership in some self-proclaimed august group. I refer you to Sigma Delta Chi (journalism fraternity) as a single example. If such organizations benefit their memberships, the groups are extremely small and select.

The above comments were intended to explain in part my request for dissociation with your organization. I'm not particularly interested in your answers to any of the questions, no more than you are in the content of this letter. I

(Continued on page 18)



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MEMO

From
ED HAISLET
Executive Director

TO: Association Members

SUBJECT: Your Association Membership Grows

Minnesota Alumni have every right to be proud of their University and of their Alumni Association. In recent years the program of the Association has grown to encompass a number of new services to members. The main reason for growth, however, is that our alumni believe in their University and its greatness and want to support it — and the way to do this, they feel, is through membership in the Alumni Association. As of March 1, 1965, membership in the Association was 24,166, the largest in its 61 year history. Yet it has a long way to go to match the 48,000 membership of the University of California or the 34,570 membership of Ohio State or the 29,939 membership of the University of Illinois. Minnesota, Wisconsin, Indiana and Purdue are grouped near the 24,000 level.

A breakdown of membership by college groups listed according to percentage of their potential shows:

Veterinary Medicine	43.7	Mortuary Science	21.0
Medicine	38.5	CLA	19.1
Pharmacy	38.0	UMD	18.8
Dentistry	36.1	Education	18.5
Business	22.7	Nursing	15.6
Law	22.4	Ag-F-HE	14.8
IT	21.3		

Are you satisfied with the rating of your College?

Likewise, how does your class rank? Membership by class is:

Rank	Class	% of members	Rank	Class	% of members
1	1903	90.0%	26	1918	20.4%
2	1910	85.2	27	1932	20.2
3	1906	80.5	27	1935	20.2
4	1902	75.0	29	1915	19.9
4	1907	75.0	29	1928	19.9
6	1904	73.9	31	1931	19.8
7	1909	72.7	32	1937	19.4
8	1905	61.5	33	1929	19.1
9	1908	60.0	34	1936	18.7
10	1921	40.5	35	1916	18.6
11	1920	37.2	35	1939	18.6
12	1922	36.2	37	1943	18.5
13	1919	32.7	38	1917	18.4
14	1963	30.1	38	1940	18.4
15	1923	28.6	40	1934	18.1
16	1924	25.6	41	1942	16.7
17	1925	24.9	42	1938	16.5
18	1926	24.4	43	1944	16.4
19	1927	23.9	44	1945	15.9
20	1930	23.6	45	1941	15.2
21	1912	23.3	46	1962	15.1
22	1911	22.4	47	1961	13.7
23	1914	21.1	48	1946	13.6
24	1933	20.7	49	1947	11.7
25	1913	20.5	50	1948	11.2

Rank	Class	% of members	Rank	Class	% of members
50	1951	11.2	56	1955	9.6
50	1953	11.2	58	1954	9.5
53	1952	10.8	59	1957	9.3
54	1950	10.2	60	1956	8.6
54	1960	10.2	61	1959	7.8
56	1949	9.6	62	1958	6.2

A most important gain is in the recent classes — the Class of 1963 ranks 14th with 30.1%; 1962 and 1961 rank 46th and 47th respectively; 1960 is 54th. This is the result of a new program encouraging new graduates to continue their membership in the Association.

At the present time all the college constituent groups are in the process of conducting membership campaigns, soliciting their fellow graduates by telephone. Hopefully, by June, membership figures for all the constituent groups will show a good increase.

If each member would obtain but a single new member our Association membership would double and that would put us up in front where we belong. Our suggestion to you, then, is — why don't you take it upon yourself to obtain one new member for us. It would be easy for you — and greatly appreciated by all of us.

Sincerely,

Ed Haukef



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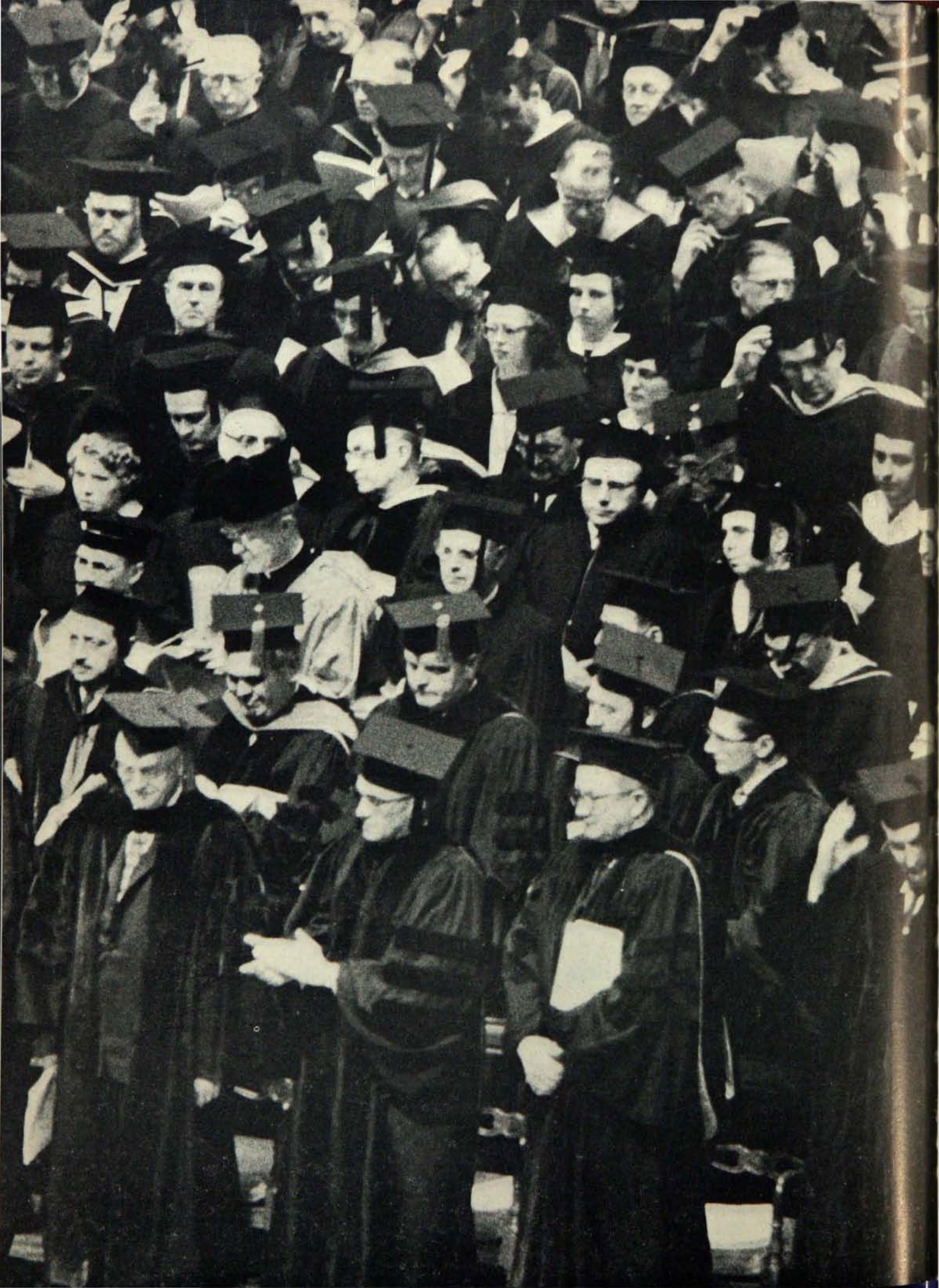
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Of the many problems facing university administrations all over the country, and that of the University of Minnesota in particular, one has surged to the foreground in the past few months that threatens to undercut much of the other work being done to maintain the quality of the institutions' educational level in the face of mounting enrollments. The problem in question goes by a number of names, but it is known most commonly as the "faculty raid." In recent years it has become the frequent device of small schools attempting to grow large, and of large schools becoming mammoth. At its worst, the "raid" is a financial blackjack over the heads of the administration; at its best, the element of dog-eat-dog competition between schools for faculty which it has introduced has somewhat frayed the academic gown.

The gravity of the situation at the University of Minnesota is such that President O. Meredith Wilson this year requested some \$4.5 million to be used for an 8 per cent faculty salary increase just to stay even in what he termed the "fierce competition" for college and university teachers.

He emphasized the seriousness of the University's hiring problems when he appeared before the Senate & House Finance Committees of the Minnesota State Legislature in February to answer questions on the salary increases.

"We live in a period when we are continuously, seriously being raided," he told the committee. "The University of California seems to feel that it can't open a new department without a Minnesotan to head it," he said. "That's flattering, but it doesn't make our job any easier."

Wilson's concern is well-founded. It is a fact that the University has been losing some 60 to 65 faculty members a year to the "raiders."

It is also a fact that a number of professors earning \$10,000 to \$12,000 as members of Minnesota's faculty have had offers of \$20,000 or more from other schools.

Although the University has been

The Faculty 'Raid'

New threat to higher education

"holding many more than that number (the 60-65) against strong offers from other institutions," Donald K. Smith, assistant vice president for academic administration, agrees that there is no question but that keeping first-rate people is the University's single "most difficult problem."

"Although competition from other colleges and universities has been great in the last five or six years," Smith adds, during the past year it has been "clearly more intense."

He cited two reasons for this increasing competition.

First, he says, "last fall marked the beginning of the real impact of the post-war baby boom and increased enrollments in higher education."

"This major jump is going to be repeated every fall for as far ahead as we can see," he says, and will

continue to put pressure on present faculty staffs and facilities.

The second factor responsible for the hiring crisis he describes as the "increasing awareness of the inter-relationship of strong universities and economic development," which has resulted in strong competition from universities which at one time were not competitive with Minnesota at all.

Smith is convinced that the situation will get worse before it gets better.

The problem of competition in recruiting and retaining qualified faculty members is not new to the University of Minnesota. Although money per se is not the only factor, the consensus of opinion seems to be that it is the *decisive* factor in getting and keeping the kinds of people the University needs.

Unfortunately, Minnesota is in an extremely poor position when it comes to matching dollars with similar schools in bidding for additions to the faculty, or trying to hold those presently on the staff.

President Wilson emphasized this point in his appearance before the Legislative Committees, explaining that in comparison with other Big Ten schools and the University of California, pay for full professors at the University had slipped from fifth in 1961 to eighth in 1965.

Another survey, covering the same institutions, indicates that Minnesota ranks 10th out of the 12 in average salaries plus fringe benefits for its nine-month staff, and 7th out of 11 for its 12 month staff.

What does that mean in terms of dollars and cents?

Just this: the average salary of a full professor at Minnesota hired on a nine-month basis is \$15,133. The University of California, on the other hand, which Wilson described as "one of the worst faculty raiders," pays its full professors an average of \$2,152 a year more, and second place Michigan averages \$2,100 more. Minnesota's average pay to the same individual is \$200 a year behind seventh-ranking Wis-

consin, \$760 behind fifth-ranking Illinois, and \$1,919 behind fourth-ranking Indiana.

"This means our capacity to compete has been seriously limited," President Wilson says, and forces Minnesota to resort to less tangible (and less persuasive) blandishments.

He also pointed out in the hearings that although salaries for professors at Minnesota have increased an average of 13 per cent since 1961, salaries at Wisconsin, which provides strong competition for good teachers, have risen 22.1 per cent, Iowa's salaries have increased 26.6 per cent, and those at Purdue and Ohio State have climbed 22.9 and 20 per cent, respectively.

The same problem afflicts the other teacher levels. Salaries for associate professors at Minnesota, which average \$11,070 a year for nine-month personnel, rank ninth among the 10 schools compared. Salaries for assistant professors (\$8,194) and instructors (\$6,711) both rank 10th.

Comparative rankings are particularly important because these are the schools with whom the University must principally compete in hiring staff members. Minnesota's

***"... keeping
first-rate people
is the University's
single most difficult
problem ..."***

relative incapacity to compete moneywise gives the other schools a financial edge that is difficult to oppose.

Particularly aggressive in this area is the University of California, which President Wilson refers to as the "worst of the raiders." Smith agrees that California is a "major



competitor," principally because it is starting new branches and searching the country for "key people" for those departments.

Uncompetitive as the University is, what then keeps staff members here?

Smith's explanation is that the University is attractive in a number of other ways: the opportunities a position might offer for contact with other outstanding people in a field, and the "attractiveness of Minneapolis-St. Paul as a place to live." Minnesota has many more cultural and recreational attractions than do most universities in its class, he says, and this is often enough to sway the individual.

The College of Liberal Arts' problem in trying to keep its best faculty members, in the words of Dean E. W. Ziebarth, is "almost unbelievable." In fact, CLA, the University's largest college, has at least one retention case a day. Such a case involves a faculty member who receives an outside offer that is "attractive enough" for him to consider leaving Minnesota.

CLA's difficulties can be listed very quickly:

● In the last two years, the college has lost 14 faculty members to other institutions. Most of these, according to Ziebarth, were "lured away" by salary increases of \$2,500 to \$4,000 a year.

● During that same period, CLA has been able to hold 31 people in spite of attractive outside offers. Ziebarth notes that "these are only the ones which have reached the dean's office officially. There are many people who, when they re-



ceive an offer, prefer to stay here and simply decline the offer without notifying either the department head or the dean."

● The college still has 24 other faculty members under "high pressure" from other institutions.

Ziebarth tells of the offer that was made recently to a professor in the social sciences at Minnesota.

This teacher, who was making about \$11,500 annually at the University, was offered a \$7,000 pay increase, a \$40,000 life and annuity insurance policy paid by the institution, free tuition for his children, a maximum of six hours of classroom teaching a week and a one year sabbatical leave after two or three years at his new job.

According to Ziebarth, the individual wanted to stay at Minnesota, but felt the University should make him a counteroffer. Increasing his salary, however, would have raised him above the pay level of senior members in his own department.

In another case, the University was trying to recruit a man it wanted to start a new department at Minnesota — an individual with an outstanding international reputation as a teacher and researcher in his scientific field.

When approached about coming to Minnesota, however, he indicated that he wanted a salary of nearly \$20,000 a year, no undergraduate teaching responsibility and only limited contact with graduate students, a grant to finance his research work and a sabbatical leave after just two years at Minnesota.

Minnesota could not meet demands like these, Ziebarth explains, but adds that the man could almost certainly have got what he wanted at a number of institutions. In fact, while another institution may have a number of professors above \$20,000, "we have almost none," Ziebarth says.

The 31 who elected to stay, he says, did so primarily for reasons other than money, because they "like the intellectual climate" and "excellent cultural and educational opportunities." Because of the general attractiveness of the University and community, some "top scholars would rather be here at slightly lower salaries."

As a result, Ziebarth says, "we are able to maintain a position of distinction which is really greater than our salaries can justify."

Ziebarth is convinced that winning the competition in CLA, as in all other University colleges, is crucial now because the "supply of really distinctive and productive people we want is diminishing."

At the same time, the number of colleges and universities scrapping over that limited supply is increasing. Principal contestants at the moment are the Big Ten, Harvard, the University of California and the University of Texas, but many "second rank" institutions are joining the fray as they begin to receive larger appropriations with which to snare "really top people."

When offers are received, they are normally reviewed by the department concerned, by the dean, the academic vice-president, and



many times by President Wilson himself.

According to Ziebarth, these people then decide "whether it is in the best interests of the University to make salary adjustments, in view of the limited resources available."

According to Smith, the main source of funds to meet offers from other schools or to make an attractive offer to a man the University wants is the money the State Legislature gives for salary improvement. This money is not distributed evenly to all faculty members, he says, but is given out according to demonstrated merit of the individual.

Extra funds sometime become available as senior staff members leave and are replaced by others at lower salaries. Money left over in this process can then be applied in that department or another to improve salaries.

Smith admits, however, that the University's ability to fight the pressures placed on it in recruiting and retaining staff has been declining steadily.

"We can only defend a relatively small number of those we would like to hold," he says.

Three of the department heads within CLA agree that the hiring and retaining problem of the University is linked to another: the shortage of competent young men.

Due to the University's comparatively low ranking among the

schools competing for faculty, it must frequently search out younger men to fill its departmental staffs. While these people may not be established in their fields they show great promise of becoming outstanding.

But John G. Darley, chairman of the psychology department (which ranks among the top six or seven in the country) says that even the "competition for young people is getting more severe" because the demand is outrunning the supply of young Ph.Ds.

Of the 22 people in his department he says ten received "substantial" offers in the past two years. These offers hit at the department's top ranks — what Darley calls his "absolutely essential faculty."

Only two of the ten actually left. Four others turned the offers down because they weren't interested in them; the remaining four, Darley says, were held by the University by "fighting off the offer," either by salary raises or by extending support of the individual's research.

The political science department has faced similar problems, and Charles H. McLaughlin, chairman, agrees that demand at the lower levels of recruitment has increased greatly.

Just three years ago, he explains,

(Continued on page 34)

CHARTER DAY



this is a university

The University of Minnesota celebrated its 114th birthday on February 26 with a traditional Charter Day convocation and birthday party. Held as the climax to University of Minnesota Week, Charter Day commemorates the founding of the University on February 25, 1851, when Minnesota's territorial government voted to establish an educational institution at or near St. Anthony Falls "to be known as the University of Minnesota." Although the total population of the territory at the time was only 7,000, and an educational system capable of creating a demand for a college education was virtually non-existent, by chartering the University when it did the territory could obtain a grant of land from the federal government with which to endow the school. The laws passed then have since remained as the governing charter for the University, even though the institution did not actually begin operating as a college until 1869.

There was confusion for many years regarding the date which should be recognized as the true founding date of the University. This indefiniteness was eliminated in October, 1939, when the Regents adopted a resolution to the effect that the 1851 action of the legislature should in the future be regarded as the official beginning of the school, and be celebrated as such.

As usual, this year's ceremonies played to a packed

seventh in a series

house at Northrop Auditorium. Several thousand students, excused from classes to attend, joined in singing "Hail! Minnesota," while a huge birthday cake was presented to University President O. Meredith Wilson. As the president cut the cake with a borrowed ROTC sword, the symphony ensemble of the second University concert band played a special birthday fanfare. Both crowd and band later joined Wilson and the cake on stage to help eat.

The celebration continued later in the day with the dedication of the new Space Physics Laboratory in the south wing of the Physics building by Vice President (and alumnus) Hubert H. Humphrey. □



President Wilson blows out the candles while Vice President Stanley J. Wenberg looks on.



It looked like a bread line, but there was cake at the end of it. Students fill the stage to join in the attack on the multi-layered Charter Day centerpiece.

THE CANDIDATES

It's again time to vote for candidates for the Board of Directors of the Minnesota Alumni Association. Ten candidates have been nominated this year for the five vacant positions on the Board, which is the governing body of the MAA and the source of the Association's officers, who will be named by those alumni selected in this annual nationwide election.

According to MAA Executive Director Ed Haislet, the voting period officially opens upon receipt by the members of their copies of this issue, the April issue, of the *Alumni News* magazine. All ballots must be in by May 26. Results will be announced officially at the Association's annual meeting on June 1.

The nominating committee appointed by Judd Ringer '38-'41, president, includes Waldo Hardell '26BSBus, Robert B. Gillespie '26BA '28LLB, Irene Kreidberg '30BSBus, Ray Foley '48BA, Howard Olson '47BS and Edwin A. Willson '30BEE, chairman.

The official ballot, to be filled in and returned to the Association office for tabulating, appears on page 43.

Hallberg



Owen K. Hallberg '46BSAg '47 MA is general manager of Dairy Maid Products, Eau Claire, Wisconsin, a federated marketing cooperative for dairy plants located in Wisconsin and Minnesota, a position he has held since 1959. He has served as alumni representative on

the St. Paul Campus Union Board of Governors for several years, and is a past president of the College of Agriculture, Forestry and Home Economics Alumni Association. In 1962 he received the Alumni Service Award. He presently serves as vice-president and vice-chairman of the Board of Dairy Society International, vice president of the Wisconsin Council of Agriculture, director of the National Dairy Council, and serves on the promotion committee of the American Dry Milk Institute. He is also a member of the special advisory board to the Director of the Wisconsin Department of Agriculture and is a director of the Wisconsin 4-H Club Foundation. He is a member of Farmhouse, professional agriculture fraternity, and Alpha Zeta, honorary agriculture fraternity.

Hanson

Harry B. Hanson '26AMS is executive vice president of Welander Quist Mortuary of Minneapolis, the



firm by which he has been employed for 40 years. A past president of the Mortuary Science Alumni Association, his other activities include memberships in the Masons, the Zuhrah Shrine, the Hennepin Avenue Methodist Church, Minneapolis Athletic Club and the University of Minnesota Alumni Club.

Johnson

Grant Johnson '38BSEd '46MA, an educator and administrator for 25 years, is Superintendent of Schools for Detroit Lakes, Minnesota. He previously held similar positions in Mountain Lake, Wanamingo, Pine Island and Odessa, Minn., and was a teacher and coach at Cloquet. While attending the University he was a member of the Big Ten Championship basketball team of



ALUMNI NEWS

1937. He has been the University's scholarship chairman for 12 years in northwestern Minnesota, and in 1953 was Homecoming Alumni King. He is presently chairman of the Governor's Committee on Recreation and Health, and a member of the State Planning and Building Commission for Public Schools in the State of Minnesota. He has also served as chairman of the first FEPC Committee in Minnesota.

Kyle

Richard E. Kyle '25BA '27LLB, a partner in the St. Paul law firm of Briggs and Morgan, has practiced law continuously in that city since his graduation, with the exception of a period during World War II when he served as a colonel in the U.S. Army. A member of the Board of Governors of the Minnesota State Bar Association, he is a



past president of the Ramsey County Bar Association and a Fellow of the American College of Trial Lawyers. He also holds memberships in Phi Gamma Delta, Phi Delta Phi and the Order of the Coif.

Laughlin

Gloria Boock Laughlin (Mrs. J. C.) '34BSEd is the mother of three children and the wife of a St. Cloud, Minn., contractor. A

former speech teacher in the public schools of Sherburne, Austin, and Chisholm, her civic activities include terms as president of the Parent Teachers' Association, the League of Women Voters, Camp



Fire Girls' Council, and Episcopal Churchwomen. During 1962 and '63 she was a member of the Governor's Committee on Mental Health. Currently she is president of Reading Room and active in the American Association of University Women, American Field Service, political and church groups, and the St. Cloud Chapter of the Minnesota Alumni Association.

Macho

Kendall B. Macho '32BSPHm is



vice-president-public relations and St. Paul representative for Rowell Laboratories, Baudette, Minn. He has held the latter post for 16 years. He is past president of the College of Pharmacy Alumni Association, past president of the Phi Delta Chi Fraternity Alumni Association, and past president of the Minnesota State Pharmaceutical Travelers. He presently serves on the board of directors of the College of Pharmacy Alumni Association, and is a member of the Minnesota State Pharmaceutical Association and the St. Paul Athletic Club.

Martini



Edwin A. Martini '28BA '30LLB is a member of the Duluth law firm of Martini, Harper and Gustafson, and has been practicing there since his graduation. While attending the University he was an ROTC Cadet Colonel, member of the University Council, president of the Law School, member of the Grey Friars and Phi Sigma Kappa fraternity. He has since served two terms as a trustee of trust funds of the University of Minnesota, and has been chairman of the scholarship committee in northern Minnesota. He is past president of the Northern Minnesota Alumni Association, Duluth Rotary Club, the Symphony Association, and the American Red Cross.

Naftalin



Frances Healy Naftalin (Mrs. Arthur) '39BA is the wife of the mayor of Minneapolis and the mother of three children. She is the immediate past president of the College of Liberal Arts and University College Alumni Association, and has also been active in the League of Women Voters, the Democratic Women's Forum, WAMSO (the Women's Association for the Minneapolis Symphony Orchestra), and the Walker Art Center. She is chairman of the University High School American Field Service Committee, a member of the Minnesota Civil Liberties Union, and a director of the East Side Neighborhood Service.

Peterson

James G. Peterson '42BS '49MA is president and general manager of J. M. Dain & Co., Inc., Minneapolis investment bankers, by whom he has been employed since 1950, initially as a registered representative. While attending the University he was active in the Institute Aero Society and ROTC, and upon graduation, served from 1942-47 as an officer in the U.S. Army Air Force. A graduate of the Wharton School of Finance, Peterson has served two consecutive three-year terms on the Board of

Governors of the Midwest Stock Exchange and one year as vice chairman of the board. In 1961-62 he was chairman of the Understanding Business Committee of the Minneapolis Chamber of Commerce, and chairman of the Economics for Executives Committee. He also served a three-year term as a member of the Chamber's Board of Directors and is currently



a vice president. He is a member of the Minneapolis Athletic Club, the Wayzata Country Club, and the Minneapolis Club.

Quale

Otto W. Quale '40BA, is vice president, sales, for the publications division of Josten's, Inc., Owatonna, Minnesota. He previously served as advertising manager for



several Minnesota newspapers, and was a member of the University's School of Journalism staff from 1947-50. From 1956-61 he served as chairman of the Steele County Republican Committee, and is past commander of the American Legion and past president of the Owatonna United Fund. In 1962 he served as campaign manager for C. Donald Peterson, candidate for lieutenant governor. He is presently a member of the Steele County Alumni Association, a director of Field Financial Corporation, Minneapolis, and was recently elected to the Bishop and Council of the Minnesota Diocese of the Episcopal Church at its 108th Convention in Minneapolis.



BOOKS

Eric Sevareid

A collection of essays, weekly columns and radio broadcasts by University of Minnesota graduate Eric Sevareid has been published by McGraw-Hill Book Company. Sevareid, who received his B.A. in political science from the University in 1935, has been a news correspondent and commentator for CBS News for 25 years.

Born in Velva, North Dakota, he began his newspaper career on the *Minneapolis Journal*, later joining the staff of the *Paris Herald Tribune* and the *United Press*. His other books include "Canoeing With the Cree," "Not So Wild a Dream," and "In One Ear."

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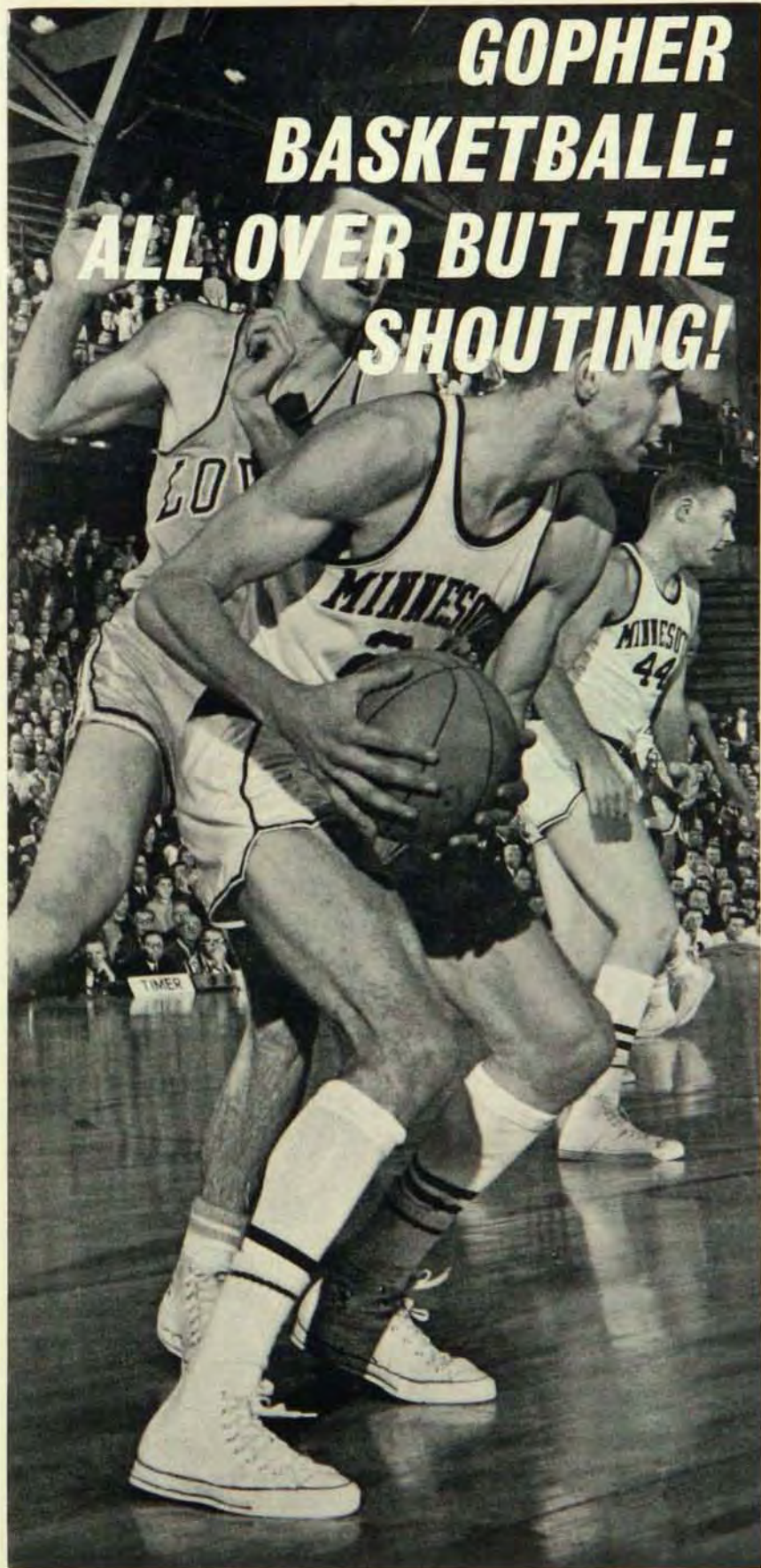
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PETE
PETERSON

ALUMNI NEWS

by *mike lyons*

GOPHER BASKETBALL: ALL OVER BUT THE SHOUTING!



The Big Ten championship got away, but John Kundla's 1965 Minnesota basketball team put in a firm claim for recognition as perhaps the finest Gopher hardwood entry ever. It did so despite an admittedly thin squad, a tendency to erratic play and the loss of one of its best players before the Conference season even got underway.

In the process, the Gophers finished second in the Big Ten with an 11-3 record which would have been good enough to tie for the title a year earlier, were ranked seventh and eighth nationally in the wire service polls, set a batch of new records and won more games (19) than any other Minnesota team in history. Three of their five losses were to UCLA and Michigan, the NCAA champion and runnerup.

Although he naturally would have liked a share of the title, Kundla was understandably happy with the season. "I'm extremely proud of the boys," he remarked. "After we lost Terry Kunze in December and then dropped two games in the Los Angeles Classic, I was afraid we might lose our confidence. But I was pleasantly surprised. We went a lot farther than I thought possible under the circumstances."

Minnesota had been rated as Michigan's chief challenger for the Conference crown when the season started and was ranked as high as third in December. The loss of Kunze for scholastic reasons dimmed the outlook considerably, however. Then, a lackluster performance in the Los Angeles tourney gave the experts pause for some second thoughts.

Despite these misgivings, the Gophers followed the pre-season form sheet about as closely as possible. They compiled an 8-2 non-conference record, the best since 1949, and went on to win eight of their first nine Big Ten games before running afoul of Michigan 91-78 at Williams Arena in a game that was termed as possibly the champion Wolverine's finest of the year. This defeat, although virtually end-

ing the Gophers' title aspirations, did nothing to diminish their taste for combat. They came back to win three of their remaining four contests, including an apoplectic 85-84 finale against Iowa.

Minnesota hit three peaks during the campaign — in the winning efforts against Illinois (105-90) and Indiana (100-88) and in the 88-85 rematch loss to Michigan at Ann Arbor. Down by 43-40 to the Illini at the half, the Gophers came back to scourge the invaders with a 65-point second half, led by Lou Hudson's 25-point output. Against the Hoosiers, things were positively grim at the half with the visitors sporting a neat 51-44 lead which they promptly ballooned to a nine-point advantage early in the second half. Torrid shooting, again paced by Hudson, and brilliant defensive play quickly reversed matters. Against Michigan, it was see-saw from start to finish.

The Gophers had heroes in abundance. Hudson, the team's most valuable player, won All-Big Ten first team honors for his part, although he was denied All-American recognition, a fact which is generally considered a monumental oversight in Conference circles. The lean, lithe junior was magnificent over the last half of the Big Ten campaign, both offensively and defensively. After averaging under 20 points for his first five Conference games, Hudson scored 32, 29, 34, 31, 25, 31, 20, 31 and 27 points in his last nine outings. In addition, he turned in one of the finest defensive performances the Big Ten has ever seen. The 6-5 forward broke the Minnesota individual scoring record with a total of 558 points, seven better than Eric Magdanz' old mark set in 1961-62, and wound up third in Big Ten scoring with 347 points and a 24.8 average. His 139 field goals led the league. He also ranked second among Gopher rebounders and eighth in the Conference.

Hudson was not alone, however. Capt. Mel Northway finished his career as the greatest rebounder in Minnesota history, both in Conference games with 186 and for the entire campaign with 321. He

ranked second to Illinois' Skip Thoren among Big Ten rebounders. The 6-8 center finished third in Gopher individual scoring with 341 points and a 14.2 average.

The junior guards, Archie Clark and Don Yates, represented one of the finest backcourt combinations in the Conference. Clark, next year's captain-elect, was runnerup in Gopher scoring with 344 points (14.3 average). Yates was close behind with 332 (13.8). Both have exceptionally quick hands and excellent speed afoot. They helped make the Gopher fast break click and turned in their share of defensive gems.

Dennis Dvoracek, who had been expected to be the chief reserve, was called into the breach when Kunze bowed out of the picture. After a shaky start, he developed into a steady performer.

Although the bench was lacking in numbers, guard Wes Martins and forward Paul Presthus performed capably when needed, giving the regulars welcome respites.

Team records broken by the Gophers include: (1) Most points scored in 14 Conference games (1,213); (2) most points scored in one complete season (2,007 in 24 games); (3) best field goal shooting average for Conference games (.453); (4) best field goal percentage for a complete season (.451).

With only four seniors scheduled to be lost from this year's squad, prospects for next year appear bright. Among this group, only Northway was a regular and, in fact, the only one to see much action. The others are guard Dave Nelson, forward-center Dave Wykes and center Jim Ginsburg. A starter since his first collegiate game three years ago, big Mel will be missed.

Heir apparent to the pivot spot is 6-7, 225-pound freshman Tom Kondla, a former all-state player from Brookfield, Illinois. An excellent shot and a good jumper, Kondla is exceptionally strong and has the potential to be a first-rate Big Ten center. If his development as a sophomore is adequate, the Gophers could be a prime contender.

Another member of the freshman team who could help considerably is guard Wayne Barry, 6-0, from Milwaukee. He is fast, quick, a fine floorman and a crack shot. Fred Kusch, 6-8, 230-pound center from Wonder Lake, Illinois, has tremendous strength and should provide competent relief for Kondla. Still others who figure to make the varsity are forwards Gale Kottke, 6-7, Glenwood; Nick Priadka, 6-5, Minneapolis (Edison); and Bill Moore, 6-5, who attended high school in Birmingham, Michigan but now resides in Edina.

Six members of next year's entry — Hudson, Clark, Yates, Dvoracek, Martins and reserve guard Dean Lopata — got their baptism in collegiate competition on a squad which finished third in 1964. This year, of course, they played on a second-place team. Logical progression would indicate a first-place finish in 1966.

Kundla declines to make any predictions, however. "Let's wait and see," he warns. "Lots of things can happen between now and next November to change the picture."

The players are not so guarded. Clark puts it this way: "Next year, we win." □

BACK TALK

(Continued from page 5)

am interested, however, in not "throwing good money after bad."

James F. Olson—'59BA



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ALUMNI NEWS

ALUMNUS ON THE MOVE!

Creating a climate for fresh new ideas and employee enthusiasm in a 91-year-

old company that is steeped in tradition and heritage is something Wilfred E. Lingren excels at. In fact, if employees of The Miller Publishing Company of Minneapolis had held an election to pick one of their number to succeed the late Milton B.

Kihlstrum as president, Lingren probably would have won the job hands down.

Cool and collected when dealing with critical situa-

tions, both internal and external, Lingren, at a youthful 44, moved up from executive vice president to president following the death of Kihlstrum in March of last year. Known as "Bill" to his staff and friends, he is described by a colleague as the type you would like to have as a commanding officer if you were to return to military service. Associates agree that Lingren is an approachable executive with an out-going personality, a computer-like memory, and a strong sense of organization. "He never squanders time and energy wrestling with trivialities," says one veteran employee of the firm.

The Miller company symbol is a gryphon, a modernized version of a mythological monster half lion and half eagle, which has been the Miller trademark since 1873. Lingren refers to him as "the bird" and claims he's contributed a lot to the company's good fortune over the years. "Sometimes he's brought us just the right talent we have needed to fill an important assignment," he said. "Sometimes he's guided us into a position of being at the right place at the right time.

"We have had some lucky breaks in our history, and we like to think 'the bird' is always hovering around to bring us a little bit of luck when we need it."

A native of Forest City, Iowa, Lingren showed an early bent for the publishing business when he started a neighborhood sports publication at the age of 14. The paper had a pass-along circulation of about 10 and failed to survive beyond its first issue. Lingren now blames "lack of advertising support" for its demise and he has never since forgotten the need for an aggressive advertising sales organization.

His first rebuff by the reading public failed to stifle his interest in the editorial side of publishing, however, and experience on college papers, including *The Minnesota Daily*, and small-town weekly newspapers helped develop his fundamental belief in honest, high-quality editorial product, a conviction which is the backbone of Miller's publishing philosophy.

He spent his first two years of college in Forest City, Iowa, then moved on to the University of Southern California, and finally to the University of Minnesota, from which he graduated in 1943 with a bachelor's degree in journalism.

He first joined Miller in 1941, when he left the *Owatonna Photo News* to fill in on the editorial staff of *The Northwestern Miller* while Kihlstrum was hospitalized.

After an interruption of several years for military service in the Army, Lingren returned to Miller in 1946, working principally on *The Northwestern Miller*, *Feedstuffs* and as editor of *American Baker*, later merged with *The Miller*.

In 1951 he moved into advertising, sales promotion

(Continued on page 34)





RUSSELL W. BURRIS, associate professor and director of the Center for the Study of Programmed Learning, received his B.A. degree from the University of Colorado in 1949 and a Ph.D. from Indiana in 1958. In 1962 he received a research grant from the Hill Family Foundation of St. Paul to establish the Center which he now heads and for which he is also principal investigator. The Center's purpose is to carry on research in programmed learning for college-level courses, normally involving teaching by machine without the direct instruction of a professor. The University is presently experimenting with 22 different programs, the most successful of which has been a course in French phonology. Machine teaching of this sort, Burris says, allows the student to progress at his own rate, a learning factor which has not been given much attention in the past. "This program can't excite you about a field," he says, "but it does allow the student to acquire more knowledge in about half the usual time."

FACULTY CLOSE-UP

The University of Minnesota

ALUMNI FUND

1964 HONOR ROLL

The following is a list of alumni and friends who gave to the Alumni Fund in 1964. This is to acknowledge the generosity of our contributors and to express thanks to each for his loyalty and support of the Alumni Fund.

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The Fund Advisory Committee is proud to announce the results of alumni giving for the calendar year 1964. Total gifts received from alumni were in the amount of \$305,451.28.

In 1964, for the first time, an attempt has been made to report all gifts from alumni to the University no matter the channel through which the gift was received.

Major channels for gifts to the University are: The Regents, The University of Minnesota Foundation, the Alumni Fund, the Special Projects Program, the Medical Foundation and the Law School (because of its alumni scholarship program).

Herein reported is the total number of gifts as well as total dollars received from alumni through all major channels *except the Board of Regents*. Alumni gifts through the Board of Regents will be reported beginning with the 1965 report.

ALUMNI GIFTS 1965

Alumni	4844	\$116,442.44
Special Projects Program	133	8,387.32
Law School Scholarship Program	97	3,617.50

Medical Foundation	192	20,000.00
University of Minnesota Foundation	32	157,004.26
	5298	\$305,451.26

This is a percapita gift of \$57.65, an increase of \$24.70 over a year ago, which was \$32.95. The number of alumni donors went up 79.7%, from 2948 to 5298.

The Alumni Fund in its second year of operation showed a 1.98% increase in total gifts, with an increase of 63.4% in the number of alumni participating in the Fund. Alumni are asked to give to a college project of their choice but to also give to the Freshman Scholarship Program.

Certain groups of alumni are asked to give more than once: "M" winners to the Williams Fund; alumnae in the metropolitan area to the Fund for the Continuing Education of Women; members of all classes, starting with their 35th year out of the University, to give \$10.00 a year to their Class Fund. What should you give? As an easy measure — \$1.00 per year for each year out of the University and split your gift because all alumni are asked to give to a college project and to the Freshman Scholarship Program.

SUMMARY ALUMNI RESULTS FOR 1964 ARE:

Total gifts 1963 \$ 97,137.19
 Total gifts 1964..... 116,442.44
 up \$19,305.25 or 19.8%

Per capita gift 1963 \$32.95
 Per capita gift 1964 24.03
 down \$8.92

Total number gifts 1963 2,948
 Total number gifts 1964 4,844
 up 1,896 gifts or 64.3%

Percent of participation by alumni
 Mailed 1963—110,0002.68% participated
 Mailed 1964—112,0004.32% participated
 up 1.64%

ALUMNI FUND PROJECTS 1964

Aero Alumni Scholarship Fund	18	\$ 298.00	Minnesota Alumni Freshman		
Agriculture Sophomore Scholarship	19	204.52	Scholarship	1,704	25,456.52
E. T. Bell Fund	1	10.00	Minnesota Alumni Scholarship		
Hallie Bruce Memorial Prize Fund	23	391.00	Chicago Club	3	825.00
School Business Administration			Minnesota Alumni Scholarship		
Service Fund	2	212.50	Greater St. Louis	1	115.00
Wilbur H. Cherry Memorial Scholarship	89	3,368.00	Minnesota Alumni Scholarship		
E. G. Cheyney Memorial Scholarship ..	3	40.00	New York Club	1	200.00
CLA & University College			Minnesota Alumni Scholarship		
Distinguished Teacher Award	141	1,393.00	Northern California	1	300.00
Class of 1906 Scholarship Fund	2	115.00	Minnesota Alumni Senior Class Cauldron	621	1,051.33
Class of 1913 - 50th Anniversary Fund	3	160.94	Minnesota Alumni Graduate Fellowship	6	148.00
Class of 1914 - 50th Anniversary Fund	16	395.00	Minnesota Alumni Loan Fund	2	42.00
Class of 1915 - 50th Anniversary Fund	53	1,030.00	Minnesota Medical Alumni		
Class of 1916			Student Center Fund	143	21,286.14
Bernie Bierman Scholarship	27	1,219.00	J. L. Mirriam Scholarship	1	2.00
Class of 1916 - 50th Anniversary Fund	21	624.45	Mortuary Science Service Fund	21	232.00
Class of 1917 - 50th Anniversary Fund	29	295.00	North Star Scholarship Fund	11	57.00
Class of 1918 - 50th Anniversary Fund	21	250.00	Alumni Fund for		
Class of 1919 - 50th Anniversary Fund	18	340.00	Nursing Student Services	65	551.00
Class of 1920 - 50th Anniversary Fund	29	585.00	Occupational Therapy Scholarship	1	2.50
Class of 1921 - 50th Anniversary Fund	47	840.00	Wesley E. Peik Teacher Education Fund	92	657.50
Class of 1922 - 50th Anniversary Fund	36	357.00	Pharmaceutical Education & Research	27	737.00
Class of 1923 - 50th Anniversary Fund	40	525.00	President's Unrestricted Fund	1	13.00
Class of 1924 - 50th Anniversary Fund	54	565.00	Public Administration Fellowship	2	110.00
Class of 1925 - 50th Anniversary Fund	49	625.00	School of Public Health Fund	2	7.50
Class of 1926 - 50th Anniversary Fund	44	445.00	Special Education Scholarship	1	10.00
Class of 1927 - 50th Anniversary Fund	60	587.00	Student Aid & Research Fund		
Class of 1928 - 50th Anniversary Fund	58	670.00	(Unrestricted)	42	1,727.50
Class of 1929 - 50th Anniversary Fund	48	515.00	St. Paul Student Center Fund	1	17.00
Class of 1930 - 50th Anniversary Fund	46	538.00	Blanche Thompson Fund	1	10.00
Class of 1931 - 50th Anniversary Fund	27	967.89	U.M.D. Stadium Fund	18	163.00
School of Dentistry Alumni Scholarship	17	1,439.00	Clara Ueland Fellowship Fund	2	20.00
School Forestry Service Fund	1	100.00	University of Minnesota Women's Club		
Henry J. Fletcher Memorial Fund	18	1,222.00	of Detroit Scholarship Fund	1	200.00
Friends of Library Fund	12	196.00	William Reynolds Vance		
Harry E. Gerrish Bookshelf Fund	1	7.50	Scholarship Fund	5	180.00
Henry E. Hartig Service Fund	34	834.75	Veterinary Medical Alumni Scholarship	49	421.00
Home Economics Alumni Fund	8	132.00	Henry L. Williams Scholarship Fund ..	602	36,807.33
Home Economics Service Fund	2	35.00	Women's Continuing Education		
Horticulture Research Fund	1	50.00	Scholarship	137	1,167.00
Institute of Technology			TOTALS	76 Projects	4,844 \$116,442.44
Alumni Scholarship	15	112.50			
School of Journalism Scholarship	36	377.00			
Law Alumni Loan Fund	1	25.00			
Charles A. Mann Fund	1	12.50			
Mines & Metallurgy Alumni					
Equipment Fund	7	690.00			
Minnesota Alumnae Club Loan Fund ..	40	295.50			
Minnesota Alumnae Club					
Scholarship Fund	61	826.07			
Minnesota Alumni Endowment Fund ..	1	5.00			

GEOGRAPHICAL DISTRIBUTION OF GIFTS

Total In-State Gifts3,080 \$82,805.37
 Total Out-State Gifts1,764 33,637.07
 Totals4,844 \$116,442.44

DISTRIBUTION OF GIFTS

BY AMOUNT

\$1	622	\$ 599.69
2	311	635.52
4	138	440.20
5	1,048	5,240.00
10	1,522	15,035.00
15	161	2,340.74
20	117	2,304.97
25	433	10,818.75
50	223	10,050.68
100	166	15,587.75
125	6	672.94
200	44	7,825.00
750	38	15,334.99
Other	15	29,556.21
Totals	4,844	\$116,442.44

DISTRIBUTION OF GIFTS

BY COLLEGE

CLA	945	\$12,868.95
Education	631	6,067.37
IT	592	10,000.95
MD	392	12,616.35
Nursing	118	932.25
DDS	137	1,854.50
Agr. For. & Home Ec.	227	2,927.27
Farm School	28	214.00
UMD	56	329.00
Business	307	4,511.89
Pharmacy	87	1,445.00
Law	242	5,917.50
Vet. Med.	52	447.00
Mort. Science	41	392.00
Other	989	55,918.41
Totals	4,844	\$116,442.44

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A

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 Baeker, J. B.
 Baggen, E. I.
 Bagley, D. S.
 Bagley, E. H.
 Bagley, Mrs. L. A.
 Bahleda, Miss D. C.
 Bahnak, J. J.
 Bahnak, J. J.
 Bailey, Mrs. L. D.
 Bailey, Miss M. L.
 Bailey, V. K.
 Bailey, Miss V. M.
 Bailey, W. L.
 Bailey, A. D., Jr.
 Bailey, E. W., Jr.
 Bain, Mrs. R. C.
 Bak, Mrs. V.
 Baker, A. B.
 Baker, D. R.
 Baker, J. D.
 Baker, R. H.
 Bakken, C. J.
 Bakula, H. E.
 Balch, E. H.
 Baldwin, F. B., Jr.
 Ball, R. A.
 Ball, F. E., Jr.
 Balmer, A. I.
 Barber, H. H.
 Barich, S.
 Barich, S. S.
 Barker, R. G.
 Barlow, A. A.
 Barnes, Mrs. D. P.
 Barnum, G. R.
 Barr, Miss J. T.
 Barrow, Mrs. W. F.
 Barry, D. G.
 Bartholdi, R. E.
 Barwise, Mrs. S. D.
 Basford, Mrs. L. D.
 Basom, Mrs. W. C.
 Basquin, P. P.
 Bastian, R. W.
 Bastien, V. R.
 Baston, A. P.
 Baston, F. L.

Bateman, W. P.
 Baudler, B. J.
 Bauman, A. J.
 Baumgartner, A. W.
 Baumgartner, F. H.
 Bayard, R. P.
 Bayerle, Mrs. H. D.
 Bayers, D. R.
 Bayley, B.
 Beach, Mrs. J. W.
 Beadie, W. M.
 Beals, Mrs. H.
 Bean, D. W.
 Bear, G. N.
 Bearman, Mrs. H. S.
 Bearman, R. N.
 Beauffaux, M.
 Beber, E. F.
 Beberg, C. B.
 Beck, C. J.
 Beck, Miss M. L.
 Beck, R. E.
 Becker, Mrs. E.
 Becker, Mrs. G. R.
 Becker, J. M.
 Beckman, D. L.
 Beckstrand, P. E.
 Beckstrom, J. C.
 Beecham, C. T.
 Beedle, E. A.
 Beekman, J. A.
 Beeman, H. J.
 Beerhalter, R. J.
 Beggs, Miss H. V.
 Begin, Z. L.
 Behrendt, Miss J. E.
 Behrsdorf, K. E.
 Beke, M. A.
 Belcher, R.
 Belcher, R. A.
 Belden, Miss M. F.
 Bell, Mrs. M.
 Bell, M. J.
 Bell, Mrs. N. J.
 Bellman, S. H.
 Bendel, R. P.
 Bendickson, A. H.
 Bendickson, G. L.
 Bendtsen, D.
 Benjamin, H.
 Benjamin, W. G.
 Bennett, T. W.
 Benschöter, D. A.
 Bensen, Miss J. C.
 Benschhof, L. W.
 Benson, C. S.
 Benson, C. S.
 Benson, D. O.
 Benson, E. S.
 Benson, H. J.
 Benson, J. C.
 Benson, M. A.
 Benson, M. H.

Benson, R. R.
 Benson, Miss S. J.
 Benson, Mrs. W. A.
 Bentilla, Miss S. E.
 Bentley, Mrs. T. H.
 Benz, Miss G. S.
 Bercou, J. D.
 Berg, Mrs. A.
 Berg, E.
 Bergan, R.
 Berger, I.
 Bergeron, V. O.
 Bergerud, A. L.
 Berggren, P. V.
 Bergh, G. S.
 Bergh, S. M.
 Berglund, H. A.
 Berglund, Miss H. L.
 Bergman, D. H.
 Bergman, Mrs. I.
 Bergman, O. B.
 Bergman, W. L.
 Bergstrom, R. W., Jr.
 Berkner, L. V.
 Berkove, L. I.
 Berkowitz, Miss F.
 Berland, R. H.
 Berman, R.
 Berman, Mrs. R. A.
 Bernards, W. M.
 Berndt, D. M.
 Berning, T. J.
 Bernstein, Mrs. G. A.
 Bernstein, J.
 Bernstein, Miss R.
 Berrettoni, J. N.
 Berry, D. G.
 Berttula, G. R.
 Berzelius, C. E.
 Bessesen, A. N., Jr.
 Best, M. J.
 Best, Miss S.
 Bevan, W. A.
 Beveridge, G. B.
 Beyer, F. C.
 Bezek, A. J.
 Bianco, A. J., Jr.
 Biehn, L. H.
 Bier, Miss M.
 Bierman, Mrs. B. W.
 Bierman, J. M.
 Biernot, Miss J. M.
 Bieter, J. T.
 Bieter, R.
 Bieter, T. G.
 Bigelow, Miss E.
 Bigler, I. E.
 Bigot, A. E.
 Bilkovich, F. R.
 Billman, Miss B. A.
 Billman, J.
 Bing, Mrs. H.
 Binger, Miss A. L.

Bird, W. R.
Bisset, Miss K. J.
Bittner, Miss M. A.
Bjerre, F.
Bjorge, G. N.
Bjorklund, R. J.
Bjorlie, J. E.
Bjornaraa, D.
Bjorn Dahl, O.
Bjorn Dahl, Mrs. O.
Bjornstad, G. L.
Bjornstad, Mrs. G. L.
Black, Mrs. D. G.
Black, J. H.
Black, R. L.
Blackburn, Mrs. V.
Blackwell, Miss S. E.
Blackwell, Miss S. E.
Blair, T. P.
Blake, P. S.
Blanchard, R.
Blanchett, F. J.
Blazek, L. A.
Blazic, V. F.
Blegen, T. W.
Blöhm, H. J.
Blomgren, B. O.
Blomquist, H. F.
Bloom, N. B.
Bloom, P.
Bloom, S.
Blusjo, Miss V. E.
Blue, C. W.
Bluedorn, Miss A. C.
Bockstruck, Miss E. H.
Bodaski, A. A.
Boddy, F. M.
Bodley, Mrs. W. H.
Bodman, G. B.
Bohmback, Mrs. C. E.
Boles, A.
Bollag, F. J.
Boller, Mrs. C.
Bolstad, L. H.
Bolstad, Mrs. M. M.
Boman, P. G.
Bond, Miss E.
Bonder, I. L.
Bonner, J. L.
Bonnerup, R. N.
Borg, J. E.
Borman, Miss L.
Borowicz, L.
Borstad, R. A.
Borstad, R. A.
Bottemiller, E. L.
Boitke, Mrs. W. F.
Boudry, M. O.
Boushor, Mrs. M. A.
Bovey, M. K.
Bowen, A. W.
Bowen, R. E.
Bowen, Mrs. R. E.
Bowes, Mrs. H. E.
Bowes, H. E.
Bowles, Mrs. T. P., Jr.
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Bowman, Miss J.
Boyer, D. C.
Boyles, Mrs. W. R.
Boyum, R. B.
Braasch, W. F.
Brackett, J. C.
Brackett, Mrs. J. C.
Bradford, H. K.
Bradley, D.
Brainard, J. B.
Brainerd, Miss S. J.
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Brandt, H. E.
Brannin, Mrs. T. G.
Branstad, W.
Brastad, A. P.
Bratnober, H. L., Jr.
Brauer, G. M.
Braun, C. L.
Braun, F. R.
Bray, C. W.
Bray, P. N.
Brazman, R.
Brazman, Mrs. R.
Brecht, E. A., Jr.
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Brede, Miss C. A.
Breedon, J. R.
Bregel, Mrs. F. L.
Breimer, Mrs. T. S.
Breiseth, Mrs. N. M.
Breiseth, N. M.
Brekke, H. J.
Brellenthin, C. W.
Bremicker, C. T.
Brennan, Miss F.
Brennan, N. W.
Bress, M. E.
Brewster, L.
Bricher, C. W.
Brick, E. B.
Bridgman, G. H.
Briere, T. W.

Briese, T. M.
Briggs, M. R.
Brinker, R. C.
Brinkworth, Q. G.
Britzius, K. E.
Britzius, Mrs. K. E.
Brivkalns, Miss Z.
Brockway, R. W.
Broderick, J. P.
Broderon, P. M.
Broker, H. M.
Brolling, R. A.
Bronfman, J. M.
Bronson, D. E.
Brooks, Mrs. W. W.
Bros, Mrs. C. K.
Brown, D. A.
Brown, D. N.
Brown, Miss E. S.
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Brown, G. R.
Brown, H.
Brown, H. R.
Brown, Miss M. B.
Brown, M. J.
Brown, Mrs. P. A.
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Brown, W. R.
Brown, J. E., Jr.
Brown, R. W., Jr.
Broz, J. M.
Brubaker, A. S.
Brudenell, J. E.
Bruestle, K. E.
Brumfield, O. M.
Bruning, C. R.
Brunner, D. G.
Bruzek, B. J.
Bryan, Mrs. W. B.
Bryngelson, Mrs. L. F.
Buchner, F. J.
Buchta, J. C.
Buchta, J. W.
Buchwald, Mrs. L. S.
Buck, F. W.
Buckbee, J. C.
Buckeye, Mrs. R.
Buckwald, R. A.
Buechner, Mrs. N. R.
Buechner, Mrs. N. R.
Buelow, J. H.
Buhl, A. O.
Bunker, B. W.
Bunker, P. G.
Bunn, Mrs. W. B.
Burck, A.
Burger, A.
Burk, Miss M. C.
Burke, Miss M. M.
Burke, R. J.
Burkhardt, A. A.
Burns, W. T.
Burr, R. A.
Burrell, W. P.
Burrier, C. A.
Burroughs, Mrs. C. J.
Busch, Miss A. M.
Bush, Mrs. M. S.
Butler, Mrs. A. R.
Butler, B. A.
Butterworth, R. I.
Butwinick, C. S.
Butz, W. R.
Butz, Mrs. W. R.
Buzzelli, D. T.
Bye, J. E.
Byerly, K. R.

C

Cahn, J. D.
Cahn, Mrs. R.
Cahoon, D. D.
Caldwell, R. J.
Calkins, Mrs. E. M.
Call, J. E.
Callstrom, R. C., Jr.
Calrity, M. H.
Camp, Miss E. A.
Campbell, Miss A. E.
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Campbell, J. R.
Campbell, O. J.
Canfield, B. J.
Canfield, D. H.
Canfield, Mrs. L. M.
Canfield, T. M.
Canner, J. P.
Cant, H. G.
Capistrant, T. D.
Capps, L. R.
Card, Mrs. I. L.
Carey, Miss E.
Cargill, Miss M. A.
Carleton, F. H.
Carley, R. B.
Carlson, Mrs. G. R.
Carlson, B. E.
Carlson, C. C.

Carlson, C. E.
Carlson, D. B.
Carlson, D. J.
Carlson, Mrs. D. W.
Carlson, E. R.
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Carlson, J.
Carlson, Miss J. M.
Carlson, J. V.
Carlson, K.
Carlson, Miss N. J.
Carlson, O.
Carlson, R. E.
Carlson, Miss R. M.
Carlson, R. V.
Carlson, W. C.
Carlson, C. R., Jr.
Carlsted, Mrs. A.
Carpenter, R. L.
Carroll, Mrs. E.
Carroll, Mrs. P. S.
Carson, Miss E. C.
Carstater, E. D.
Carter, Mrs. D. K.
Cartwright, P. A.
Carver, M. R.
Carver, Mrs. M. R.
Cary, E. F.
Cashman, M. R.
Caspers, C. G.
Cates, D. P.
Catlin, T. J.
Cavert, W. L.
Cayou, C. C.
Center, S.
Cervenka, C. F.
Chamberlain, W. R.
Chambers, Mrs. J. B.
Champlin, G. L.
Chandler, Mrs. G. M.
Chang, K. H.
Chantelosi, S. L.
Chantelosi, S. I.
Chantooit, M. K., Jr.
Chapman, A. D.
Chapman, C. B.
Chapman, D. V.
Chapman, J. L.
Charmley, Mrs. M. V.
Charon, R. L.
Chatelain, V. E.
Cheeley, D. G.
Chem, C. C.
Chem, Miss J. S.
Chem, P. Y.
Cheney, Mrs. J. T.
Cheng, L. W. K.
Chernack, M. J.
Cherry, Miss A.
Chester, D. K.
Chikkeka, C. O.
Childs, Miss M.
Chi-Han Feng, H.
Chisholm, R. J.
Chope, Mrs. H. M.
Chope, H. M.
Chou, Miss J.
Christensen, B. A.
Christensen, C. E.
Christenson, D. A.
Christenson, D. D.
Christenson, H. L.
Christenson, P. C.
Christgau, R. A.
Christgau, V. A.
Christiansen, H. K.
Christiansen, L. P.
Christiansen, O. C.
Christianson, M. K.
Christlieb, E. B.
Christofferson, H. C.
Christopherson, J. E.
Chubb, Mrs. E. D.
Chunn, S. S.
Clark, Mrs. C. F.
Clark, D. K.
Clark, D. R.
Clark, D. W.
Clark, J. B.
Clark, J. F.
Clark, L. S.
Clark, Mrs. R. B.
Clark, S. W.
Clark, E. G., Jr.
Clarke, Miss M. E.
Clarke, Miss M. Z.
Claussen, Miss C. M.
Clement, Miss A.
Cless, H. L.
Clewell, M. E.
Cline, H. R.
Closuit, F. C.
Clyman, H. L.
Cobb, Mrs. R. L.
Cochrane, B. B.
Codere, Miss H. F.
Coe, J. I.
Coe, Mrs. J. I.
Coffman, W. M.
Coffman, W. M.
Cohen, A. A.

Cohen, E. B.
Cohen, E. M.
Cohen, Mrs. J. G.
Cohen, L.
Cohn, M. A.
Cohn, A.
Colberg, G.
Colby, R. V.
Colby, W. L.
Cole, Mrs. O. A.
Coleman, E. E.
Coleman, Mrs. F. W.
Coleman, Mrs. H. W.
Colestock, R. O.
Collatz, F. A.
Collier, S. W.
Collin, G. A.
Collins, C. H.
Comer, H. D.
Comfort, Mrs. T. H.
Complin, S.
Compton, Mrs. K. T.
Conaway, J. C.
Confer, Mrs. O. A.
Conforth, Mrs. E. C.
Conhaim, H. J.
Conn, N. A.
Connel, C.
Connell, J. E.
Connolly, D. S.
Connott, W. T.
Connolly, C. J., Jr.
Conrad, Mrs. J. E.
Conroy, R. W.
Conroy, S. W.
Cook, E. N.
Cooke, G. W.
Cooney, L.
Cooney, J. T., Jr.
Cooper, C. I.
Cooper, Mrs. C. W.
Cooper, Miss K. J.
Cooper, W. J.
Coover, C. D.
Coover, D.
Copeland, R. E.
Coram, Mrs. U. G.
Corbett, J. M.
Corbett, L. W.
Cornelison, Mrs. R. W.
Corrigan, J. F.
Corzine, Miss C. A.
Cosgrove, R. C.
Costello, W. A.
Costello, Mrs. W. A.
Cote, D.
Cottingham, Miss M.
Cotton, Miss E. M.
Coulter, W. T.
Courter, E. N.
Cousins, V. M.
Cowan, G. M.
Cowan, G. W.
Cox, Miss D. C.
Cox, Miss E. G.
Cox, Mrs. J.
Craig, Miss J. M.
Crane, Mrs. C. W.
Crane, F. M.
Crane, G. M.
Crassweller, Miss E. J.
Crawford, Mrs. W. H.
Creedy, D. C.
Crema, Miss L. J.
Crewe, Mrs. J. C.
Critchett, Mrs. E. F.
Crocker, D. C.
Crohn, Miss S. A.
Croom, H. G.
Croonquist, D. G.
Croonquist, N. C.
Crosby, C. W.
Cross, B. S.
Crossley, Miss S. M.
Crowthwait, Mrs. H. S.
Crowl, V. C.
Crowley, J.
Crowley, M. O.
Crowley, T. J.
Crum, W. F.
Culbert, E. C.
Culligan, Miss A. V.
Cullinan, G. R.
Cummings, K. C.
Cunningham, M. J.
Cunningham, R. D.
Cunningham, Mrs. R. J.
Currey, Miss J. W.
Currier, Mrs. C. C.
Curry, E. B.
Curry, J. A.
Cutts, G.
Cutts, Mrs. R. E.
Cutts, Miss T. L.
Cyranski, A.

D

Daehlin, R.
Dahl, Miss B. V.
Dahl, K. E.
Dahlberg, H. W., Jr.

Dahlen, M. A.
Dahlgren, Miss E. S.
Dahlke, A. E.
Dale, Mrs. D. W.
Dalen, Miss A.
Dallman, J. W.
Dallmann, Miss M.
Dalrymple, C. R., Jr.
Damberg, S. W.
Damerow, R. A.
Daniels, Miss B. J.
Daniels, F.
Daniels, F. P.
Daniels, J. H.
Daniels, Mrs. J. H.
Daniels, J. H., Jr.
Daniels, H. A.
Danielson, Mrs. A. A.
Danielson, C. C.
Darrell, J. E.
Darrell, N.
Dassett, J. W.
Dau, J. N.
Dau, Mrs. J. N.
Daum, Miss W. L.
Dauwen, Miss M.
Davey, J. P.
David, S. D.
Davidson, Mrs. A. W.
Davidson, Miss E. L.
Davidson, N. A.
Davidson, Mrs. R. K.
Davies, F. A.
Davies, H. F.
Davies, Miss I. J.
Davis, Mrs. B. G.
Davis, G. G.
Davis, Mrs. G. R.
Davis, H. G.
Davis, Mrs. H. W.
Davis, R. D.
Davis, R. S.
Davis, Miss S. E.
Daws, Miss M. H.
Dawson, Mrs. A. M.
Dawson, D. T.
Dawson, W.
Day, N. D.
Day, R. A.
De Jonge, E. H.
De La Hunt, Miss L. G.
Deal, J.
Dean, R. F.
Deardorff, J. H.
DeGuiseppe, G. B.
Dehler, D. A.
Deinard, A. S.
Deinard, Mrs. A. S.
Deinard, D. N.
Deminger, M. M.
Delaney, Mrs. L. C.
DeMeules, J. E.
Demmer, H. L.
Denman, Mrs. B. J.
Denn, J. N.
Deno, E.
Densmoor, Mrs. D. W.
Derauf, D.
Derrick, Mrs. B. B.
Deters, M. E.
Dettmers, A. E.
Devine, T. J.
Devlin, A. E.
Dewald, A. L.
Dewey, D. H.
Dibble, Miss J. E.
Dickinson, Miss R. J.
Dickson, L. C.
Dickson, R. H.
Diesson, Miss G. R.
Diessner, G. R.
Dietzman, J. F.
Distad, H. W.
Dittberner, G. J.
Doan, R. E.
Dodds, W. C.
Dodge, Mrs. D. C.
Doell, J. F.
Doherty, Mrs. C. J.
Dollarhide, K. L.
Doms, V. A.
Donaldson, C. F.
Doney, Miss R. K.
Donley, Miss M. R.
Donnelly, R. J.
Donovan, H. W.
Donovan, Mrs. P. W.
Donovan, P. W.
Dorn, Miss J. M.
Dordall, Miss B. A.
Dosen, D. C.
Dotson, G. A.
Doty, Mrs. W. H.
Dougall, J. R.
Dowling, C. W.
Downey, Miss J.
Downing, W. L.
Doyle, L. C.
Doyle, V. A.
Drake, C. B.
Drake, Mrs. E. A.
Draves, R. P.

Dreher, Mrs. O. C.
Dreis, Miss T. A.
Drenckhahn, C. H.
Dreves, Mrs. Carl A.
Drew, H. F.
Drew, Miss M. S.
Drips, Miss D. G.
Dudovitz, J. L.
Duell, H. W.
Dugan, W. E.
Dukelow, D. A.
Dulit, E. P.
Dumas, R. K.
Dunbar, Miss K. M.
Duncan, K.
Dunden, Mrs. M. G.
Dungay, Mrs. H. E.
Dungey, P. W.
Dunham, R. O.
Dunlap, E. H.
Dunn, C. N.
Dunning, Miss F.
Durda, C.
Durham, J. M.
Durkee, Miss M. E.
Durocher, A. A.
Duryea, W., Jr.
Dvoracek, Mrs. D. C.
Dwan, P. F.
Dwan, R. H.
Dworsky, P. A.
Dypwick, O. J.
Dyrdahl, H. D.
Dyrdal, P. J.
Dzubay, T. G.

E

Eames, P.
Eason, F. J.
Eastman, H. V.
Ebcloglu, I. K.
Ebin, J.
Eckardt, Mrs. B. F.
Eckdale, J. E.
Ecklund, E.
Eckman, P. L.
Edd, H. A.
Eddy, C. J.
Edelman, A. M.
Edelstein, M. M.
Ederer, Miss G. M.
Edgell, E. E.
Edgell, S. C.
Edie, E. I.
Edin, Miss N. J.
Edler, C. T.
Edmonds, Mrs. I. R.
Edsten, Miss M. M.
Edstrom, D. J.
Edward, A. H.
Edwards, D. C.
Edwards, F. R.
Edwards, Miss M.
Edwards, W. E.
Edwards, R. G.
Edwardson, W. P.
Eells, K. M.
Effress, B. H.
Egan, W. T.
Egeland, Miss R. M.
Eglite, J. I.
Eguptill, Miss G.
Ehrenberg, C. J.
Ehrman, J. S., Jr.
Eichenholz, A.
Eide, Miss P.
Eidsmore, E. L.
Eiken, M.
Eiler, A. H.
Eilsrud, F. S.
Eisenach, K. J.
Eisenfeld, I.
Eisenstadt, D. H.
Eisenstadt, W. S.
Ekar, Miss C.
Ekberg, H. C.
Eke, A. B.
Ekelund, C. T.
Ekola, L. R.
Ekwall, E. H.
Elaison, Miss W.
Eldien, H.
Ellingston, D. S.
Elmendorf, Mrs. A. G.
Elmquist, A. B.
Elonen, Miss A. S.
Elvig, B. L.
Elvin, Mrs. J.
Emme, A. H., Jr.
Emmons, H.
Emond, A. J.
Enal, Mrs. L. B.
Enches, Miss E. L.
Endress, Mrs. A.
Eneboe, J. B.
Enerson, A. E.
Engdahl, S. E.
Engel, D. L.
Engelbret, D. G.
Engelstad, C. J.
Englund, E. F.

Engstrom, E. W.
Engstrom, R. E.
Epstein, L. E.
Erdall, A. C.
Erhart, Mrs. R.
Erickson, L. G.
Erickson, Miss A. O.
Erickson, C. O.
Erickson, D. E.
Erickson, D. J.
Erickson, E. C.
Erickson, Mrs. E. E.
Erickson, F.
Erickson, J. J.
Erickson, Miss J. L.
Erickson, Miss J. S.
Erickson, Miss M. E.
Erickson, N. E.
Erickson, R. C.
Erickson, R. P.
Erickson, T. A.
Ericson, R. W.
Erlanson, C. W.
Erling, C. B.
Ernst, O. M.
Ernst, H. W., Sr.
Ernststein, W. B.
Erring, H. J.
Ersfeld, M. P.
Erstad, Miss A. H.
Espelien, Miss J. H.
Essila, J. E.
Estervog, Miss A.
Estes, Mrs. M. J.
Estrem, R. D.
Evans, J. T.
Evans, R. B.
Evenson, A. E.
Evenson, J. V.
Everhard, Miss M. A.
Ewald, E.
Ewert, Miss E. L.
Ewing, Mrs. H. K.

F

Fabel, M. C.
Faber, G. I.
Fabiak, C. G.
Factor, D.
Fadner, R. H.
Fagerstrom, J. E.
Fahy, F. M.
Fairchild, Mrs. R. B.
Falck, G. M.
Falk, E. A.
Falk, S. R.
Fandek, R. H.
Farel, G. M.
Farley, Miss M. E.
Farmer, Mrs. H. E.
Farrand, Mrs. W. B.
Farrington, D. L.
Farrish, C.
Farthing, F. R.
Faus, N. A.
Fausch, Miss M. R.
Faut, G. J.
Fawcett, A. M.
Featherstone, R. P.
Feickert, J. E.
Feinberg, D. E.
Feinberg, P.
Feinberg, S. B.
Feinberg, S. S.
Felber, J. H.
Felhaber, R. S.
Felt, R. L.
Fenger, E. P.
Fenger, Mrs. E.
Fenstermacher, Miss L. I.
Fenton, P. C.
Fergestad, G.
Ferraro, J.
Ferrell, C. R.
Ferris, Mrs. J. L.
Fetter, F.
Ffolliott, J. H.
Fibiger, J.
Fiedler, Miss F.
Filbert, K. W.
Findell, L. C.
Fine, M. E.
Fink, L. W.
Fink, W. W.
Finkelstein, J.
Finlayson, H. C.
Finley, J. M.
Firestone, B. I.
Fischer, R.
Fischer, R. W.
Fisher, J. A.
Fishhaut, L. B.
Fisker, Mrs. A. P.
Fitch, Mrs. G. W.
Fiterman, A. M.
Fitzsimons, W. E.
Fladmark, D. G.
Flanagan, H. F.
Flannigan, J. R.
Fleming, R.
Fleming, W. F.

Flesche, J. C.
Flock, Miss E. V.
Flor, H. H.
Floren, K. E.
Florence, G. R.
Flores, Miss V. M.
Flynn, C. S.
Flynn, E. F.
Flynn, Mrs. T. M.
Foley, R. W.
Folk, Mrs. C. W.
Folsom, D. C.
Forbes, C. E.
Ford, Mrs. G. S.
Ford, Mrs. M. H.
Ford, P. J.
Ford, R. H.
Ford, R. P.
Forster, R. B.
Foster, H. M.
Foster, J. J.
Foster, O. W.
Fox, Miss B. C.
Frane, D. B.
Frank, L. F.
Frank, S. V.
Frank, H. J.
Frankel, D. P.
Frankel, Mrs. D. P.
Franti, Miss V.
Frantz, A. A.
Franz, S. J.
Pranzen, N. A.
Frary, F. C.
Fraser, C. G.
Fraser, D. M.
Fraser, D. R.
Fraser, G.
Frederick, E. C.
Free, J. E.
Freedland, M. E.
Freeman, O. L.
Freeman, H. H.
Freeman, Mrs. O.
Freier, Miss E. F.
Freitag, Miss K. F.
Fremstad, Miss J. K.
French, D. D.
French, L. A.
Freund, F. N.
Frey, W. A.
Freymler, E. F.
Fried, C. L.
Friedman, C. L.
Friedman, I. L.
Friedman, Miss P. J.
Friedrick, G. W.
Friedell, G.
Friel, B. P.
Friel, Mrs. B. P.
Friend, D.
Fris, R. W.
Fristedt, B. E.
Fristedt, W. L.
Frits, G. W.
Fritsche, T. R.
Fritsche, W. H.
Fritz, S. J.
Frost, Miss E. M.
Fruen, K. L.
Fryhofer, W. W.
Fryklund, G. E.
Fryklund, V. C.
Fuglsang, H. H.
Fuhmann, A. O.
Fujita, G. Y.
Fukushima, Mrs. P. S.
Fulford, Miss I. L.
Fullagar, Mrs. R. A.
Fuller, R. G.
Fulson, R.
Fulton, W. C.
Funk, D. C.
Funkhouser, J. B.
Furukawa, T.
Fuson, R. C.
Fust, F. J., Jr.

G

Gaarde, F.
Gage, F. K., Jr.
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Gale, Mrs. R. P.
Gall, B. J.
Gall, Miss P. O.
Gall, S. A.
Gallagher, R. E.
Gallagher, S. F.
Galligan, P. F.
Gambill, H. D.
Gammell, J. H.
Gangestad, R. W.
Gansberg, M.
Garber, J. J.
Garber, S. S.
Gardner, L. W.
Gardner, W. I.
Gardner, W. P.
Garmaker, R.
Garmers, H. A.

Garner, B., Jr.
Garthus, I. B.
Garton, L.
Garvis, G. E.
Garzon, J. R.
Gates, C. E.
Gates, R.
Gault, N. L., Jr.
Gauper, L. L.
Gauthier, Miss J. M.
Gearing, Miss M. P.
Geer, A. B.
Geer, J. R.
Geerken, F. K.
Gehring, L. G.
Gehrman, F. W.
Geib, M. J.
Geiger, Mrs. C. D.
Geiger, J. W.
Gellhorn, E. A.
Gelman, Miss G. M.
Gendler, G. L.
Gendler, S. L.
Gerald, J. E., Jr.
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Geretz, J.
Gerlach, W. D.
Germann, Miss J. M.
Gernes, Mrs. A.
Gerths, E. E.
Getten, M.
Geurs, Mrs. F. M.
Ghobrial, G. B.
Ghostley, M. C.
Gibb, C. R.
Gibson, G. R.
Giel, P.
Giese, D. J.
Giese, T. F.
Giesen, J. E.
Gilbert, G. M.
Gilbertson, A. T.
Gilbertson, C. A.
Gildner, J. L.
Gill, C. F.
Gill, J. J.
Gill, K. A.
Gill, R. L.
Gillespie, R. B.
Gillett, M. O.
Gillis, W. N.
Gilman, F. E.
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Gilman, L. C.
Gilsdorf, D. A.
Giltinan, D. M.
Ginsberg, R. L.
Ginter, Mrs. A.
Gladstein, P.
Gladwin, Mrs. W. R.
Glaeser, J. H.
Glain, G. N.
Glass, P. D.
Gleason, R. L.
Glenn, G. G.
Goeman, Miss E. O.
Gold, J. J.
Goldberg, I. M.
Goldberg, M. B.
Goldberg, Miss M. L.
Goldman, B. S.
Goldman, M. M.
Goldman, M. W.
Goldman, R. S.
Goldman, T. I.
Goldstein, E. M.
Goldstein, Miss H. I.
Goldstein, M.
Gollnick, L. H.
Gollnick, Mrs. N. M.
Golseth, R. G.
Gometz, Miss M. E.
Good, Mrs. G. D.
Good, Miss M. E.
Good, R. H.
Good, R. W.
Goodman, Miss M. J.
Gorder, J. L.
Gordon, H. H.
Gordon, H. W.
Gore, R. W.
Gorgen, R. L.
Gormley, Miss M. A.
Gorski, M. G.
Goss, Mrs. B. C.
Goss, H. L.
Gottlieb, M. T.
Gottlieb, H. A.
Gottlieb, J.
Gottstein, Mrs. J. B.
Gould, E. S.
Gould, Miss M. R.
Goustin, A. S.
Graceman, Mrs. D. D.
Graham, Mrs. S. A.
Graham, S. A.
Grandin, Mrs. C. L.
Graning, H. M.
Granrud, Mrs. M. D.
Grant, A. K.
Graven, Mrs. H. N.
Graven, H. N.

Graven, J. H.
Graves, W. C.
Gray, D. M.
Gray, F. D.
Graybeal, Miss S. E.
Greden, R. G.
Greation, D. L.
Greaves, G. H.
Greeza, W. N.
Green, A. T.
Green, Miss B. E.
Green, C. R.
Green, G. C.
Green, Mrs. P. E.
Greife, C.
Greiff, J. E.
Grettum, I. G.
Grettum, Mrs. I. G.
Grewe, Mrs. R. C.
Griah, R.
Griffen, Miss E. G.
Griffin, Mrs. B. B.
Griffith, Mrs. W.
Griffiths, T. J.
Griffiths, W.
Griffiths, Mrs. W.
Griggs, Miss P. A.
Griggs, R. W.
Grime, Miss E. M.
Grimm, W. D.
Gritton, P. C.
Groseth, T.
Groskreutz, Mrs. E. H.
Gross, L.
Gross, Mrs. L. M.
Gross, L. M.
Grossman, Mrs. E. T.
Grottrum, B. E.
Grow, R. W.
Grube, R. M.
Gruber, M.
Gruenberg, B. C.
Grueman, V. A.
Grundland B.
Grunz, L. C.
Gubrud, R. E.
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Gustafson, C. H.
Gustafson, Mrs. O. E.
Gustason, H. T.
Guthmann, H. M.
Gutmann, R.

H

H'Doubler, Mrs. F. T., Jr.
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Haberle, E. L.
Haberman, C. R.
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Hadrath, Mrs. K. C.
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Hafermann, M. D.
Hafrey, D. J.
Hafslund, E. R.
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Hagen, P. E.
Hagen, R. A.
Hagen, S.
Hagen, W. M.
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Hagenah, Miss T.
Hager, G. P.
Hagerman, O. S.
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Haglund, R. V.
Haigh, Miss M. E.
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Haines, W. H.
Haislet, E.
Hakenjos, F. M.
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Halenbeck, P. L.
Haley, T. W.
Halgren, B. R.
Hale, W. W.
Hall, J. R., Jr.
Hallberg, O. K.
Hallberg, R. A.
Hallman, G. H.
Halloran, T. J.
Hallquist, B. M.
Halprin, R. I.
Halprin, Mrs. R. I.
Halverson, K.
Halverson, P. L.
Hamelberg, Miss E. T.
Hamernik, F. J.
Hamilton, Mrs. C. S.
Hamilton, L. M.
Hamlet, Miss M. E.

Hamlin, Miss M. M.
Hamm, H. A.
Hamm, W. Jr.
Hammer, J. C.
Hammar, L. M.
Hammargren, L.
Hammond, R. C.
Hamren, Mrs. K.
Hanna, J. P.
Hanold, T.
Hanover, R. D.
Hanse, L. T.
Hansen, Miss A.
Hansen, Mrs. D. W.
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Hansen, J. A.
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Hanson, R. H.
Hanson, R. S.
Hanson, Miss S. A.
Hanson, T. A.
Hanson, W. A.
Hanzel, Miss M. F.
Hardell, W. E.
Harder, Miss T. L.
Harley, Miss S. J.
Harmala, W. L.
Harmel, J. C.
Harney, M. L.
Harold, G. M.
Harper, R. D.
Harrington, B. D.
Harris, Mrs. H. B.
Harris, L. E.
Harris, M. I.
Harris, R.
Harris, S., Sr.
Harris, W. T., Jr.
Harrison, W. C.
Hart, F. W.
Hart, Miss H.
Hartig, H. E.
Hartig, Mrs. H. E.
Hartig, Miss K. A.
Hartig, R. P.
Hartigan, J.
Hartnagel, G. F.
Harvey, R. R.
Haas, Miss R. L.
Haas, Mrs. W.
Hatch, L. A.
Hathaway, J. C.
Hauck, R. C.
Haug, Miss L.
Haugen, Mrs. K. V.
Haugen, Mrs. G. U.
Haugen, G. W.
Hauger, Miss B. A.
Hauser, D. C.
Hauver, P. A.
Haven, Mrs. G. A.
Haverstock, H. W., Jr.
Hawfitch, G. G.
Hawker, W. G.
Hawn, H. W.
Hay, L. J.
Haycraft, H.
Heagle, Miss B.
Hearn, Miss M. E.
Heatherman, M. E.
Hebbel, R.
Heck, E. L.
Hed, J. R.
Hedenstrom, F. G.
Hedenstrom, Mrs. R.
Hedin, E. T., Jr.
Hedman, T. E.
Heegaard, W. R.
Heetderks, B. J., Jr.
Heffter, M. S.
Hegberg, Miss C. J.
Heggstad, C. B.
Hegman, R. H.
Hegre, O. D.
Hegstrom, G. D.
Hel, S. G.
Heiam, W. C.
Heiberg, O. D.
Heimark, J. J.
Heimbach, A. H.
Heinze, R. V.
Heise, E. E.
Heisig, Mrs. G. B.
Helgeson, G.
Hella, R. P.

Helland, Mrs. H.
Hellebo, Miss C. B.
Helleloid, A. S.
Heller, A. M.
Heller, Mrs. S. E.
Helleie, J.
Helm, Mrs. F.
Helnick, D. S.
Hempel, D. J.
Hempstead, C. N.
Hempstead, Mrs. R. L.
Hendel, J.
Hendricks, R. W.
Hendrickson, Miss A. A.
Hendrickson, A. B.
Hendrickson, L. D.
Hendrickson, R. A.
Henle, N. A.
Henry, K. G.
Henry, R. G.
Hensler, R. G.
Henslin, M. E.
Henson, Mrs. E. D.
Henz, Miss H. E.
Herbold, D. E.
Herman, Miss A. L.
Herrst, L. R.
Hersh, M. H.
Hersman, M. M.
Hertig, W. B., Jr.
Herdorffer, M. B.
Hess, A. W.
Hewer, L.
Hewer, Mrs. L.
Hewitt, Miss M. E.
Heylman, Mrs. C. M.
Hicks, D. B.
Hicks, W. R.
Hiemstra, W.
Higgins, E. J.
Higholt, H. W.
Higley, R. B.
Hilgendorf, J. M.
Hilgers, R. D.
Hilgert, R. J.
Hilken, O. W.
Hill, Mrs. H. P.
Hill, J. R.
Hill, Mrs. M. L.
Hill, R.
Hillard, R. E.
Hillir, S. R.
Hillstrom, D. P.
Hilton, E. R.
Hindertie, Mrs. D.
Hinman, L. J.
Hippas, Mrs. D. M.
Hirsch, G. M.
Hirsh, S. A.
Hitchcock, H. M.
Hitchcock, Mrs. H. W.
Hitchcock, Miss J. C.
Hkohlner, Miss M. E.
Hobart, Miss I. M.
Hockenberger, Miss H. E.
Hodapp, R.
Hodapp, W. J.
Hodges, Mrs. J. S.
Hodgson, F. C.
Hodgson, F. C.
Hodgson, S. F.
Hodgson, Mrs. W. W.
Hodroff, W. A.
Hoeglund, Mrs. K. C.
Hoem, Mrs. B. A.
Hoepfer, P. G.
Hoepner, J. W.
Hoese, H. A.
Hoff, E. O., Jr.
Hoffer, J. R.
Hoffert, H. E.
Hoffman, Mrs. H. H.
Hoffmann, P. J.
Hofhn, H. H.
Hogan, L. J.
Hoganson, D. E.
Hogg, J. H.
Hohenhaus, H. A.
Hokkanen, E. R.
Holdaway, F. G.
Holdaway, Mrs. F. G.
Holden, Mrs. H. L.
Holley, W. W.
Holmberg, Mrs. R. E.
Holmer, P. L.
Holmes, F. L.
Holmes, Miss J. A.
Holmgren, M. E.
Holmquist, H. E.
Holmsten, Mrs. R. B.
Holmstrom, C. H.
Holmstrom, H. A.
Holper, V. J.
Holst, M. I.
Holstad, C. A.
Holstad, S. R.
Holt, Miss A. E.
Holton, Miss R. L.
Holton, R. V.
Holzbach, Mrs. H. E.
Homman, Miss F.

Honkanen, C. D.
Hood, R. P.
Hook, Mrs. A. P.
Hoppen, E. E.
Horan, W. P., Jr.
Horn, C. E.
Horn, H. R.
Horn, H., Jr.
Horton, Mrs. W. P.
Hoseth, W. L.
Houghtaling, J.
Houglund, H. G.
Houglum, A. J.
Houkom, S. S.
Houlton, Miss R.
House, J.
Hovda, Miss E. M.
Hovde, R.
Hovick, Miss S. K.
Howard, Mrs. C. E.
Howard, C. E.
Howard, D. G.
Howard M. G.
Howard, M. I.
Howard, R. B.
Howard, S. E.
Howatt, M. L.
Howe, H. M.
Howell, J. R.
Howland, Mrs. H. V.
Howland, Miss K. J.
Hoxemier, Mrs. M. T.
Hoyer, L. J.
Hoyer, L. W.
Hoyt, C. J.
Hoyt, S. L.
Hrycak, P.
Hubachek, F. B.
Hubbard, F. A.
Huber, Miss M. A.
Huberty, J. R.
Hudson, R. D.
Huemoller, N. R.
Huey, Mrs. H. G.
Hughes, F. J.
Hughes, T.
Hull, Mrs. B. M.
Hultmann, Miss B. D.
Humes, L. R.
Humiston, Mrs. B.
Hummel, Miss K. P.
Humphrey, Miss J. A.
Hunegs, J.
Hunt, Mrs. R. A.
Hunter, Mrs. W. W.
Huntington, Mrs. M. G.
Huntley, L. L.
Hurd, R. N.
Hurst, C. L.
Hurt, Mrs. H. W.
Huseby, B. J.
Husen, P. C.
Huston, Miss A. M.
Hustvedt, R. C.
Hutchins, A. E.
Hutchinson, C. J.
Hutchinson, Mrs. C. S., Jr.
Hye, J. M.
Hye, K. A.
Hyland, L. J.

I

Idstrom, L. G.
Ildstad, L. A.
Ilk, B. W.
Ingemanson, J. M.
Ingersoll, G. E.
Inghram, Mrs. R. H.
Inglis, W. H.
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Ireland, G. W.
Ireland, Mrs. J. D.
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Irwin, M.
Isakson, R. L.
Ishii, E. K.
Island, D. D.
Iverson, Mrs. A.
Iverson, O. I.
Ivy, Mrs. J. H.

J

Jackson, H. T.
Jackson, J.
Jackson, Mrs. R. L.
Jackson, Mrs. S. L.
Jacob, T. A.
Jacobs, J.
Jacobs, R. M.
Jacobs, S. G.
Jacobs, S. J.
Jacobson, C.
Jacobson, Miss C. M.
Jacobson, E. R.
Jacobson, E. T.
Jacobson, Miss G. G.
Jacobson, Mrs. K. A.

Jacobson, Mrs. R.
Jacobson, W. L.
Jacott, W.
Jaeger, E. M.
Jaffe, A.
Jahn, Mrs. L. A.
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Jamieson, Mrs. T. A.
Jamison, L. D.
Janneck, Mrs. E. W.
Jansen, T. R.
Janzen, Miss D. M.
Jaracz, Mrs. W. A.
Jarnick, J. C.
Jaska, Mrs. M.
Jenks, Miss E. M.
Jenne, Mrs. D. D.
Jennings, G. J.
Jennings, T. J.
Jensen, Mrs. A. G.
Jensen, Miss D.
Jensen, H. H.
Jensen, H. K.
Jensen, R. A.
Jensen, Mrs. R. A.
Jepson, D. W.
Jerabek, Miss E.
Jerabek, P. E.
Jerome, B.
Jerome, Mrs. C. W.
Jevne, F. P.
Jewson, D.
Jirgal, G. H.
Jirgal, G. H.
Joel, D.
Johanson, Mrs. A. R.
Johns, M. S.
Johnson, A. F.
Johnson, A. J.
Johnson, A. L.
Johnson, B. B.
Johnson, Mrs. B. E.
Johnson, C. A.
Johnson, Miss C. A.
Johnson, C. E.
Johnson, C. T.
Johnson, C. W.
Johnson, D. A.
Johnson, D. D.
Johnson, D. F.
Johnson, D. H.
Johnson, D. L.
Johnson, D. W.
Johnson, Mrs. E.
Johnson, E. C.
Johnson, Miss E. D.
Johnson, Mrs. E. E.
Johnson, E. H.
Johnson, E. L.
Johnson, Miss E. V.
Johnson, F. E.
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Johnson, F. W.
Johnson, G.
Johnson, G. B.
Johnson, G. E.
Johnson, G. F.
Johnson, Mrs. G. F.
Johnson, G. J.
Johnson, G. R.
Johnson, Miss H. M.
Johnson, Mrs. H. M.
Johnson, H. R.
Johnson, Mrs. H. W.
Johnson, Miss I. T.
Johnson, J. L.
Johnson, Miss J. S.
Johnson, J. W.
Johnson, K. T.
Johnson, L. A.
Johnson, L. L.
Johnson, Miss M.
Johnson, Miss M. E.
Johnson, Mrs. M. J.
Johnson, M. L.
Johnson, M. R.
Johnson, Mrs. O. J.
Johnson, Miss O. M.
Johnson, P. A.
Johnson, P. N.
Johnson, P. R.
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Johnson, R. C.
Johnson, R. G.
Johnson, R. H.
Johnson, R. H.
Johnson, R. L.
Johnson, R. R.
Johnson, R. S.
Johnson, S. C.
Johnson, S. E.
Johnson, Mrs. S. E.
Johnson, T.
Johnson, T. G.
Johnson, T. H.
Johnson, Miss V. A.
Johnson, Mrs. V. C.
Johnson, W. E.
Johnson, W. F.
Johnson, Miss G. K.
Jondahl, R. A.

Jones, B.
Jones, E. A.
Jones, Mrs. E. B.
Jones, G. R.
Jones, Mrs. J. D.
Jones, L. D.
Jones, Miss M. A.
Jones, M. E.
Jonson, K. I., Sr.
Jordan, Miss J. E.
Jordan, T. N., Jr.
Jorgensen, D. R.
Josephs, C. E.
Joyce, Miss M.
Judd, Mrs. L.
Juergens, H. M.
Juergens, M. F.
Juhnke, M. F.
Julian, Miss F. J.
Juneau, Mrs. H. B.
Juran, J. M.
Jurgensen, D. F.
Just, H. J.
Juster, I.
Justesen, J. H.
Juul, H. R.

K

Kafkas, Miss F. A.
Kahlert, G. D.
Kaiser, H. B.
Kaib, H. E.
Kale, Mrs. R. A.
Kaliber, E. L.
Kalina, R. E.
Kalinka, H. S.
Kalino, V. D.
Kaltor, R. R.
Kane, Mrs. E. M.
Kantler, Miss J.
Kantor, E. K.
Kaplan, A. P.
Kaplan, Mrs. E. K.
Kaplan, E. R.
Kaplan, H. A.
Kaplan, M. B.
Kappel, F. R.
Kardong, Miss S. A.
Kari, R. D.
Karlien, C. L.
Karlen, Mrs. M.
Karlins, W. H.
Karon, Mrs. M.
Karon, M.
Karpenko, R. E.
Karrow, John W.
Kato, H.
Katz, E. A.
Kaufert, F. H.
Kaulens, Miss B.
Kearney, Miss D. E.
Keating, J. J.
Keating, S. F.
Kebck, V. W.
Keck, V. W.
Keefe, D. R.
Keefe, Mrs. I. F.
Keith, Mrs. L. B.
Kell, Miss N. C.
Keller, C. H.
Keller, R. J.
Kelley, E. C.
Kelley, R. G.
Kelley, W. S.
Kelley, Mrs. W. S.
Kelly, C. S.
Kelly, F. S.
Kelly, J. F.
Kelly, Miss N. L.
Kelm, E. E.
Kelman, H.
Kelsey, C. M.
Kelson, R. E.
Kemner, S. J.
Kempainen, A. O.
Kendall, H. F.
Kendall, W. E.
Kenefick, T. P.
Kennedy, Miss F.
Kennedy, Miss M. L.
Kennedy, W. H.
Kerridge, G. R.
Kester, Miss K.
Kesting, H.
Ketola, C. D.
Ketolo, J. L.
Kettleson, D.
Keyes, J. D.
Keyes, Mrs. J. D.
Keymes, D. A.
Khasenye, J. R.
Kidd, Miss F. M.
Kidder, P. L.
Kief, P. A.
Kieren, Mrs. E. R.
Kierland, R. R.
Kietz, F. W.
Kihlstrom, L. W.
Kiklas, T. A.
Kimmerle, Miss K.
Kimura, S. I.

Kind, G. R.
Kinde, Mrs. D. R.
Kindwall, J. A.
King, D. L.
King, J. B.
King, Miss J. E.
King, S.
King, Mrs. W. O.
King, A., Jr.
King, F. E., Jr.
Kingston, G. W.
Kingston, T. G.
Kinsell, W. L.
Kinzey, W. G.
Kipp, Mrs. H. G.
Kirkpatrick, W. A.
Kirkwood, Miss M. J.
Kirshbaum, M. I.
Kissock, Mrs. G.
Kitts, R. H.
Klapperich, Miss E. M.
Klass, Mrs. F.
Klass, F.
Klassen, R. P.
Klecatsky, J. S.
Kjeimola, E. J.
Klein, J. J.
Kleinman, H. F.
Klemme, Mrs. G. H.
Klick, F. J.
Knapp, Mrs. L. H.
Knapp, L. H.
Knight, Mrs. H. S.
Knight, R. M.
Knudsen, H. D.
Knutson, Miss M. T.
Knutson, O. R.
Koch, N. T.
Koch, P. W.
Koehler, F.
Koelln, T. R.
Koelln, Mrs. T. R.
Koenig, Miss E. V.
Koenig, J. F.
Koff, S.
Kohl, E. J.
Kohler, Miss H. R.
Kohler, M. H.
Kohlhase, R. E.
Kohlman, R. T.
Kokotovich, E.
Kolander, J.
Kolesar, J. C.
Kolling, Mrs. E. M.
Kometani, J. T.
Konig, T. J.
Koop, S. E.
Koplin, A. N.
Kops, Miss A. S.
Korblick, Miss S. M.
Kord, Miss E. M.
Korfhage, G. R.
Korgen, B.
Kortsta, Miss F.
Korslund, H. J.
Korstad, L. H.
Kortie, D. J.
Kosen, D.
Koshi, J. H.
Koski, Miss D. D.
Koski, S. R.
Kostick, R. J.
Kotiba, E. W.
Kottke, F.
Kowalenko, A. I.
Kowski, A.
Krabenhoff, Miss S. W.
Kraft, W. E.
Kratz, J. E.
Krause, D. E.
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Krech, Mrs. E. W.
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Kreidberg, I. B.
Kreidberg, Miss I. D.
Krenz, Miss L.
Kress, W. D.
Kretschmar, W. E.
Krisch, C. J.
Kristensen, B. L.
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Kroll, R. G.
Kronick, B. D.
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Kruger, Miss P. L.
Kruse, H. R.
Krussov, Miss A. W.
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Kuehn, K. K.
Kuhfeld, A. M.
Kuhlman, H. J.
Kuhlmann, R.
Kuhn, R. C.
Kuhrt, W. J.
Kullberg, R. P.
Kulp, B. A.
Kunde, Miss D. B.
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Kunkel, P. W.
Kunz, R. J.

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Larson, S. S.
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Lavo, D. H.
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Lazar, R. M.
Lazar, R. M.
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Lee, Miss D. D.
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Lenton, H. P.
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Leonard, H. J.
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Lerman, C. J.
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Leverentz, Miss E. A.
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Levsen, D.
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Lewis, R.
Lewis, W. P.
Libby, J. A.
Lichthardt, Mrs. A. H.
Lieberman, D. J.
Lieberman, H. N.
Lieberman, J. A.
Liedloff, A. G.
Lien, Miss D. M.
Lien, M.
Lienemann, J. A.
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Lietzke, E. T.
Light, R. F.
Lighter, W. C.
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Lillehei, R. C.
Lillejord, P. A.
Lilly, T. E.
Linck, A.
Lincls, Mrs. A. J.
Lind, J. D.
Lindall, D. R.
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Lindgren, B.
Lindgren, Mrs. B.
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Lindquist, L. E.
Lindsay, D. T.
Lindsey, S. B.
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Litin, A. A.
Litman, N. N.
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Litzenberg, Mrs. J. C.
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Liukkonen, R. O.
Livens, C. H.
Livermore, C. R.
Livermore, G. R.
Lochner, E. H.
Lockman, R. F.
Loevinger, L.
Logan, Miss D.
Logan, S. E.
Logsdon, C. E.
Lommen, M. L.
Long, D. F.
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Long, P. L.
Longabaugh, Miss M. A.
Loomis, G. L.
Lopezek, Miss D. M.
Lorance, Mrs. P. R.
Lorber, V.
Lou, C. B.
Loughrea, Miss M.
Love, C. L.
Loving, H. D.
Lowe, Mrs. F. M.
Lowe, T. A.
Lowrey, Mrs. E. C.
Lowry, Miss B. C.
Lowry, Mrs. G. M.
Lowry, Mrs. P. T.
Loye, D. P.
Lucas, D. E.
Lucas, T. D.
Luce, A. W.
Lucier, D. D.
Lucking, D. L.

Ludescher, K. F.
Ludvigsen, E. L.
Ludwig, J. T.
Luedeking, R.
Lundholm, R. G.
Lund, C. J.
Lund, D. A.
Lund, F. L.
Lund, J.
Lund, J. B.
Lund, J. E.
Lund, R. E.
Lundberg, Miss B. V.
Lundberg, C. A.
Lundeberg, K. R.
Lundeen, L. A.
Lunder, Miss H. M.
Lundgren, S. F.
Lundin, Mrs. C. D.
Lundquist, C. W.
Lundquist, J. A.
Lundquist, J. M.
Lundquist, J. T.
Lundquist, V. J.
Lundquist, W. G.
Lundsten, Mrs. R. B.
Lungstrum, Miss G. E.
Lussier, N. A.
Lutey, R.
Lutz, R. E.
Luwe, Mrs. W. R.
Lyberg, V. C.
Lyday, R. O.
Lye, R. G.
Lyman, Mrs. F. C.
Lyman, Mrs. T. W.
Lynch, F. W.
Lynch, P. J.
Lynner, J.
Lyons, E. J.
Lyons, R. T.
Lysne, H.
M
Maatta, Mrs. V. E.
Mabbott, L. E.
MacArthur, J. D.
Macaulay, W. L.
Macdonald, J. H.
Macer, Mrs. D. J.
Macgregor, C.
Macgregor, Mrs. D. L.
Machado, Miss J. A.
Mack, R. F.
Mack, R. J.
Mackall, H. C.
Mackin, D.
Mackinnon, D. C.
Mackner, M. J.
Macleman, D. K.
Macmillan, D. G.
Macrae, Miss G.
Madden, R. A., Jr.
Madenberg, F.
Madison, Miss B. I.
Madsen, Mrs. G. W.
Madura, J. P.
Maeder, E. C.
Magee, T. M.
Magnuson, M. C.
Magnuson, R. B.
Magraw, Mrs. E. M.
Magraw, J. E.
Magraw, R. M.
Maher, Miss L. M.
Mair, D. D.
Maitland, E. T.
Maki, R. A.
Maki, W. R.
Maland, O.
Malchow, D. B.
Malcolm, Miss M. E.
Malecka, G. L.
Malerich, J. A., Jr.
Mallinger, Mrs. M.
Malmquist, R. C.
Malmsten, Miss C. C.
Maloney, Miss E. M.
Manahan, W. L.
Manderfeld, E. C.
Manderle, G. D.
Mandeville, G. D.
Mann, J. D.
Manning, Mrs. G. M.
Mantyla, A. E.
Marble, Mrs. M. D.
Marcotte, W. A.
Marcus, J. D.
Marder, B.
Marfield, S. S.
Mariucci, J. P.
Marks, Mrs. F.
Markus, B.
Maronde, Mrs. C.
Marpe, F. W.
Marshall, D. B.
Marshall, Mrs. F.
Marshall, Miss J. C.
Martens, R. A.
Martin, E. L.
Martin, F. W.
Martin, R. C.

Martin, Miss S. C.
Martineau, E. T.
Marx, Miss M. C.
Maser, G. F.
Masica, P. V.
Masler, D. S.
Mason, Miss C. J.
Massmann, S. H.
Mastbaum, L. I.
Masters, E. J.
Mathisen, L. M.
Matson, Mrs. L. E.
Matsuyama, S.
Matta, L. D.
Matthews, G. E.
Mattinen, D. R.
Mattison, Mrs. J. N.
Mattison, V. S.
Mattson, A. D.
Mattson, R. W.
Mattsson, D. M.
Matz, M. H.
Mauder, E. R.
Mauder, J. B.
Maxin, P.
Maxwell, R. C.
May, H.
Mayberg, D. M.
Mayberry, Mrs. H. C.
Mayer, C. P.
Mayer, F. W.
Mayer, P. A.
Mayer, P. D.
Mayer, W. J.
Mayerle, L. C.
Mayo, H. H.
McBride, A. A.
McCabe, Miss M. L.
McCauley, J. F., Jr.
McCallum, J. S.
McCamus, R. R.
McCart, Miss P.
McCarthy, A. M.
McCarthy, D.
McCarthy, J.
McCarthy, R.
McCarty, V. M.
McClearn, Mrs. H. J.
McCollom, J. S.
McConville, C. A.
McCormick, F. C.
McCormick, F. G.
McCormick, Miss P. M.
McCoy, V. E.
McDermid, A. J.
McDonald, Mrs. G. K.
McDonald, M. C.
McDonough, J. W.
McDowell, L. L.
McElmury, Miss M. E.
McGenty, Mrs. L. M.
McGinnis, Miss E.
McGinty, M. O.
McGladrey, L. L.
McGraw, Mrs. D. G.
McGreane, F.
McGreane, F. X.
McGrew, Miss E. A.
McGuire, W. M.
McHugh, A. E.
McInnis, J. W.
McIntosh, Mrs. L. B.
McIver, Miss P. L.
McKay, E. D.
McKean, F. F.
McKee, R. C.
McKenzie, Mrs. R. R.
McKibben, Mrs. M. V.
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McLeod, T. D.
McMahan, R. O.
McMillan, Mrs. C.
McMillen, G. C.
McNair, H., Jr.
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McNally, M. H.
McNeil, Mrs. O. N.
McNelly, F. W.
McNulty, J. P.
McPheeters, Mrs. G. M.
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Melamed, R. L.
Melander, L. W.
Melander, Mrs. L. W.
Melchior, D. E.
Melin, H. R.
Melin, J. A.
Meltzer, Mrs. J.
Mendzzi, Mrs. W. M.
Meppen, A. D.
Merkel, G. G.
Merrill, G. S.
Merriitt, A. W.
Merriitt, T. W.
Mertes, J. A.
Mesedahl, L. K.

Messick, J. R.
Metcalfe, H. C.
Metzner, K. W.
Meurer, G. P.
Meuwissen, L. T.
Meyer, B. R.
Meyer, D. A.
Meyer, J. G.
Meyer, L. C.
Meyer, R. F.
Meyer, R. P.
Meyer, Mrs. T. M.
Meyer, W. G.
Michaelson, Miss M. L.
Michel, H. H.
Mick, K. L.
Mickelsen, R. A.
Mickelson, J. C.
Middlebrook, W. T.
Midtlyng, J. W.
Mikkali, J. E.
Miles, H. L.
Miller, A. R.
Miller, D. W.
Miller, H. A.
Miller, Miss K. M.
Miller, N. C.
Miller, R. P.
Millham, T. E.
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Milsted, Mrs. W. H.
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Miner, A. E.
Miner, E. R.
Miners, G.
Mink, W. D.
Minnick, Miss C. E.
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Miska, T. M.
Miskowicz, J. W.
Mitchell, W. J.
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Modell, J. H.
Moe, M. S.
Moe, P. G.
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Mohlke, G. C., Jr.
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Molitor, M. V.
Molstad, A. G.
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Monahan, Mrs. R. H.
Monahan, J. A.
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Monnahan, J. R.
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Monson, R. L.
Montgomery, Mrs. R.
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Mooney, Miss M. C.
Moor, H. W.
Moore, D. S.
Moore, E. B., Jr.
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Moore, F. F.
Moore, G. B.
Moore, Mrs. J. D.
Moore, Mrs. J. L.
Moore, Miss M. E.
Moore, Mrs. M. H.
Moore, M. M., Jr.
Moore, T. O.
Moorhead, Miss G. L.
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Moorman, A. J., Jr.
Moose, V. C., Jr.
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Moran, L. J.
Morgan, R. E.
Mork, B. O.
Morrill, Mrs. H. H.
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Morris, V. N.
Morris, Mrs. A. S., Jr.
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Morrison, W. F.
Morrow, K. S.
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Morse, M.
Mortenson, R. L.
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Mueller, G. G.
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Mueller, M. O.
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Myers, J. H.
Myers, L. T.
Myers, W.
Myers, Mrs. W.
Myhre, D. R.
Mykleburt, R. D.

N

Nadeau, G. H.
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Nash, G. J.
Nash, L. A.
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Nathanson, H.
Nathanson, I. R.
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Neily, J. E.
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Nelson, Miss C. G.
Nelson, C. H.
Nelson, C. R.
Nelson, Miss D. E.
Nelson, D. G.
Nelson, D. J.
Nelson, E. L., Jr.
Nelson, Miss E. V.
Nelson, F. L.
Nelson, G. G.
Nelson, G. W.
Nelson, H. D.
Nelson, H. S.
Nelson, J. M.
Nelson, J. R.
Nelson, L. F.
Nelson, L. M.
Nelson, Miss M. E.
Nelson, M. L.
Nelson, Miss P. L.
Nelson, R. A.
Nelson, R. D.
Nelson, R. H.
Nelson, R. P.
Nelson, Mrs. R. T.
Nelson, Mrs. S. Y.
Nelson, W. H.
Nelson, W. I.
Nelson, H. L.
Nemanich, G. J.
Nerad, A. H.
Nerhus, Mrs. P. T.
Nesbitt, Mrs. R. J.
Ness, D. E.
Nestler, Mrs. C. W.
Neth, D. G.
Netz, C. V.
Neuenschwande, H. L.
Neumann, R. G.
Neumeier, K. G.
Neville, P. J.
Newell, C. E.
Nibbe, W. G.
Niccum, D. E.
Nicholas, S. S.
Nicholson, Mrs. W.

Nickell, G. R.
Nicol, R. G.
Nielsen, Miss M. A.
Nieman, G. W.
Niemann, Mrs. J. L.
Niemann, J. L.
Niemeier, Miss G.
Niemi, Miss L. M.
Nier, A. O.
Niles, R. B.
Nilson, Mrs. C. N.
Nilva, A. I.
Nimmer, W. B.
Nishida, G.
Nobbelin, K. G.
Nolte, Mrs. C. P.
Nolte, R. H.
Nolte, Mrs. R. H.
Noran, S. F.
Nordale, D. E.
Nordblom, Mrs. D.
Nordby, K. L.
Nordby, R. E.
Nordeen, Miss A. B.
Nordin, Mrs. V. S.
Nordland, M. A., Jr.
Nordstrom, A. L.
Nordstrom, J. D.
Norgorden, Mrs. O.
Norlander, H. O.
Northey, E. H.
Norton, V. E.
Novick, R.
Nutter, Mrs. J. M.
Nutzman, T. M.
Nyquist, R. A.

O

O'Gordon, C.
O'Hearn, T. L.
Oare, Miss M. T.
Ober, P.
Ober, Miss M. F.
O'Brien, F. J.
O'Brien, J. D., Jr.
O'Brien, L. T.
O'Brien, Mrs. L. T.
O'Brien, P. E.
Ochs, Miss M. F.
Ochsner, J. A.
Ochsner, T. G.
O'Connell, Miss J. M.
Odell, A. G.
Odesky, L.
Odson, U.
Oeljen, S. C. G.
O'Hearn, Mrs. T. L.
Ohlson, R. G.
Okie, Mrs. R. B.
Olberding, Mrs. C.
Oleson, S. M.
Olle, Miss J. G.
Ollila, L. O.
Oloughlin, P. J.
Olsen, G. M.
Olseth, D. R.
Olson, A. C.
Olson, A. J.
Olson, Miss B. A.
Olson, Mrs. C. O.
Olson, G. E.
Olson, Mrs. E. D.
Olson, G. E.
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Olson, H. A.
Olson, H. D.
Olson, Mrs. J. I.
Olson, L. A.
Olson, Miss L. H.
Olson, L. M.
Olson, R. C.
Olson, R. C.
Olson, R. E.
Olson, R. T.
Olson, W. C.
Olson, W. W.
O'Malley, Mrs. V.
Oman, C. R.
Oman, F.
Oman, R.
Omland, L. E.
Omura, S. J.
Opheim, Miss L. R.
Opitz, E. H.
Oppegard, Mrs. A. S.
Oppegard, J.
Oppen, E. G.
Oppen, M. G.
Opsahl, Mrs. J. M.
Opsahl, Miss R. E.
Orenstein, M.
Orfield, L. S.
Orgrins, Miss I.
Orr, G. M.
Osborne, Mrs. W.
Oscid, B.
Oss, A. C.
Osteraas, G. R.
Osterberg, K. A.
Osterhus, Mrs. J. L.
Osterhus, J. L.
Ostrand, G. G.
Ostrov, C. S.
Osuni, P. S.

Oszman, Miss J. A.
Ota, H.
Otter, T. A.
Otis, C. K.
Ottley, T. H.
Ouellette, Miss E. M.
Ould, Mrs. C. L.
Overgard, C. A.
Overholser, L. G.
Overland, G. M.
Owens, C. G.

P

Page, R. L.
Page, Miss R. M.
Pagenhart, Miss N.
Painter, C. W.
Painter, J. V.
Pakalns, A.
Palda, C. H.
Pallister, Miss J. L.
Palm, N.
Palm, Miss S. J.
Palmberg, B. C.
Palmer, J. M.
Palmer, Miss M. F.
Palmer, Miss P. J.
Palmer, Miss R. A.
Palmerton, E. S.
Parker, R.
Park, L. C.
Parker, A. M.
Parker, Miss M. E.
Parker, Mrs. R. R.
Parker, W. E.
Parkhill, Miss E. M.
Parmeter, W. R.
Parson, C. A.
Parsons, Mrs. C. A.
Partridge, C. A.
Partridge, Miss J. R.
Paschke, B. M.
Pasczyk, R. D.
Paske, C. H.
Pass, F.
Pass, S. D.
Patami, Miss E.
Patch, Miss C. M.
Patterson, C. A.
Patterson, H. D.
Patterson, P. G.
Pattison, Mrs. W. T.
Paul, Mrs. J. R.
Paulsen, T. S.
Paulson, H. T.
Paulson, L. B.
Pavola, Miss E. E.
Pearce, J. H.
Pearman, Mrs. C. R.
Pearson, D. V.
Pearson, H. A.
Pearson, L. E.
Pearson, N. P.
Pearson, R. A.
Peaslee, V. F.
Peck, V. A.
Pederson, H. C.
Pederson, Miss M. E.
Pederson, M. L.
Pederson, Mrs. T. O.
Pegelow, C. H.
Peik, Miss B. F.
Pekarna, D. D.
Pelletier, R. W.
Pendergast, W. G.
Pengilly, J. H.
Pennock, Mrs. E. M.
PepeInjak, S.
Pepper, W. F.
Perkins, A. G.
Perkins, J. E.
Perley, Miss H. L.
Perrault, W. J.
Perry, Mrs. S. L.
Perry, F. W.
Perry, G. W.
Perske, R. A.
Peschken, H. P.
Pesch, C. P.
Pesek, T. H.
Pesonen, R. E.
Peteler, Mrs. R. O.
Peterson, H. D.
Peterson, H. E.
Peterson, J. E.
Peterson, G. W.
Peterson, L. G.
Peterson, R. M.
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Peterson, D.
Peterson, D. W.
Peterson, E. A.
Peterson, Miss E. A.
Peterson, F. B.
Peterson, J. D.
Peterson, J. R.
Peterson, Mrs. J. W.
Peterson, Mrs. K.
Peterson, Mrs. K. M.
Peterson, L. J.
Peterson, L. R.

Peterson, Miss M. A.
Peterson, Miss M. G.
Peterson, Miss M. J.
Peterson, P. I.
Peterson, R.
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Peterson, R. S.
Peterson, Miss S. L.
Peterson, S. W.
Peterson, T. D.
Peterson, W.
Peterson, W. A.
Peterson, W. H.
Peterson, W. N.
Peterson, E. C., Jr.
Petit, J. V.
Petraborg, H. T.
Petranek, E.
Petroske, J. E.
Petter, C. K.
Pettyjohn, Mrs. K. E.
Pettula, Miss S. E.
Peycke, T. J.
Pfau, Mrs. E.
Phelps, Miss E. M.
Phelps, T. W.
Phibbs, C. M.
Phillips, D. W.
Phillips, F.
Phillips, J.
Phillips, J. R.
Piccard, Mrs. J.
Pickman, P.
Pierce, G. D.
Pierce, P. F.
Pierce, R. L.
Piercy, C. T.
Pihlstrom, Miss E. E.
Pike, Mrs. G. W.
Pikul, R. P.
Pillen, Miss D. E.
Pillsbury, J. S.
Pink, D.
Pinska, L. F.
Piper, H. C.
Piper, Mrs. M. G.
Piper, R. A.
Pitzl, G. R.
Plamer, J. M.
Plant, E. K.
Platzer, H. J.
Plenne, Mrs. E. B.
Plimpton, W. L.
Plunkett, R.
Pobor, P. H.
Polzin, C. V.
Pond, F. R.
Pope, C. E.
Popkin, R. J.
Popovich, P. S.
Porter, Mrs. C. E.
Porter, E. T.
Porter, Miss M. E.
Posnick, I. H.
Pothoff, Mrs. W. F.
Powell, D. A.
Powell, F.
Powell, Miss J. E.
Powell, L. B.
Powers, Miss M. K.
Pratt, D. C. G.
Pratt, D. C.
Pratt, G. D.
Pratt, H. L.
Pratt, S. C.
Pratt, T. F.
Prenevost, Miss M. K.
Pressman, H. A.
Prestegaard, Mrs. P. G.
Preston, F. S.
Pribyl, Mrs. A. B.
Price, Miss B. R.
Pries, F. H.
Priest, Mrs. R. E.
Priest, R. E.
Priest, R. G., Jr.
Pringle, J. A.
Proffitt, W. E.
Proske, Miss M. G.
Pukard, C. P.
Pukema, H. E.
Pulkrabek, G. F.
Purdy, C. E., Jr.
Pusin, H.
Putnam, G. W.
Putnam, H. O.
Putz, R. E.
Puumala, M. K.

Q

Quanrud, R. B.
Quigley, R. D.
Quinn, W. J., Jr.
Quirk, F. A.
Quist, H. W., Jr.

R

Rachie, W. C.

Radermacher, Mrs. W. H.
Radtke, Miss L. M.
Ragon, Miss J. F.
Raihill, J.
Raine, Mrs. A. H.
Rajala, A. I.
Rallen, Miss M.
Ramlow, R. M.
Ramseyer, Mrs. G. I.
Ramstad, D. D.
Ramstad, P. J.
Randall, Miss C. A.
Randell, Mrs. G. R.
Ranheim, P.
Ranning, F. C.
Ransom, H. R.
Ransom, R. W.
Ranstad, H.
Ranta, E. E.
Rao, M. M.
Rasen, F. W.
Rasmussen, D. A.
Rasmussen, W. C.
Rasmussen, F. R., Jr.
Rasmussen, R. P., Jr.
Ratelle, A. E.
Rathbun, R. B.
Rathburn, R. C.
Rathmann, H. W.
Ratiff, Miss M. S.
Rau, W. M.
Rausch, Miss V.
Ray, J. H.
Raynolds, Mrs. T. M.
Rea, C. E.
Read, R. L.
Reagan, Miss P. M.
Redlund, C. W.
Reed, F. C.
Reed, G. A.
Reed, S. C.
Reed, W. C.
Reese, H. L.
Refsland, Mrs. J. C.
Regan, J. J.
Reichelt, L. G.
Reichert, J. A.
Reid, R. U.
Reides, Miss C.
Reierson, Mrs. C. N.
Reif, C. B.
Reif, R. W.
Reim, Miss S. J.
Reim, Mrs. V. P.
Reim, V. P.
Rein, G. M.
Reite, D. E.
Rekedal, Mrs. R.
Reller, G.
Remington, Mrs. W. S.
Reynolds, G. C.
Reynolds, G. W.
Reynolds, Mrs. R. R.
Rhoads, R. E.
Rhodes, C. E.
Rice, A. H.
Rich, Miss N. M.
Richards, Miss K. A.
Richards, Mrs. O. J.
Richardson, Mrs. H.
Richardson, R. A.
Richardson, R. H.
Richardson, S. C.
Richardson, R. J.
Richardson, R. J.
Richert, W. G.
Richie, Mrs. J.
Ridder, Mrs. R. B.
Riebe, Mrs. G. C.
Riedler, A. D.
Riegel, F. B.
Rieke, L. L.
Rifa, R. L.
Riff, Mrs. D. M.
Ripler, L. G.
Riker, Mrs. A. R.
Ring, Mrs. E. D.
Ringo, C. J.
Ringo, Mrs. G. R.
Ringold, S. L.
Rinke, E.
Risch, Miss C. A.
Riskey, M. I.
Risser, A. F.
Ritchel, R. F.
Ritchie, W. P.
Rivkin, L. S.
Rizer, Mrs. R. I.
Robb, J. D.
Robbins, J. D.
Robbins, D. F.
Roberts, H. A.
Roberts, L. J.
Roberts, L. P.
Roberts, P. G.
Roberts, T. B.
Robertson, A. J.
Robertson, L. S.
Robertson, M. G.
Robinson, C. D.
Robinson, Miss D.
Robinson, D. N.
Robinson, H. K.
Robinson, W. C.
Roca, Miss I. E.
Rochau, Mrs. C. O.
Rodberg, Miss M.
Roddis, L. H.
Roepke, C. W.
Roff, Mrs. M. F.
Rog, C. S.
Rogers, Mrs. A.
Rogers, Mrs. A. M.
Rogers, J.
Rogers, M. C.
Rogers, R. G.
Rogers, S. H.
Rogers, R. W., Jr.
Rohner, R. G.
Rolf, S. L.
Rollo, L. E.
Rollins, P.
Rollins, Miss R. E.
Rollins, T. G.
Rondestvedt, C. S.
Rondestvedt, Mrs. C. S.
Ronningen, H. A.
Ronningen, R. O.
Roed, R. A.
Root, Miss J. A.
Rosa, Mrs. I. E.
Rose, B.
Rose, Miss F. J.
Rose, T. J.
Rosell, C. J.
Rosen, H. E.
Rosen, M. M.
Rosenau, J. H.
Rosenblatt, H. L.
Rosenfield, A. B.
Rosenholtz, M. J.
Rosenstein, H. J.
Rosenwald, R. M.
Ross, Mrs. H. A.
Ross, J. E.
Ross, Mrs. J. R.
Ross, Mrs. R. S.
Rossing, D. E.
Rost, M. C.
Rostomily, C. R.
Roth, Miss B. I.
Roth, T. J.
Rothemund, Mrs. G. S.
Rothenburg, Miss N.
Rothman, E.
Rottenberg, E. N.
Rottschaefer, W. F.
Rous, S. N.
Rowell, T. H.
Roy, Mrs. C. L.
Ruben, E. R.
Ruch, Mrs. D. M.
Rudie, P. S.
Rudie, W. D.
Rudin, R. L.
Rufe, R. H.
Rukavina, E. M.
Rulon, P. J.
Rundquist, E. A.
Runquist, J. B.
Ruona, R. C.
Russell, G.
Russell, Miss J. A.
Russell, W. W.
Rusten, Mrs. E. M.
Rustin, R. A.
Ruth, B. R.
Rutledge, L. H.
Rutman, H. S.
Ruud, M.
Ryans, D. G.
Rydburg, W. C.
Rygen, G. O.
Ryerse, D. D.
Rygh, P. J.
Rylander, C. V.
Ryman, M. W.
Rypins, R. F.
Ryss, C. A.
Rystrom, J. K.
S
Saari, H. H.
Sachs, L.
Sachs, R. F.
Sadoff, C. N.
Sadoff, Mrs. M.
Saffert, C. A.
Sagmoen, W. W.
Sailstad, R. J.
Sakamoto, E. H.
Sakalburg, Miss G. A.
Salita, W. J.
Salmela, M. R.
Salmena, T. M.
Salovich, E. R.
Salzer, Miss F.
Samerfeld, H. W.
Sampson, C. L.
Sampson, W. F.
Sandberg, J. D.
Sandberg, R. Y.
Sande, J. P.
Sanders, L. L.
Sanders, P. D.
Sanders, Mrs. P. D.
Sanders, W. E.
Sanderson, D. J.
Sandler, B.
Sandmann, L. H.
Sandoz, Mrs. F. R.
Sands, A. W.
Sanford, J. B.
Sansby, J. D.
Sansby, J. M.
Santelman, L. F.
Saratwichter, P.
Sather, A. N.
Sauer, L. J.
Sawyer, B. R.
Sawyer, P. J.
Saxe, T. E., Jr.
Scanlan, J. E.
Scanlan, W. J.
Scanlon, G. W.
Schafran, G.
Schaleben, A.
Schapiro, N.
Schasker, P. W.
Schaum, Mrs. C. O.
Scheffens, E. J.
Scheffers, M.
Scheibel, R. L.
Schellenberger, Miss J. E.
Scheller, G. F.
Scherer, F. A.
Scheurman, Miss D. S.
Schickling, P. G.
Schuesser, C. W.
Schiffers, A. M.
Schiller, H. G.
Schirmer, W. H.
Schlegel, Miss V. E.
Schleifer, H. W.
Schleselman, E. A.
Schlingerman, R. P.
Schlorf, R. A.
Schlossman, J. I.
Schlotthauer, J. C.
Schmidt, G. H.
Schmidt, Mrs. M. E.
Schmidt, M. E.
Schmidt, Mrs. S. M.
Schmitz, A. A.
Schmitz, S. E.
Schoch, Mrs. P.
Schoenke, R. E.
Scholucha, Miss M.
Schow, Miss M. I.
Schraan, F. C.
Schraeder, W. H.
Schreffler, Miss M. C.
Schroeder, J. P.
Schubert, Miss F. M.
Schuette, D. R.
Schultz, E. A.
Schultz, P. J.
Schultz, R. L.
Schulz, E. H.
Schumacher, J. W.
Schut, L. J.
Schwarten, J. F.
Schwartz, Miss B. F.
Schwartz, E. R.
Schwartz, J. G.
Schwartz, R.
Schwawski, R. F.
Schwegel, Miss M.
Schweichard, P.
Scott, G. C.
Scott, J. C.
Scott, Miss J. H.
Scott, R. W.
Scott, W. C.
Scribner, Mrs. H. M., Jr.
Scroggins, M. E., Sr.
Searle, Miss C. J.
Searles, H. R.
Sears, Mrs. H. F.
Seashore, G. H.
Seder, E. J.
Sederberg, Miss K. M.
Sedgwick, M. A.
Sedlund, F. R.
Seeler, G. C.
Seeler, Mrs. G. C.
Seemann, J. W.
Sefer, Mrs. N. R.
Sefer, N. R.
Segal, M. S.
Segal, S. J.
Seidenstein, H. R.
Seim, H. C.
Selvig, Miss H. M.
Semple, P. T.
Senev, M. V.
Sertin, Miss L. A.
Serrero, M. M.
Sether, R. G.
Setzer, H. J.
Severance, M. L.
Seyern, Miss K. J.
Severson, A. M.
Severson, R. W.
Sexton, J. R.
Shafer, L. E.
Shane, J. P.
Shanmugam, N.
Shannon, Miss N.
Shapiro, M. J.
Shaw, H. W.
Shaw, P.
Shawhan, Mrs. E. N.
Shea, Mrs. A. B.
Sheeran, Mrs. M. E.
Sheelar, J. O.
Sheild, R. M.
Sheinkopf, J. A.
Sheldon, C. S.
Shellenberg, H. R.
Shelso, Mrs. H.
Shemesh, A.
Shen, Y. T.
Shepard, Miss A. C.
Shepard, H. B.
Shepardson, Miss M. K.
Shepherd, Mrs. W. G.
Shepley, W. G.
Sheply, L. C.
Sher, M. J.
Sherr, L.
Sherr, A. L.
Sherva, D. G.
Sherwood, R. C.
Shewfelt, Mrs. A. W.
Shibata, H. H.
Stickell, Mrs. J.
Shields, Miss S. O.
Shively, Miss D. O.
Shively, Miss V. E.
Shlionsky, Mrs. H.
Shogren, J. D.
Shoners, Miss R. E.
Shosten, J. W.
Shragg, R. I.
Sibley, M. Q.
Siddique, I. H.
Sidley, M.
Sidley, N. T.
Siebert, R. W.
Sifferle, J. L.
Silver, M. W.
Sim, J.
Simmons, Miss D.
Simmons, Mrs. D. B.
Simon, K. D.
Simonson, Miss E.
Sims, H. K.
Singleton, Miss A. M.
Sinner, G. T.
Sioveland, I. E., Jr.
Sirr, F. A.
Sisson, N. D.
Sivanich, G.
Sivanich, Mrs. G.
Siverhus, W. J.
Sjoding, J. D.
Sjostrom, L. E.
Skadulis, A.
Skaff, G.
Skagerberg, W. E.
Skalbeck, Miss G. A.
Skanse, C. T.
Skare, R. M.
Skelton, Miss B.
Skibness, Miss E. J.
Skjold, A. C.
Skoot, T. P.
Skutans, Miss M.
Slater, L. H.
Slocum, Miss H. M.
Small, L. D.
Smersh, J. F., Jr.
Smid, Miss M. J.
Smilow, L.
Smisek, E. A.
Smith, B. D.
Smith, B. E.
Smith, C. W.
Smith, D. E.
Smith, D. E.
Smith, Miss D. V.
Smith, Miss F. C.
Smith, Miss G. M.
Smith, G. W.
Smith, Miss J. A.
Smith, J. C.
Smith, J. R.
Smith, Miss K.
Smith, K. H.
Smith, Miss K. L.
Smith, L. A.
Smith, Miss M.
Smith, Mrs. M.
Smith, M.
Smith, Mrs. M. I.
Smith, R. C.
Smith, R. E.
Smith, Miss S. M.
Smith, Miss S. M.
Smith, V. O.
Smith, W. K.
Smith, R. L., Jr.
Sneller, C. D.
Snesrud, R. H.
Snow, Mrs. J.
Snowberg, Mrs. C. R.
Snyder, C. F.
Snyder, D. R.
Snyder, Miss E. M.
Soderholm, Miss F. A.
Sogard, J. M.
Sognesand, G. K.
Soine, T. S.
Solberg, Mrs. D.
Solberg, Miss J. E.
Soliman, A.
Soll, Mrs. A.
Solomon, R. B.
Solomon, Mrs. R. B.
Soltau, J. R.
Sommer, C. C.
Sommer, H. N., Jr.
Somstegard, R. L.
Sontag, H. H.
Sorensen, Mrs. E. C.
Sorensen, R. D.
Sorensen, Mrs. J.
Sorensen, R. L.
Sorkness, J.
Sornson, Miss H. H.
Sorokvasha, D.
Sorum, E. B.
Sower, B. M.
Spadaccini, V.
Spaeth, T. D.
Spalding, V. B.
Spanuth, J. R.
Spawn, L. E.
Specht, T.
Spensley, J. R.
Spielberg, S.
Spink, Miss K. L.
Spivak, W. A.
Spittstoesser, W. E.
Spannberg, E. C.
Sponner, Mrs. M. E.
Sprague, R. G.
Sprague, T. M.
Spriggs, W. J.
Spring, Mrs. E. W.
Sraga, J. J.
Staber, Mrs. M. M.
Stackelberg, O. P.
Stacy, E. P.
Stakman, E. C.
Staley, Mrs. K. M.
Stallman, R. J.
Stanis, G.
Stanley, A. L.
Stanton, F. D.
Stark, Mrs. C. A.
Stark, C. A.
Stark, Mrs. T.
Starkey, Miss K. E.
Starkey, T. A.
Starr, Miss H. M.
Stasik, Mrs. E. A.
Stassen, H. E.
Stassen, H. E.
State, D.
Steadland, M. T.
Stebbing, Mrs. R. F.
Stebbins, T. L.
Stebbins, W. N.
Stedman, D. P.
Stedman, Miss R. E.
Steen, M. C.
Steffles, J. A.
Stegeman, Mrs. A. E.
Steichen, M. H.
Steiger, E. E.
Stein, L. W.
Stelling, C. W.
Stelter, L. A.
Stenger, V. A.
Stenger, Mrs. V. A.
Stensrud, Miss K. L.
Stenrud, M.
Stenrud, Mrs. M.
Stenzel, R. S.
Stevens, Miss R. D.
Stevens, Miss A. J.
Stevens, M. F.
Stevens, Mrs. P. H.
Stevens, S. S.
Stewart, J. H.
Stewart, M. J.
Stiles, Mrs. M. R.
Stillman, N. G.
Stillwell, W. C.
Stinchfield, Mrs. F. H.
Stoddard, Miss A. W.
Stohl, Miss D. J.
Stolen, K.
Stoltie, J. L.
Stoltie, S. L.
Stone, C. W.
Stone, Mrs. E. R.
Stoner, E. A.
Stoppel, Mrs. S. J.
Stothard, D.
Stram, M. D.
Strand, D. R.
Strand, L. R.
Strand, R. C.
Strand, Miss V.
Straw, R.
Straw, H. B.

Strebel, Miss J. D.
Strecker, M. T.
Street, B. L.
Streitz, F. M.
Strickland, W. B.
Strierner, G. F.
Strimling, Mrs. A. E.
Strimling, A. E.
Strimling, W.
Stroebel, C. F., Jr.
Stroebel, Mrs. C. F., Jr.
Stroebel, Miss F. A.
Strom, C. R.
Strom, G. W.
Stromberg, M. W.
Stromquist, Miss A. E.
Strong, Miss J. M.
Struthers, H. J.
Student, R. E.
Stuherland, J. E.
Stuhler, I. G.
Stuhr, J. W.
Sturlaugson, L. S.
Sukalo, Mrs. J. K.
Sukov, M.
Sullivan, G. M.
Sullivan, J. F.
Sullivan, Miss K. E.
Sullivan, R. O. M.
Sullivan, R. E.
Summers, R. E.
Sunberg, M. C.
Sundberg, G. G.
Sundberg, R. C.
Sundberg, R. D.
Sunderwala, T. D.
Super, H. J.
Suriue, O. W.
Sushak, F. R.
Sutherland, K. H.
Svendsen, B. N.
Sverdrup, L. J.
Svien, H.
Svobodny, R. W.
Swain, J. A.
Swain, R. L.
Swalen, J. D.
Swanberg, W. A.
Swanson, Miss A. J.
Swanson, Mrs. A. W.
Swanson, Miss B. F.
Swanson, Miss B. J.
Swanson, D. J.
Swanson, D. P.
Swanson, F. D.
Swanson, G. L.
Swanson, K. W.
Swanson, R. C.
Swanson, R. D.
Swanson, R. I.
Swanson, S. O.
Swanson, W. H.
Swanson, W. N., Jr.
Swanstrom, Mrs. A. S.
Swanstrom, G. M.
Swanstrom, P. W.
Sward, A. F.
Sward, M. R.
Sward, W. R.
Swarthe, L. L.
Sweatt, C. B.
Sweatt, H. W.
Sweeney, D. R.
Sweeney, G.
Sweeney, J. E.
Sweetman, E. A.
Sweetman, Mrs. M. D.
Sweetser, T. H.
Switzer, Mrs. J. M.
Switzer, J. M.
Swennes, Mrs. A. E.
Swenson, Miss C. D.
Swenson, C. L.
Swenson, Miss E. J.
Swenson, H. V.
Swenson, Miss J. H.
Swenson, J. J.
Swenson, N. O.
Swenson, O. J.
Swenson, S. J.
Swieringa, G. R.
Swisher, Miss B. J.
Swore, R. L.

T

Takaichi, O. H.
Takaki, K. R.
Tang, R. W.
Tanglin, W. G. L.
Tankel, F. B.
Taranto, Mrs. J.
Tarasox, Miss M. S.
Tarbox, J. M.
Tate, W. E.
Taub, I. A.
Taub, S. M.
Taufic, M.
Tawney, Miss M. A.
Taylor, C. A.
Taylor, J. H.
Tebelius, Mrs. J. J.

Teberg, L. E.
Teisberg, Miss M. T.
Telander, B. N.
Teischow, Mrs. L. W.
Temmey, L. A.
Tenenbaum, Mrs. M.
Tenenbaum, M.
Tennant, Miss G. E.
Tenquist, D. A.
Terho, D. L.
Teske, P. R.
Tetzman, B.
Theilen, Mrs. E. B.
Thelen, J. A.
Theobald, Miss B. A.
Therriault, Mrs. F.
Thiss, G. R.
Thom, E. M.
Thom, L. W.
Thomas, F. T.
Thomas, T. W.
Thomes, A. B.
Thomes, Mrs. A. B.
Thomes, Mrs. C. B.
Thompson, Miss A.
Thompson, A. M.
Thompson, B. A.
Thompson, Mrs. C. B.
Thompson, Miss E. M.
Thompson, F. A.
Thompson, Miss I. L.
Thompson, Mrs. L. J.
Thompson, L. M.
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Thompson, T. S.
Thompson, V. A.
Thompson, V. L.
Thomson, B. A.
Thomson, G. V.
Thorkelson, G. A.
Thorp, Miss E. A.
Thorp, F. P.
Thorpe, N.
Thorpe, W. J.
Thorson, Mrs. C. D.
Thorson, K. R.
Thorson, T. W.
Thurston, Miss M. E.
Thurston, Miss M. H.
Thysell, H. R.
Tiber, C. J.
Tickle, R. O.
Tiede, J. J.
Tiff, C. R.
Tillitt, R. S.
Timberlake, H. C.
Timm, Miss J.
Tinley, J. M.
Tinsley, W. A.
Titrud, L. A.
Todd, Mrs. N. T.
Toepke, W. D.
Tollefson, E. H.
Tomczyk, C. S.
Tomisak, R. A.
Tomlinson, D. S.
Tompkins, F. M.
Tompkins, Miss L. E.
Tompkins, W. W.
Tonnemaker, F. C.
Tormoen, Mrs. C. O.
Tormoen, Miss S. Y.
Torp, W. B.
Torrance, K. E.
Torres, A. A.
Town, Miss M. J.
Trainor, A. J.
Trainor, P. M.
Traver, J. E.
Travis, M. J.
Trelidar, Mrs. D. B.
Trelogan, H. C.
Trembath, Mrs. C. H.
Trembley, A. A., Jr.
Tripp, R. A.
Troan, J. T.
Trochill, R. C.
Troemel, Mrs. L.
Trudeau, A. R.
True, A. W.
Tryon, Mrs. F. G.
Tryon, J. L.
Tschumpart, R. F.
Tsui, C. L.
Tucker, G. E., Jr.
Tunell, Miss F.
Tuohy, M. B.
Turnquist, Miss C. M.
Turst, G. K.
Tuttle, R. L.
Tyalor, P. A.
Tyler, E. C.
Tyler, H. J.
Tyler, Miss L. E.
Tyson, Miss L. J.

U

Ueland, A.

Ueland, Mrs. R.
Ueland, A., Jr.
Ukkelberg, E. W.
Ullyot, D. J.
Ulvestad, R. A.
Underdahl, L. C.
Underwood, R. S.
Urbahn, R. D.
Urty, Miss M. J.

V

Vadheim, J. L.
Vadheim, J. R.
Vadheim, L. A.
Vadheim, Mrs. L. A.
Vaitek, W.
Van Alstine, J. N.
Van Buren, E. P.
Van Cleve, H. P.
Van Etta, W. M.
Van Guilder, G. A.
Van Hilst, L.
Van Meier, H.
Van Vleck, Mrs. A. P.
Vana, A. E.
Vandenheng, Mrs. G. J.
Vander Myde, P. A.
VanDusen, R. C.
VanDuzee, E. N.
VanEvery, H.
VanFleet, Mrs. A. K.
Vanstrom, N.
VanTassel, R. A.
Vanvalkenburg, H.
Varberg, D. E.
Vartdal, V. K.
Vathing, R. S.
Vaubel, L. J.
Vendel, T. J.
Verberg, Mrs. B. N.
Verlantz, S. J.
Veseley, J. C.
Vessel, R. J.
Vesterstein, P.
Vick, Mrs. A.
Vick, V. M.
Victor, Mrs. I.
Villella, R. L.
Viola, Mrs. J. D.
Vimig, M. P.
Vivian, G.
Vogel, Mrs. A. F.
Vogel, A. F.
Vogel, H. A.
Vogel, Mrs. H. A.
Volium, Miss M. A.
Von Der Weyer, Mrs. W. H.
Von Fischer, W.
Von Korff, R. W.
Von Ohlen, E. L.
Vonheimburg, R. L.
Vonrohr, H. H.
Vontver, L. A.
Vosbeck, Miss P. D.
Votdr, J.

W

Wachtler, R. J.
Wade, H. H.
Wade, W. W.
Wagner, A. F.
Wagner, D. D.
Wahlberg, E. W.
Wahlgren, Mrs. A.
Wahlin, A. P.
Wahlstrom, Miss E. D.
Wahman, R. E.
Wald, J. E.
Wallace, M. J.
Wallerstein, L. B.
Wallin, G. R.
Walters, M. W.
Walters, R. P.
Walther, J. W.
Wang, J. C.
Wangensteen, C.
Wangensteen, Mrs. N.
Wangensteen, O. D.
Wangensteen, O. W.
Wanless, L. A.
Wanless, L. A.
Wanless, L. A.
Wanvig, J.
Wappel, R.
Warburton, Miss E. A.
Ward, H. H.
Ward, M. M.
Ward, T. M.
Ware, Miss E. K.
Wargo, P.
Waring, R. H.
Warkentint, W.
Warmath, M.
Warn, D. T.
Warner, D. K.
Warner, H. R.
Warren, J. W.
Warren, J. W.
Wasson, J. R.
Waters, M.
Watkins, Miss L. N.

Watson, C. G.
Watson, F. O.
Watson, J. A.
Way, Mrs. O.
Webb, T. R.
Weber, E. W.
Weber, H. R.
Weber, J.
Webster, D. D.
Webster, G. S.
Webster, Mrs. G. S.
Webster, T. L.
Weck, F. B.
Wedge, Miss M. I.
Wedin, Miss B. C.
Wehle, L.
Weickert, H. N.
Weideman, Mrs. R.
Weil, K. J.
Weil, Mrs. S. G.
Weiner, D. E.
Weinstein, E. D.
Weisberg, S.
Weise, G. S.
Weisman, G. M.
Weisman, S. A.
Weiss, Mrs. C.
Weiss, D. K.
Weiss, F. A.
Weist, D.
Weist, Mrs. D.
Welch, A. B.
Welch, C. H., Jr.
Welchhausen, G. E.
Wells, A. J.
Wells, F. M.
Welsh, W. E., Jr.
Weltzin, K. E.
Wenberg, S. J.
Wennerg, O. W.
Wenner, W. T.
Wenzel, G. P.
Weom, L. A.
Werdenhoff, J. H.
Werlich, E. J.
Werner, J.
Werness, R. J.
Wessen, T. W.
West, J. R.
West, J. W.
West, Mrs. R. E.
Westaby, Miss J. R.
Westby, J. A.
Westermoe, M.
Westgate, Miss C.
Weyer, H. R.
Weyh, D. C.
Weyland, J. J.
Weyrens, J. P.
Whalen, M. L.
Wheeler, E. L.
Wheeler, J. E.
Wheeler, R. B.
Wheeler, W. H.
White, D. W.
White, K.
White, W. M.
Whited, E. F.
Whitesell, L. A.
Whiting, J. W.
Whitmore, R. H.
Whitson, G. E.
Whitten, R. C.
Whyte, J.
Wicklund, Miss E. M.
Widmer, R. E.
Widseth, Mrs. J. H.
Widseth, Miss J. C.
Wiedmann, F. H.
Wiedemann, H. H.
Wieland, W. F.
Wiese, W. M.
Wilcox, L. F.
Wilcox, W. W.
Wild, C. D.
Wild, J. J.
Wilensky, Mrs. H.
Wiley, E. W.
Wiley, R. E.
Wilk, Miss E. H.
Wilk, H.
Wilkins, Mrs. J. W.
Wilkins, R.
Wilkinson, C. L.
Wilkinson, Mrs. W.
Wilkowske, C. J.
Will, C. B.
Will, L. F.
Williams, E. D.
Williams, Mrs. E. L.
Williams, Mrs. E. L.
Williams, J. A.
Williams, L. E.
Williams, M. R.
Williamson, E. G.
Williamson, Mrs. E. G.
Williamson, Mrs. J.
Willis, B. S.
Willis, L. L.
Willis, R. J.
Willner, Miss E. V.
Willson, R. A.

Willson, S. V.
Wilmot, C. A.
Wilmot, C. C.
Wilmot, H. E.
Wilshusen, R. E.
Wilson, Miss C. A.
Wilson, C. M.
Wilson, Mrs. E. C.
Wilson, G. W.
Wilson, Mrs. H. M.
Wilson, J. L.
Wilson, O. M.
Wilson, R. H.
Wilson, W. E.
Winch, Miss G. E.
Windus, W. A.
Winker, J. A.
Winpenny, Miss E. V.
Winston, I.
Winter, L. D.
Winter, W. A.
Winter, W. M.
Winters, J. C.
Wirt, Mrs. A.
Wismer, C. A.
Withers, C. H.
Withers, Mrs. G. S.
Wittich, G. W.
Wittman, R. F.
Wittell, R. A.
Wohlrahe, D. E.
Wohle, C. H.
Wold, R. M.
Wold, R. M.
Wold, R. N.
Wold, S. G.
Wolf, J. A.
Wolf, J. B.
Wolf, K. E.
Wolfenson, S. J.
Wolf, B. F.
Wolfson, B.
Wood, Mrs. A. L.
Wood, M. E.
Wood, R. A.
Woodman, Mrs. J. S.
Woodson, Miss C. L.
Wooley, R. J.
Woolfrey, H. J.
Woolpy, M.
Work, Mrs. J. L.
Wrage, Mrs. C.
Wright, D. R.
Wronski, S. P.
Wu, C. K.
Wu, T. C.
Wulfsberg, A. H.
Wurtele, Mrs. H.
Wyard, W. L.
Wyker, G. A.
Wymore, R. A.
Wys, B. L.

Y

Yackel, K. J.
Yaeger, J. J.
Yaffe, H. I.
Yates, H. M.
Yiannoulos, A. A.
Young, Miss C. M.
Young, Mrs. J. A.
Young, J. P.
Younge, O. R.
Yuzinski, C. G.
Yule, A. H.

Z

Zabel, W. H.
Zagaria, J. F.
Zajac, I. S.
Zakovics, A.
Zalans, Miss P.
Zappe, E. W.
Zbacnik, J. L.
Zee, S. H.
Zeidler, H. V.
Zekman, T. N.
Zeleny, L. D.
Zelle, E. F.
Zelle, Mrs. E. F.
Zemke, E. E.
Zemke, Mrs. E. E.
Zemmers, R. M.
Zenkovich, H.
Ziegfeld, E.
Ziegler, B. D.
Zill, C. R.
Zimmerman, D.
Zimmerman, G. S.
Zimmerman, Mrs. R. V.
Zimmerman, S. T.
Zimmermann, B.
Ziner, M. D.
Zink, R. E.
Zins, G. A.
Zinter, A.
Zitzer, G. G.
Zoltal, T.
Zumberge, J. H.
Zwiener, W. A.

Organizations, Foundations and Companies

A

Ad Art Advertising Co.
Advance Machine Co.
The Alcoa Foundation
American Cyanamid Company
C. F. Anderson Co., Inc.
Elmer L. & Eleanor J. Andersen
Foundation
Reuben L. Anderson Foundation, Inc.
Archer Daniels Midland Co.
Atwood Larson Company

B

Bell Lumber & Pole Co.
Harry Blumenthal Co.
Boker's, Inc.
Brewery, Liquor, Soft Drink, Car-
bonated & Spring Water Drivers,
Helpers, and Inside Employees Un-
ion

C

Cargill, Incorporated
Central Leasing, Inc.
Class of 1909 Engineers
Class of 1913
Container Corporation of America
Corning Glass Works Foundation
Crane's Office & School Supply Co.

D

Dental Alumni Association
Despatch Oven Company
Duluth Herald and News Tribune

E

Ebasco Services Incorporated
Eberhardt Company
Eklund Clothing Company
Esso Education Foundation

F

Famous Brands, Inc.
First National Bank of Baudette
Ford Motor Company Fund
Franklin Studebaker Corporation

G

Gamble Skogmo Inc.
General Electric Foundation
General Mills Foundation
Gopher Back Court Club
Gopher Blue Line Club
Graco Foundation
Greater Minneapolis Hotel Associa-
tion
S. J. Groves & Sons Co.
Louis S. Grossman Foundation
Max Grossman & Sons Foundation

H

Hansord Pontiac Company
The Huddle
Hughes Aircraft Co.

I

Ingersoll Milling Machine Co.

J

J & O Grain Company
Jefferson Transportation Co.
Jerome's Women's Wear
The Johnson's Wax Fund, Inc.
Johnston-Sahman Company
Juster Brothers, Inc.

L

Lampson & Tew, Inc.
Philip J. Lane Foundation
Lever Brothers Co.
Libby, McNeill & Libby
Lincomatic Industries, Inc.

M

University of Minnesota "M" Club,
Inc.
The Men's Club, Luther Memorial
Church
Mackall, Crouse, Moore, Helme &
Holmes
Mackay Envelope Company
Maslon Foundation
The McKnight Foundation
Frank E. McNally Foundation, Inc.
Melrose Telephone Company
Men's Student Government Associa-
tion
The Merck Company Foundation
Minneapolis Automobile Dealers As-
sociation
Minneapolis Clearing House Associa-
tion
Minnesota Alumnae Club
Minnesota Federal Savings & Loan
Association
Minnesota Mining & Manufacturing
Co.
Minnesota Twins Baseball Club
Minnesota Valley Veterinary Medical
Society
The Morse Foundation
Mullin & Dillon Company
Murray's, Inc.

N

Naugle Leck Inc.
Neurological Group, University Hos-
pitals
Northbrook Clinic
Northern States Power Co., Minne-
apolis
Northern States Power Co., St. Paul
Northwestern National Bank of St.
Paul

O

Onan Family Foundation
Our Own Hardware Co.
Lewis and Annie F. Paper Founda-
tion

P

Peavey Company
J. C. Penney Co., Inc.
P. G. N. Foundation
Phillips Foundation
Phillip Morris, Inc.
Phillips Petroleum Co.
Pidgeon Savage Lewis, Inc.
The Pillsbury Co.
Pioneer Distributing Co.
Pittsburgh Plate Glass Foundation
Pitiam Linoleum Co.

R

Charles Ritz Foundation, Inc.

S

Safety, Inc.
St. Paul Book & Stationery Co.
St. Paul Dispatch Pioneer Press
Schweigert Meat Co., Inc.
Searle Grain Co.
Skeldon & Green Electric Inc.
Standard Oil Division of American
Oil Company

T

Teamsters Local Union 970 Metal
Shop, Warehousemen and Helpers
Thorpe Bros., Inc.
Title Insurance Company of Minne-
sota
Trans World Airlines
Twin City Federal Savings & Loan As-
sociation

U

University of Minnesota Alumni Club
of Northern California
University of Minnesota Alumni Club
of Greater Chicago
University of Minnesota Alumni Club
of Greater St. Louis
University of Minnesota Alumni Club
of New York
University of Minnesota Alumni Club
of Wadena
University of Minnesota Women's
Club of Detroit

W

WCCO Radio Television Station
West Central Wisconsin University of
Minnesota Alumni Association
Western State Bank of St. Paul
Westling Manufacturing Co.
Woodrich Construction Co.

Y

Yellow Taxi Company of Minneapolis

Z

Anonymous

Organizational Foundations and Companies

Company Name	Founding Year	Industry	Headquarters	Key Products/Services
Apple Inc.	1976	Technology	Cupertino, CA	Macintosh, iPhone, iPad
Microsoft	1981	Technology	Redmond, WA	Windows, Office, Azure
Amazon	1994	E-commerce	Seattle, WA	Amazon.com, AWS, Kindle
Google	1998	Technology	Mountain View, CA	Search, Gmail, YouTube
Facebook	2004	Social Media	Menlo Park, CA	Facebook, Instagram, WhatsApp
Twitter	2006	Social Media	San Francisco, CA	Twitter
LinkedIn	2003	Professional Network	Sunnyvale, CA	LinkedIn
Slack	2009	Productivity	San Francisco, CA	Slack
Zoom	2011	Video Conferencing	Foster City, CA	Zoom
Netflix	1997	Streaming	Los Gatos, CA	Netflix
Spotify	2009	Music Streaming	Stockholm, Sweden	Spotify
Uber	2009	Ride-sharing	Palo Alto, CA	Uber
Lyft	2012	Ride-sharing	San Francisco, CA	Lyft
DoorDash	2012	Food Delivery	San Francisco, CA	DoorDash
GrubHub	2004	Food Delivery	Chicago, IL	GrubHub
Postmates	2011	Food Delivery	San Francisco, CA	Postmates
Instacart	2012	Food Delivery	San Francisco, CA	Instacart
Shutterstock	2003	Stock Photography	San Francisco, CA	Shutterstock
Getty Images	1995	Stock Photography	Los Angeles, CA	Getty Images
Adobe	1982	Software	San Jose, CA	Photoshop, Illustrator, Acrobat
Autodesk	1982	Software	San Rafael, CA	AutoCAD, Revit
Oracle	1977	Database	Redwood City, CA	Oracle Database, Java
SAP	1972	ERP	Walldorf, Germany	SAP ERP
Salesforce	1999	CRM	San Francisco, CA	Salesforce CRM
HubSpot	2006	Marketing	Cambridge, MA	HubSpot CRM
Mailchimp	2001	Marketing	Atlanta, GA	Mailchimp
Buffer	2010	Social Media	San Francisco, CA	Buffer
Hootsuite	2009	Social Media	Vancouver, Canada	Hootsuite
Asana	2008	Project Management	San Francisco, CA	Asana
Trello	2011	Project Management	San Francisco, CA	Trello
Monday.com	2013	Project Management	Tel Aviv, Israel	Monday.com
Basecamp	2004	Project Management	San Francisco, CA	Basecamp
Atlassian	2002	Software	Foster City, CA	Jira, Confluence
Git	2008	Version Control	San Francisco, CA	Git
Docker	2013	Containerization	San Francisco, CA	Docker
Kubernetes	2015	Container Orchestration	San Francisco, CA	Kubernetes
Ansible	2012	Configuration Management	San Francisco, CA	Ansible
HashiCorp	2012	Infrastructure as Code	San Francisco, CA	Terraform, Vault
VMware	1998	Virtualization	Palo Alto, CA	VMware ESX, vSphere
Red Hat	1995	Linux Distribution	Raleigh, NC	Red Hat Enterprise Linux
SUSE	1984	Linux Distribution	Nuremberg, Germany	SUSE Linux Enterprise Server
Ubuntu	2004	Linux Distribution	London, UK	Ubuntu
CentOS	2004	Linux Distribution	Prague, Czech Republic	CentOS
Debian	1993	Linux Distribution	Germany	Debian
Arch Linux	2002	Linux Distribution	Germany	Arch Linux
AlmaLinux	2019	Linux Distribution	India	AlmaLinux
Rocky Linux	2015	Linux Distribution	USA	Rocky Linux
Oracle Linux	2009	Linux Distribution	USA	Oracle Linux
Red Hat OpenShift	2017	Container Platform	Raleigh, NC	Red Hat OpenShift
Kubernetes	2015	Container Orchestration	San Francisco, CA	Kubernetes
Docker Swarm	2014	Container Orchestration	San Francisco, CA	Docker Swarm
Apache Mesos	2012	Container Orchestration	San Francisco, CA	Apache Mesos
YARN	2015	Container Orchestration	San Francisco, CA	YARN
MapReduce	2004	Distributed Computing	San Francisco, CA	MapReduce
Hadoop	2005	Distributed Computing	San Francisco, CA	Hadoop
Spark	2009	Distributed Computing	San Francisco, CA	Spark
Flink	2014	Distributed Computing	Germany	Flink
Storm	2011	Distributed Computing	San Francisco, CA	Storm
Tez	2010	Distributed Computing	San Francisco, CA	Tez
Impala	2012	Distributed Computing	San Francisco, CA	Impala
Presto	2012	Distributed Computing	San Francisco, CA	Presto
Trino	2017	Distributed Computing	San Francisco, CA	Trino
Delta Lake	2018	Data Lake	San Francisco, CA	Delta Lake
Apache Parquet	2013	Data Lake	San Francisco, CA	Apache Parquet
Apache Avro	2010	Data Lake	San Francisco, CA	Apache Avro
Apache Arrow	2016	Data Lake	San Francisco, CA	Apache Arrow
Apache Iceberg	2019	Data Lake	San Francisco, CA	Apache Iceberg
Delta	2018	Data Lake	San Francisco, CA	Delta
Iceberg	2019	Data Lake	San Francisco, CA	Iceberg
Parquet	2013	Data Lake	San Francisco, CA	Parquet
Avro	2010	Data Lake	San Francisco, CA	Avro
Arrow	2016	Data Lake	San Francisco, CA	Arrow
Iceberg	2019	Data Lake	San Francisco, CA	Iceberg
Delta	2018	Data Lake	San Francisco, CA	Delta
Parquet	2013	Data Lake	San Francisco, CA	Parquet
Avro	2010	Data Lake	San Francisco, CA	Avro
Arrow	2016	Data Lake	San Francisco, CA	Arrow
Iceberg	2019	Data Lake	San Francisco, CA	Iceberg
Delta	2018	Data Lake	San Francisco, CA	Delta
Parquet	2013	Data Lake	San Francisco, CA	Parquet
Avro	2010	Data Lake	San Francisco, CA	Avro
Arrow	2016	Data Lake	San Francisco, CA	Arrow
Iceberg	2019	Data Lake	San Francisco, CA	Iceberg
Delta	2018	Data Lake	San Francisco, CA	Delta



LAWRENCE R. BOIES, professor and head of the Department of Otolaryngology within the University of Minnesota's Medical School, is a 1926 graduate of the College of Physicians and Surgeons of Columbia University. Following his internship he practiced for 19 months as assistant to a general surgeon, then enrolled as a graduate student at the Harvard Medical School. His study there, including a period of residency at the Massachusetts Eye and Ear Hospital, covered almost two years. He joined Minnesota's faculty in 1931 on a half-time basis. He was named head of the division of otolaryngology in 1942, but continued half-time private practice until 1955, when he was appointed first full-time head of the newly-organized Department of Otolaryngology. Boies has been extremely active nationally in his field, and has served as president of several national professional groups. He is currently president of the American Board of Otolaryngology.

RICHARD O. SIELAFF, professor and chairman of the Division of Social Sciences at the University of Minnesota, Duluth (UMD), is a firm believer in community development based on

carefully planned research. Since he came to UMD in 1947, Dr. Sielaff has a half dozen major research reports and directed many other projects at the request of federal, state

and local agencies. "I am convinced that the UMD Department of Business and Economics has a major responsibility to provide the research talent needed for economic planning," Prof. Sielaff declares. The Port of Duluth was developed in large part as a result of the 1955 and 1956 studies of "Lake Traffic at the Port of Duluth-Superior." Other projects directed by Sielaff include: the "Northern Minnesota Vacation-Travel Survey" (1958) for the Minnesota Iron Range Resources and Rehabilitation Commission, the study "The Economics of Outdoor Recreation in the Upper Midwest" (1963) financed by the Upper Midwest Economic Study, the study for the National Park Service on "The Economics of the Proposed Voyageurs National Park" (1964), and the federally financed Area Redevelopment Study (1963). Dr. Sielaff earned the B.B.A., B.S., M.B.A. and Ph.D. degrees at the University of Minnesota.



ALUMNUS ON THE MOVE

(Continued from page 19)

and research for all of the company publications, en route to the position of advertising director. He was elected a director and secretary of the company in 1954, named to the executive committee in 1955 and executive vice president in 1957. In the latter position his main responsibility was advertising sales.

During his tenure with the company Lingren has seen Miller become one of the nation's major business paper publishers. The company's first magazine, *The Northwestern Miller*, was introduced in 1873. It was edited and produced through the efforts of two men. Today more than 150 employees are involved in a publishing complex which now produces 12 national business publications—*The Northwestern Miller*, *Feedstuffs*, *Croplife*, *Feedlot*, *Farm Store Merchandising*, *Home & Garden Supply Merchandiser*, *Feed Additive Compendium*, *Sports Age*, *Green Book Buyer's Guide*, and *Professional Nursing Home*, plus the recently acquired *Baker's Review*, and *Hog Farm Management*, a new publication launched last June. Ideas for new magazines and some possible acquisitions are continually under consideration. Sales offices are located in New York, Chicago, Kansas City and the West Coast.

The firm, which is privately owned, principally by employees and former employees, does not disclose sales figures, but Lingren describes them as between \$2-\$3 million a year. "It wasn't too long ago when I remember being thrilled to go over the million dollar mark," he adds.

"People have been asking what is new since our change in management," he says, and Lingren is the first to admit that the answer is, really, "nothing." He maintains that the same goals and objectives that Miller has had for the past ten years still hold. As he explains: "We are dedicated to a careful, steady growth, to staying flexible in our operations, to protecting our rich heritage and at the same time

adding our own fresh breeze to the climate in which we operate."

"We've got most of our new publications built solidly and they are ready for continued growth, if we are smart enough to fit them into their places in the business world. Our older publications continue strong."

Lingren regards people as Miller's greatest asset. Since becoming president, ten staff members have been given new appointments or reassigned and nine new people added.

"We don't worry about getting the physical things we need," he says. "We can buy all the paper and all the ink and all the presses we need for our operations — but we spend a lot of time working on our supply of people, and we are very proud of what we feel is a great staff. Our people are young, bright, imaginative and enthusiastic." Average age of staff members is 37, compared with a ripe old 45 for the management team.

Miller, Lingren pointed out, is unique in the businesspaper field in that it edits and prints its magazines at a single plant in Minneapolis, built in 1954.

"Sometimes we feel we should headquarter in New York or Chicago, where more than half of our advertising comes from," he said. "But we've got deep roots in the Midwest and we believe we have turned our location into a big advantage. Our thinking is fresher, our operations are brighter."

Finding space for the company's burgeoning family of publications, however, is a problem that Lingren will have to solve soon. It was the firm's rapid growth that in 1954 necessitated a move from the historic Miller Building at 118 So. 6th Street — a landmark in downtown Minneapolis for more than half a century — to the company's present 3-acre site at 2501 Wayzata Boulevard. Now the company faces the same happy problem again.

"We have filled our home office building to a point where we are bursting at the seams," Lingren says. "They tell us even our air conditioning system is overloaded."

The answer will probably be

either a plant addition or the farming out of some departments to other locations, depending on Miller's next expansion moves.

However, considering the rate at which the "bird" is growing, Miller's new president may well spend the rest of his tenure in office finding a nest big enough to hold him. □

FACULTY RAID

(Continued from page 11)

a young Ph.D. could be brought to the University at a salary of about \$6,000. Now the same person will not come for less than \$8,000. Such men are generally between the ages of 35 and 45 and have their careers ahead of them, and because of the heightened demand, can afford to be fussy.

His own department, which has a relatively young faculty, was "extremely fortunate" in getting its staff at the right moment, McLaughlin said, and is now "having considerable difficulty retaining them." He describes his as "one of the first rate departments in the country," and says that one of the reasons for his department's retention problem is that its relatively young faculty is "rapidly becoming known."

He cites the case of one school which, in trying to increase its

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stature, offered positions to four members of his department in the last three years, but was turned down by each of them in turn.

Four other faculty members were retained last year only by substantial salary increases. One prominent member of the political science department rejected two offers, one of them the chairmanship at another university.

Such retentions, McLaughlin asserts, occur for just one reason: the individuals involved like the department and the University, in spite of the lower salaries, lack of time for research, and a higher load of administrative work.

John W. Clark, head of the English department, ranks his department near the top in the growing demand for qualified people, but said there has been a tendency to recruit the younger people at lower ranks in the department.

Senior faculty members receive fewer offers, he says, not because they aren't qualified, but because "the older a man is the more reluctant he is to move" and the more it costs another institution to get him.

Clark predicts a leveling-off of salaries at the higher ranks.

"If you have to pay more to get new people," he says, "the tendency is going to be to advance less and less rapidly the senior faculty members."

Other colleges of the University than Liberal Arts are caught up in the hiring whirlpool.

University education professors are often tempted by high-paying administrative jobs in public schools as well as by teaching positions at other universities, according to Marcia Edwards, associate dean of the College of Education.

Miss Edwards admits that the greater threat to retaining her college's outstanding faculty comes from the hiring aspirations of other institutions, but points out that high salaries also make administrative and supervisory jobs extremely attractive.

As an example, she cites the fact that there are three major school superintendencies open in

the Minneapolis metropolitan area, at salaries from \$15,000 to \$18,000 a year, all three of which are available to University faculty members who are earning less than \$10,000 a year.

Making the move into such a job even more attractive is the fact that the superintendent of a major system earns "considerably more money than the dean of this college," so that trainees, in effect, often get more money than the person who trained them.

Miss Edwards' college is also bucking the institutional competition faced by all University departments.

Competition is stiffening, she says, particularly in those fields—such as child psychology and special education—in which federal funds are becoming more widely available among colleges and universities. For example, one institution tried to hire 12 to 15 experts in child psychology from the University.

In another department within the College of Education, no less than two-thirds of the faculty have received offers to move to other schools.

Curiously enough, the same thing that attracts other schools to Minnesota's education faculty holds a great part of that faculty here: its recognized position of leadership in many areas of education.

Miss Edwards tells of the full professor who received an offer to set his own salary and describe his own job. "He stayed with us," she says, "because he felt he could make a greater contribution here in his research with top-level graduate students."

Another professor has had a standing offer from another school for two years at a salary \$3,000 higher than his present University salary.

A third, she says, gets an offer "every time he's at a national meeting, but he's not about to move." He heads a large research project here and works with top-level staff members in many departments, she says.

Besides the caliber of colleagues

and graduate students, the University also offers the opportunity to work closely with the public school systems, which is not available everywhere.

Then, too, Miss Edwards adds, there is the "strong hope that salaries here will improve," a hope held by individuals not only for themselves but also for their colleagues.

"Nobody wants to stay in a department that's going downhill because it's losing its leaders," she says.

In the areas of medicine or science, the availability or lack of adequate research facilities becomes a major factor in attracting or retaining faculty.

To this point, the University has been able to compete "favorably" with other institutions in the medical sciences because of the opportunities for research which it offers, according to Dr. Robert Howard, dean of the College of Medical Sciences. He says the University has been able to hold its own in medicine by balancing lower salaries with such research offerings.

Over the last ten years, however, he adds, many other schools have improved and enlarged their facilities, and as a result, "the edge we once had is no longer much of an edge."

In the last two years the college has lost 12 to 15 faculty members it would have preferred to keep. Of these, higher salaries might have saved half. The other half, he says, were lured for the most part by department chairmanships.

An example is Dr. Robert Ulstrom, who left Minnesota to head the department of pediatrics at the University of California, Los Angeles. Ulstrom is an expert in metabolic disorders of children and also worked extensively in the development of the Medical School curriculum while he was at Minnesota.

Howard adds that the department of pediatrics at Minnesota has been raided "with regularity" over the years.

Another pull on the medical fac-



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ulty, and a difficult one to oppose, is private practice.

This competition, which has remained reasonably steady over the years, usually hits the assistant professor in his early 30's, at the time when he must make a choice between full-time academic work and higher-paying private practice.

The research problem is more serious in the Institute of Technology, according to Associate Dean Frank Verbrugge. Research space there is now so limited that it can be offered to a new assistant professor only by doing one of three things: taking space from someone else, combining research facilities, or converting a general purpose room for research use.

According to Verbrugge, the young I.T. Ph.D. in science or mathematics is also confronted with a choice before he begins his career. Industry pulls away over half the Ph.D.'s from academic work.

Once they decide to join the University's staff, however, they rarely leave to enter industry, despite the attraction of higher salaries, he says. He adds that support and facilities for such people's research programs is the primary factor in retaining them.

"Typically it's the young scientist who is productive," he says. "The ages 25 to 45 are the most productive years" for scientists and mathematicians, a fact which arouses "particular concern" for supporting the young staff member.

The "support" involved includes both special effort to get the person started with adequate equipment and getting assistance from federal agencies for financing his summer research, Verbrugge says.

Some faculty members leave, he adds, not because of higher salaries or research facilities, but because of another school's ability to attract top level graduate students. Although Minnesota has "excellent" graduate level students, he notes that there are few service-free fellowships here, loads of teaching assistants are heavy, and stipends are "no longer competitive."

He sums up the significance of this fact very simply: "When we're

not attractive to graduate students," he says, "we're not attractive to senior staffers."

The shortage of research and office space does not apply only to faculty in the Institute of Technology. CLA's Dean Ziebarth says that the lack of space is usually high on the list of reasons for faculty considering leaving Minnesota.

Faced with these problems, how then can the University go about retaining the faculty it has, and recruiting the additional people it must get to handle ever-rising enrollments?

Unfortunately, there is little that can be done without money, and the availability of that depends upon the State Legislature.

President O. Meredith Wilson has categorized his 8 per cent increase request as "vital to the morale" of the present University faculty. William G. Shepherd, vice president for academic administration, says the eight per cent increase, if appropriated, would enable Minnesota to "hold its own and hopefully move ahead a little."

The likelihood of such an appropriation being made is not great, however. Governor Karl Rolvaag, in reviewing the University's budget requests, recommended a six per cent increase for the first year of the biennium and a seven per cent increase the second.

Sen. Stanley Holmquist (C. Grove City), a member of both the Tax and Education Committees, is of the opinion that a six per cent increase in each of the next two years is the "very most" the University can expect from the Legislature, raising the possibility that the actual amount appropriated could be substantially less.

Holmquist says the Legislature "would as nearly as possible like to meet the University's requests" but must be "guided by the revenue available."

Two past legislatures have provided five per cent increases in funds for salary improvements.

A lesser appropriation for increasing salaries would be of some help, of course, and might even
(Continued on page 42)

THE UNIVERSITY

'Roof-Raising' Heralds \$1 Million Masonic Hospital Addition

Masonic and University of Minnesota officials teamed up March 17 to "raise the roof" of the University's Masonic Memorial hospital in a ceremony symbolizing the start of construction of two additional floors.

The Masons' fund-raising campaign for the hospital expansion has gone over the million-dollar mark, Clyde E. Hegman, state campaign chairman, announced. The fund now stands at \$1,007,000, Hegman said, or just \$93,000 short of the goal of 1.1 million dollars to be raised by Sept. 1, 1965.

Speaking for the University at the "roof-raising" ceremony was Laurence R. Lunden, vice president for business administration, who joined with Hegman to hoist a large slab of limestone coping from the parapet around the roof.

Present for the rooftop occasion were Masonic Grand Master Paul M. Olstad of Bemidji; Mrs. Clifford Dietz of Mankato and Franklin G. Emrick of Minneapolis, vice presidents of the Masonic Memorial Hospital Fund, Inc.; and William W. Lundell of Minneapolis, a director of the fund.

University participants included Miss Gertrude Gilman, director of University Hospitals; Ames Early, assistant hospitals director in charge of Masonic Memorial hospital; Dr. Robert B. Howard, dean of the College of Medical Sciences; and Roy V. Lund, assistant vice president for business administration and director of plant services.

Later in the day, Masonic officials from most of the state's 288 lodges attended a tour of the Masonic hospital, a reception in the Campus Club and a dinner in Coffman Memorial Union main ballroom.

The million-dollar Masonic Memorial Hospital was completed in 1958, built entirely with funds raised by the Masons. An 80-bed facility, it is dedicated to patient care, teaching and research in incurable diseases, chiefly cancer.

Construction will begin this spring on the new two-floor addition and will take approximately 18 months. The new third floor will add rooms for the care of 40 more patients. The fourth floor will hold specialized research laboratories to help doctors investigate the problems of cancer detection, chemical therapy of cancer, cancer growth and malignant diseases in children and adults.

University Plans to Close Elementary Laboratory School At End of Term

The University of Minnesota will close its elementary laboratory school this year, according to action taken by the Board of Regents in February. The Regents accepted the recommendation of the College of Education faculty to close the school because of insufficient space, limited enrollment and a lack of faculty with tenure.

The school, housed in Pattee Hall on the Minneapolis campus, now has an enrollment of 175 pupils

New Physics School Head Named

Morton Hamermesh, associate director for basic research at Argonne National Laboratory, Argonne, Ill., has been named professor and head of the University of Minnesota's School of Physics and Astronomy by the University's Board of Regents. He will replace Professor Alfred O. C. Nier in September.

Professor Nier, who has been chairman since 1953, resigned to return to full-time teaching and research in the school.

Hamermesh, of Hinsdale, Ill., was director of the physics division of Argonne National Laboratory from 1959 to 1963, when he assumed his

through the sixth grade. The University will continue to operate its nursery and high schools as laboratory schools, used for training student teachers and for research in curriculum development.

According to Robert J. Keller, dean of the College of Education, the school's high quality education program and the practice teaching for elementary education students were not enough to offset the weaknesses of the operation.

'63-'64 Gifts

Totaled \$6,433,000

Gifts to the University of Minnesota from individuals, corporations and philanthropic foundations totaled \$6,433,000 during the 1963-64 academic year, according to a tabulation by the John Price Jones Co., a private institutional financing consultant firm.

The figure for Minnesota represents an increase of \$513,000 over the amount received in 1961-62. The University ranked 16th among the 27 large universities surveyed.

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present post. He had been associate director of the physics division from 1950 to 1959.

His fields of study and research include theoretical nuclear physics, electromagnetic theory, long-wave search antenna array and passage of neutrons through crystals and polycrystals. He is the author of a 1962 book, "Group Theory," as well as many papers, and is a fellow of the American Physics society.

Hamermesh received his bachelor of science degree in 1936 from City College of New York and his doctor of philosophy degree in 1940 from New York university. He held several teaching positions at these two schools as well as at Stanford university, Stanford, Calif., between 1936 and 1943, and worked at the Harvard Radio Research Laboratory from 1943-45. He became an assistant professor at New York university in 1946, associate professor in 1947. From 1948-50, he was senior physicist at Argonne National Laboratory.

New Associate Dean

Dr. Robert K. Anderson, professor of veterinary bacteriology and public health, has been named associate dean of the College of

Veterinary Medicine by the University of Minnesota Board of Regents. He succeeds Dr. Harvey H. Hoyt, who died last fall.

The Regents have also approved two other promotions in the College of Veterinary Medicine. Dr. Dale K. Sorensen was appointed head of the department of veterinary medicine and clinics, and Dr. Donald G. Low was named director of the clinics.

Professor Anderson's career has included public service and veterinary practice as well as teaching. He has been a University professor since fall of 1957 and was associate professor in 1956-57.

Regents Vote

Landscape Program

Establishment of a degree program in landscape architecture at the University's School of Architecture was authorized Jan. 8 by the Board of Regents.

The new 5-year program, leading to a bachelor of landscape architecture degree, will cost about \$90,- a year and require five new staff members.

According to President Wilson, the program will enable all archi-

tecture graduates to have some training in development of sites for the buildings they design, and will make specialists in the field available for the state.

The program was approved despite concern on the part of some the Regents about spending funds for new programs rather than for more staff in existing programs and more pay for present faculty members. President Wilson explained that administrators of the University attempt to balance new programs with other needs before making recommendations, and added that he was surprised when he came to Minnesota in 1960 to find "no landscape architecture in a school with the stature of ours."

Showboat Schedule

Shaw's "Arms and the Man" and an old-fashioned melodrama, "Because I Love You" (author unknown), will be produced on the University of Minnesota Theatre department's Showboat this summer, according to Professor Frank M. Whiting, Showboat "captain" and University theatre director.

Eleven performances have been added to the 1965 schedule of the Showboat, Professor Whiting said, with the additional performances listed from May 25 through June 3. A "finals week" break will be taken at this time, and "Arms and the Man" will re-open June 11 at the Minneapolis dock on the Mississippi river flats south of the Washington avenue bridge where it will run through July 3.

The 1965 season's second presentation, "Because I Love You," will open at the Minneapolis dock July 6 and will run through July 24 when the Showboat will move downstream to the St. Paul dock at Harriet Island.

"Arms and the Man" will be presented in St. Paul Aug. 2 through Aug 7 when the Showboat will return to Minneapolis for the balance of the season. The Shaw play will run through August 14, and "Because I Love You" will wind up the season with performances Aug. 16 through Aug. 28.

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THE ALUMNI

Rockefeller Foundation Head to Speak at MAA Annual Meeting

The President of the Rockefeller Foundation—J. George Harrar—a Minnesota alumnus and former faculty member, will be the principal speaker at the 61st Annual Meeting of the Minnesota Alumni Association and Honors Presentation, scheduled for Tuesday, June 1 at the Sheraton-Ritz Hotel in downtown Minneapolis.



J. G. Harrar

Harrar received his Ph.D. degree from the University in 1935, and was an instructor in plant pathology in 1934-35. He joined the Rockefeller Foundation in 1943 as local director of the Mexican Agricultural Program, became director for agriculture in 1955, a vice-president in 1959, and trustee and president in 1961.

The meeting will begin with a reception and social hour from 6:00 to 6:45 p.m. in the Regency and Embassy Rooms of the hotel, with the dinner and annual meeting getting under way at 7:00 p.m. in the Cotillion Ballroom.

Highlights of the evening's program will be the presentation to several University of Minnesota alumni of the highest awards bestowed by the University and the MAA—the Outstanding Achievement Award and the Alumni Service Award.

Results of the upcoming board election will also be announced, and the incoming board members and officers of the Association will be introduced to the members.

Special guests of honor at the meeting will be past recipients of the Outstanding Achievement Award and Alumni Service Awards.

CALLING ALL GOPHERS IN DETROIT, CLEVELAND AND MILWAUKEE AREAS

Ed Haislet, Executive Director of the Minnesota Alumni Association, will be the main speaker at alumni meetings scheduled for **Monday, April 26—Detroit, Mich.**

Place: University Club of Detroit

Time: 6:00 p.m. Social Hour;
Dinner 7:00 p.m.

Reservations: Tickets \$5.50 per person including gratuity. Send to Alumni Office, 205 Coffman Memorial Union, University of Minnesota, by Friday, April 23.

Tuesday, April 27—Cleveland, Ohio

Place: University Club, 3813 Euclid Avenue

Time: 6:00 p.m. Social Hour;
Dinner 7:00 p.m.

Reservations: Tickets \$6.50 including gratuity. Send to Vern H. Olson, 610 Euclid Avenue, Cleveland, by Friday, April 23.

Monday, May 17—Milwaukee, Wisconsin

Place: Milwaukee Athletic Club
Time: 6:00 p.m. Social Hour;
Dinner 7:00 p.m.

Reservations: Tickets \$4.25 including gratuity and sales tax. Send to Alumni Office, 205 Coffman Memorial Union, University of Minnesota, by May 14.

Class of 1915 Plans 50th Reunion

The graduating class of 1915, which this year celebrates its 50th Anniversary, will hold its reunion to coincide with Cap and Gown Day on the University's campus, May 12.

Alumni of the class will gather first in Coffman Memorial Union for registration, and then move to the steps of Northrop Memorial Auditorium to review the Class of 1915 in procession. Following the convocation will be a reunion luncheon, at which class members will be guests of the Minnesota Alumni Association.

Other highlights of the day include a visit to the home of President and Mrs. O. Meredith Wilson for afternoon tea, and a guided bus tour of the campus.

Chairman of the Reunion committee is Erling W. Hanson '13BS, '15MD, a member of the faculty of the University's Medical School for 39 years. He retired as Professor Emeritus of Ophthalmology in 1958, after serving for several years as professor of ophthalmology and head of the department.



Hanson

Alumnae Club Annual Meeting

The annual meeting and dinner of the Alumnae Club will be held this year on May 15. Principal speaker for the dinner, at which Dr. Dorothy Leahy will receive the University's Outstanding Achievement Award, will be University President O. Meredith Wilson. Topic of his talk will be "Education and Women."

Alumnae and their friends wishing to attend may make reservations made by calling the Education Alumni Association, 373-2466.

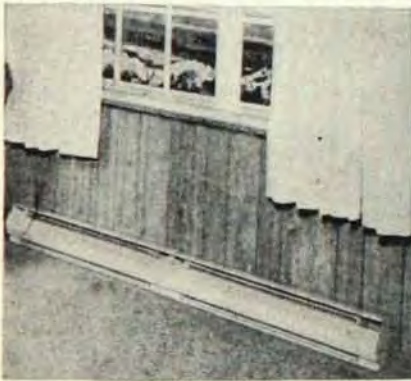
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Anderson, Micheels to Get OAA At Education Annual Meeting

Two distinguished alumni of the University of Minnesota's College of Education will receive the Outstanding Achievement Award at the College of Education Alumni Association's 10th Annual Meeting, planned for Friday, April 30, in the Campus Club on the 4th floor of Coffman Memorial Union.



Micheels



Anderson

The alumni who will receive the University's highest honor are William J. Micheels '38MS '41PhD,

president of Stout State University, Menominee, Wisconsin, and Kenneth E. Anderson '32BS '34MA '49PhD, dean of the School of Education of the University of Kansas, Kansas City, Kansas. Micheels will also be principal speaker at this year's meeting.

On hand to discuss recent developments within the college will be Dean Robert J. Keller. Entertainment for the meeting will be provided by students from the Music Education Department.

The dinner will get underway at 7:00 p.m. in the Main Dining Room of the Campus Club, and will be preceded by a social hour and reception from 6:00 to 7:00 in the Reading Room.

Cost of the dinner is \$3.50 per person, and reservations may be by calling the Education Alumni Association, 373-2466.

Ag-Forestry-Home Ec Alumni Plan Annual Meeting April 24

The Seventh Annual Meeting of the College of Agriculture, Forestry and Home Economics Alumni Association will be held Saturday, April 24, 1965, in the Student Center on the St. Paul campus of the University of Minnesota.

Beginning with a coffee hour from 4:15 to 6:00 p.m. in the Staff Dining Area, the meeting will continue with a banquet in the North Star Ballroom at 6:30 p.m.

Two distinguished alumni will receive the University's highest honor—the Outstanding Achievement Award—at this year's meeting, Thorvald Schantz-Hansen, '15 BS Cloquet, Minn., and Arthur Lawrence Anderson, '16BS Ames, Iowa, will be presented with the award by University President O. Meredith Wilson.

Also honored at the meeting will be Mrs. Charlotte Verrell Jacobson, who will be presented a certificate of service to home economics by Dr. Louise Stedman. Special tribute will also be paid to the honored five-year classes of 1915 through

1955, and to all past recipients of the Freeman Medal.

On hand to speak for the college will be Dean Sherwood O. Berg. Musical entertainment will be provided by the St. Paul Campus Chorus.

Speaking for the alumni will be the president of the College of Agriculture, Forestry and Home Economics Alumni Association, Helen L. Aldonas '43BSHE.

Cost for the evening is \$3.75 per person. Reservations should be made as early as possible, either by mail or by calling 373-2466.



Schantz-Hansen

Alumnae Club Reschedules "An Evening with the University Theatre" for April 22

Members of the Minnesota Alumnae Club will hold their postponed "Evening With the University Theatre" April 22. The evening theater party was originally scheduled for March 2, but had to be cancelled due to heavy snows.

Highlight of the evening will be the presentation of a play—George A. Herman's "The Company of Wayward Saints"—by members of the University Theatre in Scott Hall auditorium at 8:00 p.m.

Preceding the performance, at

MEET A CONSTITUENT GROUP PRESIDENT . . .



JAMES C. MANKEY '43MD, recently elected president of the Medical Alumni Association, is engaged in private practice of internal medicine in Minneapolis. A native of Minneapolis, he received his pre-medicine education from St. Thomas College, St. Paul, interned at Milwaukee County General Hospital, and continued with a fellowship in internal medicine, despite interruptions to serve in the U.S. Navy and Marine Corps from 1945-47. In 1948 he took over the Minneapolis medical practice of another doctor, in which he is partnered with two other graduates of the University of Minnesota Medical School. Mankey is a member of the staffs of both St. Mary's and Abbott Hospitals, and is a clinical assistant professor in the Medical School.

APRIL, 1965

6:45 p.m., the group will hear Merle Loppnow of the University's Department of Theater Arts discuss the play in the Campus Club on the 4th floor of Coffman Memorial Union. Dessert and coffee will also be served.

Loppnow is a graduate of Minnesota. He became Stage Manager in 1949 and Business Manager in 1954. He directed over 40 productions for the St. Paul Penthouse Players and from 1940-43 was publisher of "Centre Aisle." He has directed in the Studio and Arena Theatres as well as for Scott Hall Auditorium.

Cost for the entire evening, including refreshments and theater tickets, is just \$2.00, made possible by a group theater rate. Reservations may be made by calling the Minnesota Alumnae Club, 373-2466.

Recently-Elected Constituent Board Members Take Office

Newly-elected members of the constituent groups' boards of directors who have taken office within the past few weeks include the following (the bold face heading indicates the constituent alumni group on whose board they are serving):

VETERINARY MEDICINE

R. A. Martens '54BS '56DVM has practiced veterinary medicine in Nicollet, Minn., since his graduation from the University. Married and the father of four boys, Martens serves on the public relations committee of the Minnesota Veterinary Medical Association and is secretary-treasurer of the Minnesota Valley Veterinary Medical Society. He has been mayor of Nicollet for five years, and is presently starting on his sixth. He is also secretary-treasurer of the Nicollet Rural Fire Department.

Ronald B. Hohn '49BS '51 DVM is an instructor in the Department of Veterinary Anatomy at the Uni-

Chicago

New officers were elected at a meeting of the Minnesota Alumni Club of Greater Chicago, held January 15, 1965. Elected president of the group was Marvin D. Juliar '57BA '58MA, Evanston, Illinois. Elgin G. Enabnit, Jr. '49BSEE, Aurora, was named secretary, and Clara Larson '20BS, Chicago, treasurer.

Five vice presidents to take charge of specific areas of the club's activities were also elected. They include Mrs. Shirley Hirschey Strom, Chicago, *scholarship*; Dr. Howard Shepard '23DDS, Chicago, *athletics*; Carl Woie '50BEE, Glenview, *programs*; John Tracy '23BA Chicago, *publicity*; and Molly Koche '27-'28UMD, Chicago, *membership*.

Chairman of the board of directors of the group is George L. Faber '17BA, Chicago. Newly elected directors are Harold W. Pratt '28BSPharm, DesPlaines; Dalton T. Waby '23BSME, Maywood; and Richard Lee Johnson '50BSEE, Cory.

versity of Minnesota. A native of St. Paul, he previously worked for the Blue Cross Animal Hospital in Minneapolis and the Rochester Veterinary Clinic, Rochester, Minn. In addition to doing graduate work toward a degree in veterinary orthopaedic surgery, he serves as secretary of the State Veterinary Examining Board (of which he is a past president) and is a member of the American Association of Boards of Examiners in Veterinary Medicine.

Joseph Glenn '57DVM is a native of Iowa who moved to St. Paul as a teenager. Since receiving his degree from the University of Minnesota, he has practiced as a member of the Waconia Veterinary

WHERE DO YOU STAND?

Shown below are Minnesota Alumni Association membership rankings for the month of February, 1965, by number and percentage of total possible membership in each group

Group	Rank by no.	% of total possible membership	Rank by %
College of Liberal Arts	1	19.1%	9
Education	3	18.5	11
Institute of Technology	2	21.3	7
Medicine	4	38.5	2
Nursing	10	15.6	12
Dentistry	7	36.1	4
Agriculture, Forestry			
Home Economics	6	14.8	12
University of Minnesota, Duluth	8	18.8	10
Business	5	22.7	5
Pharmacy	11	38.0	3
Law	9	22.4	6
Veterinary Medicine	13	43.7	1
Mortuary Science	12	21.0	8

Clinic in Waconia, Minnesota. Married and the father of five children, his community activities in-

clude serving as vice-president of the local Lions Club and membership in a number of professional organizations.

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DENTISTRY

John M. Haubner '56DDS, a native of Carlton, Minn., and son of another dental alumnus - Dr. M. H. Haubner '29DDS - served in the U.S. Army for two years at Schofield Dental Clinic in Hawaii upon his graduation. He now operates a private practice in Duluth, and is a member of the Duluth District Dental Society, Duluth Chamber of Commerce, and the UMD Boosters. He is married and the father of three daughters.

COLLEGE OF LIBERAL ARTS

Joan Keaveney Scott (Mrs. Robert C.) '47BA, a journalism major, worked as a reporter for the Minneapolis Tribune prior to her marriage and the acquisition of two children and an 80 acre farm in Hamel. She presently serves as a member of the Youth Participation Committee of the Governor's Advisory Council on Children and Youth and of the public relations committee of the Greater Minneapolis Girl Scout Council, in addition to working as a political volunteer.

FACULTY RAID

(Continued from page 36)

accomplish a great deal, were the other competitors to stand still in the meantime. But the inflationary spiral is such as to rule out completely the likelihood of such an ideal set of circumstances.

The Regents of the University of Minnesota summed up the problem when they stated in the *Alumni Report* on the University's needs that Minnesota "earned its reputation as a great educational institution by combining quality and quantity, but quality is the real and lasting strength of our University. . . . We must be willing to bear the cost if our University is to continue to give young Minnesotans the advantage in their competition for a place in the world." . . . The increases requested are minimal, and the comparison tables indicate that they are mandatory if we are to reverse the downward trend in the University's standing." □

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ELECTION BALLOT

THE MINNESOTA ALUMNI ASSOCIATION

The accompanying list of 10 candidates is hereby certified as correct. Each association member will vote for no more than five candidates.

Signed

Ray Foley '48BA
Robert B. Gillespie '26BA '28LLB
Waldo Hardell '26BSBus

Irene Kreidberg '30BSBus
Howard Olson '47BS
Charles Judd Ringer '38-'41

Edwin A. Willson '30BEE

BALLOT

- OWEN K. HALLBERG '46BSAg '47MA
Eau Claire, Wisconsin
- HARRY HANSON '26AMS
Minneapolis, Minnesota
- GRANT JOHNSON '38BSEd '46MA
Detroit Lakes, Minnesota
- RICHARD E. KYLE '27LLB
White Bear, Minnesota
- MRS. J. C. LAUGHLIN '34BSEd
St. Cloud, Minnesota
- KENDALL MACHO '32BSP Pharm
St. Paul, Minnesota
- EDWIN A. MARTINI '28BA '30LLB
Duluth, Minnesota
- MRS. ARTHUR NAFTALIN '39BA
Minneapolis, Minnesota
- JAMES G. PETERSON '42BAAero '49MA
Minneapolis, Minnesota
- OTTO W. QUALE '40BAJourn
Owatonna, Minnesota

Signature _____

Address _____

Graduation year or years attended _____

I certify that I am a member of the Minnesota Alumni Association and entitled to vote.

Members Nominating Committee

1. Place an X opposite each person for whom you wish to vote. Do not vote for more than five candidates or your ballot cannot be counted.

2. Sign ballot with full name and initial. Print same. All ballots will be checked against official membership list, and it is important that your name be legible.

3. Clip ballot and send to Executive Director, The Minnesota Alumni Association, 205 Coffman Memorial Union, University of Minnesota, Minneapolis 14, Minnesota. No ballot will be accepted on any other form.

For assured secrecy in submitting ballots, the mailing envelopes may be marked "Ballot" or enclosed within the mailing envelopes in a separate envelope so marked. All envelopes so marked will be opened only by the election tellers.

4. Ballot must be in the office of the Executive Director by May 26 in order to be counted.



CLIP AND MAIL TODAY

AROUND & ABOUT WITH ALUMNI



Whitney '19



Whitney '40



Baston '42



Wetzel '28



Lundquist '34



Miller '40

'19

Richard W. Whitney '19 has retired as executive vice president of The Hanna Mining Company of Cleveland, after 45 years in the iron ore mining industry. He joined Hanna in 1945, serving as general manager of its Minnesota mines until 1956, when he moved to Cleveland and became general manager of all Hanna mining activities. He assumed his present post in 1961. (Photo)

'32

Colonel Helmer A. Holmstrom '32BCE, U.S. Army (Retired), is now associated with Harris, Upham & Company, Kansas City, Missouri, and lives at nearby Quivira Lake.

'34

Forest J. Skogvold '34BBA has been appointed to the new position of manager of creative services in the operational support division of the Equitable Life Assurance Society's Agency Department. He was previously manager of the publications division in the company's Department of Advertising, Publications and Press Relations.

'35

Henry G. Harmon '35 PhD, seventh president of Drake University in Des Moines, Iowa, died October 4, 1964. He had been president of Drake since September, 1941. Born in St. Paul, Minnesota, in 1901, he taught for a year in 1922 as visiting professor of history and English in the Sixth Provincial Normal School.

'36

William P. Smith '36BSEE, '37MS, currently chairman of the electrical engineering department of the University of Kansas, Lawrence, Kansas, has been appointed to the position of Dean of the School of Engineering and Architecture, effective July 1, 1965. He has been at Kansas University since 1950.

'37

Robert M. Trueblood '37BBA, partner in charge of the Chicago office of Touche,

Bailey, Ross & Smart, certified public accountants, is co-author of a new book entitled *Auditing, Management Games, and Accounting Education*. He is a recipient of the University's Outstanding Achievement Award. (Photo)

ALUMNI ELECTED TO CARLTON SOCIETY

Three men, each of whom received at least one of his degrees from the University of Minnesota, have been elected to the 3M Company's Carlton Society.

The society, founded last year to recognize scientific and technical contributions to 3M's growth, is named for the company's fifth president, Richard P. Carlton.

Elected to the society this year were Dr. William Lundquist '34BChE, Dr. Carl S. Miller '40PhD, and Dr. Wilfred W. Wetzel '28BA '33PhD.

Dr. Lundquist, assistant technical director of 3M's Chemical division, was cited for his "application of organic chemistry to such important product developments as pressure-sensitive adhesives, tape backings and plastic film."

Dr. Miller was honored for his "conception and reduction to practice the principle of thermographic office copying and for his dedication to its development as a major product technology." He is senior research specialist for graphic arts in 3M's Central Research laboratories.

Dr. Wetzel was cited for "the technical leadership which established magnetic tape as the world's principal medium for electronic recording and 3M as one of the world's principal suppliers of such tape."

Until his retirement earlier this year, Dr. Wetzel was vice president of the Magnetic Products division. He received the University's Outstanding Achievement Award last year (December, 1963) and from 1937 to 1940 was assistant professor of geophysics at the University.

Six of the 15 men named to the society last year as charter members graduated from Minnesota.

'38

Holton E. Blomgren, '38BA, now a colonel in the U.S. Army and Deputy Assistant Controller of the Army, has been selected to participate in the 47th session of the Advanced Management Program of the Harvard University Graduate School of Business Administration. The 13 week session runs from February 15 to May 14, 1965.

'40

Ambrose G. Whitney '40PhD, assistant to the vice-president of the research division of W. R. Grace & Company, Clarksville, Md., has been named chairman of the American Chemical Society's Council committee on national meetings and divisional activities. The committee is responsible for all policies relating to the operations of the Society's national meetings. He has been a member of the ACS since 1941. (Photo)

'41

Kermit K. Brown '41BA has been named assistant director of the United States Information Agency's Latin American operations. He previously served USIA as an information officer in Colombia and Uruguay and public affairs officer in Bolivia.

'42

Charles W. Baston '42BSAE has been promoted to assistant vice-president-maintenance-Denver of Continental Airlines. He has been director-maintenance-Denver since joining the company in 1963. (Photo)

Byron W. Fellows '42, General Manager-Milk Plants for H. P. Hood and Sons, Charlestown, Mass., has been selected as one of more than 150 business

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and governmental executives to participate in the 47th session of the Advanced Management Program of the Harvard University Graduate School of Business Administration.

'42

Robert A. Hortvet '42BA has been appointed real estate manager for the A. O. Smith Corporation, Milwaukee, Wisconsin, in addition to his post as assistant purchasing agent-facilities. He has held the latter position since 1957.

'43

L. H. Carlson '43BA has been appointed comptroller of The Hanna Mining Company, Cleveland. He was formerly general manager of accounting.

'45

Dr. Einer W. Johnson, Jr. '45MD, a consultant in orthopedic surgery in the Mayo Clinic, has been appointed associate professor in clinical orthopedic surgery in the Mayo Graduate School.

'47

Robert P. Gallagher '47BA, has been appointed corporate marketing-planning coordinator of the Celanese Corporation of America, a new position. He was previously personnel director of Celanese International Company, and has been employed by the company since 1963.

Arnold A. Cohen '47PhD, group manager of applied systems for the Sperry Rand Corporation's UNIVAC Data Proc-

essing Division, St. Paul, has accepted an invitation to serve on a principal policy-making committee of the Institute of Electronic and Electrical Engineers, world's largest professional society in the field of electronic technology. He will become a member of the operating committee of the Technical Activities Board.

(Photo)

'48

Carlton F. Schrader '48BSCE has been appointed manager of quality control at Inland Steel's Indiana Harbor Works, East Chicago, Indiana. He was formerly superintendent of the plant's metallurgi-

cal department, a post he assumed in 1959. A native of St. Paul, he received the Bronze Star and Croix de Guerre during three years' service with the U.S. Army in World War II. (Photo)

'51

J. Robert Harrison '51PhD, former professor and chairman of the biology department of Miami University at Oxford, Ohio, will become Chairman of the Department of Biology at Washington and Jefferson College, Washington, Pa., in September, 1965.

'52

David R. Collis '52BS was one of five

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ALUMNUS OF THE MONTH



JOSEPH GALLO, a 1963 graduate of the University of Minnesota with a bachelor of laws degree, has been named to the legal staff of the Chicago Operations Office of the U.S. Atomic Energy Commission. A native of Brooklyn, New York, Gallo earned his education as a telegraph operator for 12 years with the Great Northern Railway Co. He is a member of Phi Delta Phi, legal fraternity, and the Minnesota Bar Association. He now lives with his wife and two children in Downers Grove, Illinois.

Aerojet-General Corporation managers honored by the Air Force as a result of the company's contribution to the Minuteman ICBM program. Collis received the Air Force's "Commander's Award" for his work as manager of Aerojet's Propulsion Systems Design Division at its Sacramento, California, plant.

'59

David E. Johnson '59BS, has joined the Monsanto Company's Agricultural Division as a sales representative in its Chicago office after serving with Farmers Union Central Exchange at Fargo, North Dakota.

Dr. Allan D. Davidson '59MD, has been appointed a resident in ophthalmology in the Mayo Foundation at Rochester, Minnesota.

'60

Daniel D. Deegan '60BA has been appointed assistant manager of the Minneapolis branch office of Connecticut General Life Insurance Company. He joined the company in 1962 and in 1964 became a staff assistant. He is a member of the company's Vice President's Club for outstanding agents.

Jack D. Westover '60BS, has been named a scientist for engineering in the

process research section of the general research department of the Pillsbury Company, Minneapolis. He was formerly a development engineer for Hercules Powder Company, Harbor Beach, Michigan.

Steven R. Frederickson '60BS has been appointed state representative for The National Foundation-March of Dimes in southern Ohio. Prior to joining the foundation, he was employed by Proctor and Gamble and served in the U.S. Air Force.

Alphonse E. Zanoni '60MS '64PhD, is now an assistant professor of civil engineering in the college of engineering at Marquette University, Milwaukee, Wisconsin.

'61

Timothy B. Jensen '61BS has received a Ph.D. degree in chemical engineering from Princeton University. (Photo)

Peter W. Dowell '61MA, an instructor of English at Emory University, Atlanta, has been promoted to assistant professor.

'62

Muriel S. Brink '62BS has been appointed foods and nutrition specialist with the Michigan State University Cooperative Extension Service. She will develop materials for use in the statewide 4-H Club program.

Merle Sherman '62MA is assistant professor of geography at Florence State College, Florence, Alabama.

Allan R. Paymar '62BA received the President's Award recently at the Illinois College of Optometry, in Chicago. The award is of cash, and is presented annually to the student whose academic record at the end of his first year is the highest in his class.

'63

Dr. Creighton Allen Holstad '63MD has been appointed a resident in internal medicine in the Mayo Foundation at Rochester, Minnesota.

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Carlson '64



Schrader '48

Richard Pierson '63BS is now in San Juan de las Costa, Osorno, Chile, working in the Rural Development Program of the Peace Corps. With him is his wife, the former Gail Forsell '63BS.

Kurt E. Kent '63BA has received a research assistantship for spring semester at the University of Iowa School of Journalism. He is a candidate for the master of arts degree in editorial journalism.

2nd Lt. Ronald C. Sacre '63BA, has been awarded silver wings upon graduation from the U.S. Air Force navigator school at James Connally AFB, Texas.

ALUMNUS OF THE MONTH



MANUEL V. DEL MERCADO, a 1950 graduate of the University of Minnesota with a bachelor of arts degree in journalism, was recently appointed product manager in the Household Products Division of Lever Brothers Company, New York. Prior to joining the company, he was a product manager with S. C. Johnson & Co., Racine, Wisconsin, for two years, and was an account executive for four years with Campbell-Mithun, Inc., a Minneapolis advertising agency. He now lives in Greenwich, Connecticut.

APRIL, 1965

'64

Marlin G. Fried '64BS, Lindstrom, Minn, was one of 39 Peace Corps volunteers who left for Kenya on January 1. They will teach in secondary schools, and are part of the first group of volunteers to serve in the independent East African country.

Charles L. Maas '64BS, has been commissioned a second lieutenant in the U.S. Air Force upon graduation from Officer Training School at Lackland Air Force Base, Texas. He will be assigned to James Connally AFB, Texas, for training as a navigator. (Photo)

Jud Carlson '64BA, a professional service representative of Pfizer Laboratories, a division of Chas. Pfizer & Co., Inc., has completed the company's training session in New York City. He lives in Detroit Lakes, Minnesota. (Photo)



Maas '64



Jensen '61

Richard J. Reynolds '64MA, counselor in the evening and extension division of the Mohawk Valley Community College, Utica, N.Y., discusses improved service to students and reduced costs to the public school district in an article appearing in the latest edition of *Business Education Forum*, the journal of the National Business Education Association. The article is based on research done at the University of Minnesota.

Peter H. Schneeman '64MA has been appointed to the faculty of Kent State University, Ohio. He will serve as an instructor in English.

Richard N. Cardozo '64PhD, a marketing specialist, has become Assistant Professor in the Harvard Graduate School of Business Administration.

Dr. Richard G. Holyroyd '64PhD has been appointed to the staff of the Mayo Clinic, Rochester, Minnesota, as a consulting psychologist in the Section of Psychiatry.

Jacob F. Schaefer '64PhD has joined Monsanto Company's Central Research Department as a senior research chemist. He is a native of Minneapolis.

James E. Sweeney '64BS has had his scholarship at the Illinois College of Optometry renewed for the second semester of the 1964-65 academic year. He will receive the degree of Doctor of Optometry in June, 1967.

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DEATHS

Loren H. Balcom died February 25, 1965, in Edina, Minnesota. Born in Rochester, Minnesota, he graduated from the University in 1948 with a bachelor of arts degree. After working as director of the City of Minneapolis Road Survey, he founded Star Personnel Centers of Minneapolis and St. Paul, of which he was principal owner and president at the time of his death. He was a member of the Minneapolis Athletic Club, American Personnel and Guidance Association, National Employment Board, and was listed in Who's Who in Minnesota and Who's Who in the Midwest.

Joel Archer Fitts, 81, died January 27 in Chicago, Illinois. An electrical engineer, he received a B.S. degree in electrical engineering from the University of Minnesota in 1909, and before his retirement was head of the Electrical Storage Battery Co., a firm for which he has worked for 40 years. He was a life member of the Western Society of Engineers and the American Institute of Electrical Engineers.

Carl W. Hayden '16BA, 72, died in September, 1964, in Barcelona, Spain. A retired vice president of the First National City Bank in New York, he was a past recipient of the Outstanding Achievement Award (1959). His banking career, which began in 1916, carried him to Yokohama, Calcutta, Singapore and the British Isles.

Dr. Lester E. Hurt, chairman of the English department and professor of English at the State University College at Cortland, New York, died Feb. 25 in Syracuse, N.Y. He had first joined the Cortland faculty in 1952 as an instructor, was promoted to assistant professor in 1954, and associate professor in 1957, after receiving his Ph.D. degree in 1956 from the University of Minnesota. He became chairman of the English department in 1963. He was also active as the faculty advisor to the student newspaper, Alpha Delta Sorority, and the senior class of 1956. He was born in 1916 in Paducah, Kentucky.

Walter H. Holleran, 56, died July 16, 1964, in New Orleans of complications following heart surgery. A worsening heart condition had caused him to ask early retirement from Shell Oil Company on June 1, 1964, with death following only a few weeks later. A native of Chicago, he

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ALUMNUS OF THE MONTH



DR. JOHN W. JOSSE, 34, has been appointed professor and head of the department of physiology at Washington University School of Medicine, St. Louis, Mo. Dr. Josse, who received his B.A., B.S., and M.D. degrees from the University of Minnesota, the latter in 1958, has been associated with the School of Medicine since July of 1963. He joined the University after serving as a research associate in biology at the Johns Hopkins University where he studied the amino acid structure of collagen. He took post-graduate training at Massachusetts General Hospital. A member of Phi Beta Kappa, Alpha Omega Alpha (medical scholastic honorary), the American Society for Microbiology and the New York Academy of Sciences, he is married and has three children.

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ALUMNI NEWS

received his bachelor of science degree in mining engineering from the University of Minnesota in 1934. Upon graduating, he joined Shell Oil Company as an oilfield laborer at Iowa, Louisiana, and was promoted to the ranks of Shell's exploitation engineers a year later. In 1953 he was named division production manager at Donaldsonville, and in 1960 moved to New Orleans to handle special assignments on unitization and joint-venture projects. In addition to his professional accomplishments, he received numerous honors as a civic leader, and was a member of the New Orleans Geological Society and the Public Affairs Research Council.

Samuel C. Lind, 86, first dean of the University of Minnesota Institute of Technology, drowned while fishing Feb. 12 near Oak Ridge, Tennessee. Dean Lind, who retired from the University faculty in 1946, was an avid fisherman and had gone fishing off a small island below Norris Dam, but was trapped by rising water when the dam's gates were opened. Lind joined Minnesota's faculty in 1926 as director of the School of Chemistry and became dean when the Institute of Technology was formed in 1935. Upon his retirement, he became senior consultant at the Atomic Energy Commission laboratories in Oak Ridge. A former president of the American Chemical Society and member of the National Academy of Scientists, he once worked with French atomic scientist Madame Eve Curie.

Monica Langtry, 70, a teacher for 43 years on the St. Paul Campus of the University of Minnesota, died September 16, 1964, in Los Angeles. She failed to gain strength after heart surgery late in March. From 1919 until 1960 she was an instructor in the Department of Rhetoric, teaching classes in the School of Agriculture. She also coached debating and was in charge of an annual extemporaneous speaking contest and the Caleb Dorr essay competition. Upon the discontinuance of the School of Agriculture, she was appointed an assistant professor in the College of Agriculture, Forestry and Home Economics, and taught courses in public speaking and freshman communications until her retirement in 1962. A native of Minneapolis, she graduated

from the University in 1919 and was a lifelong resident of the Twin Cities until her retirement.

A. C. Pratt, 90, a retired electrical engineer for the Montana Power Co., died recently in Butte, Montana. An 1899 graduate of the University of Minnesota with a BSEE degree, Pratt enlisted in the Army while a student and served in the Spanish-American War. After graduating, he left for Montana and helped build the original Canyon Ferry hydroelectric plant on the Missouri River near Helena. He also had a part in the development of three other hydroelectric sites on the river, the Hauser, Holter and Ryan plants. He later supervised the construction of a power line to the mines of northern Idaho and was also active in electrifying the Milwaukee Railroad for 400 miles in Montana, and in building the Thompson Falls Project on the Clark Fork of the Columbia River. He won wide professional recognition for hydraulic design and operation, and for his work in electrical transmission design.

Frederick C. Rodda, 83, died September 10, 1963. The son of a Cornish miner, he was clinical professor of pediatrics of the University of Minnesota College of Medical Sciences until his retirement in 1950. During his tenure he contributed significantly to the undergraduate and graduate teaching programs in the University Hospitals and at the Minneapolis General Hospital. He was elected to the American Pediatric Society and the American Academy of Pediatrics.

Ella Joy Rose, a member of the home economics education staff for 31 years, died in Providence, Rhode Island, October 15, 1964, at the age of 73. A native of Westminister, Mass., she was appointed assistant professor of home economics education in 1925, and two years later was made head of teacher training in home economics. In 1942 she was promoted to the rank of associate professor, and in 1944 to full professor. She served as acting director of the School of Home Economics from October 1950 to August 1951. She retired in 1956 because of ill health. She held a Ph.D. degree from Ohio State University, a master of arts degree from the University of Minnesota, and a B.S. degree from Simmons College, Boston. In recognition of her educational work in Minnesota, she received an award for leadership in 1949 from the Minneapolis Star and Tribune.

Dr. Henry Schmitz, 72, former University of Washington president and former dean of the College of Agriculture and Forestry, drowned January 30 while goose hunting at Sequim, Washington. Schmitz was on the University of Minnesota faculty for 27 years. He served as president of the University of Washington from 1952 to 1958, when he was named president emeritus. A native of Seattle, he was also president of the

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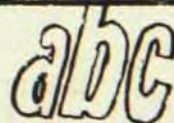
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ALUMNI CLUB NOTES

Spring is just around the corner (we hope) and the management and staff of the Alumni Club look forward to seeing each and every member as the weather improves.

The Club staff would like to again bring to your attention the importance of informing them immediately of any complaints you may have regarding food, service or general attitude of the Club's personnel. This point cannot be stressed too often, since it is the touchstone of your Alumni Club's success. As a member, you may always feel free to take your complaints to Cal Calvert, Club manager, without fear of embarrassment. Your comments will be appreciated and the corrective action necessary is a great deal easier when taken immediately.

Please also remember that the Club's special programs should be a reflection of your interests and desires. If there are any special kinds of programs or activities you would like to see initiated, don't hesitate to call and make suggestions.

April 1, Thursday

Special Buffet Night at the Club. Time: 5:30 to 9:00 p.m. Have a second helping — you're entirely welcome!

April 7, Wednesday

Pan-American Airways to Alaska and then down the West Coast of South America; beautiful color films — fascinating previews of new

places to go for people thinking about a vacation! Films will follow dinner at 8:45 p.m., at no extra charge.

April 8, Thursday

Buffet Night at the Club. Time: 5:30 to 9:00 p.m.

April 12, Monday

The Wines of Italy — choice Italian reds and whites. Special wines from the Bertani vineyards. Tasting begins at 6:30 p.m., followed by dinner.

April 15, Thursday

Buffet Night at the Club. Time: 5:30 to 9:00 p.m.

April 16, Friday

Good Friday. Club will be closed.

April 17, Saturday

Ladies Bridge Luncheon. Lunch at 12:30, bridge following from 1:45 to 4:30 p.m. Price is just \$1.75 per person, including lunch, bridge, and table prizes.

April 22, Thursday

Buffet Night at the Club. Time: 5:30 to 9:00 p.m.

April 23, Friday

Travel to Hong Kong, India and Pakistan via Pan-American Airways. Beautiful colored films of the Far East, a wonderful preview of a "sometime" holiday. Films will be shown after dinner at 8:45 p.m.

April 28, Wednesday

Ladies Bridge Luncheon. Lunch at 12:00 noon, bridge following from 1:15 to 4:30 p.m. Price of \$1.75 per person includes lunch, bridge, and a table prize for each table.

April 29, Thursday

Buffet Night at the Club. Time: 5:30 to 9:00 p.m. Come try our buffet — you'll come often.



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Society of American Foresters for three years while at Minnesota, and for five years was editor-in-chief of the Journal of Forestry. He also served on several federal boards and commissions relating to forestry and agriculture, and in 1953 received the University's Builder of the Name award, given in recognition of outstanding service to the University. A former vice president of the American Association for the Advancement of Science and former president of Gamma Sigma Delta, the national honor society of agriculture, he also was a member of Sigma Xi, Alpha Zeta, Gamma Sigma Delta, and Xi Sigma Phi. He served for many years on the board of the St. Paul Camp Fire Girls and was a former vice president of the St. Paul Botany Club.

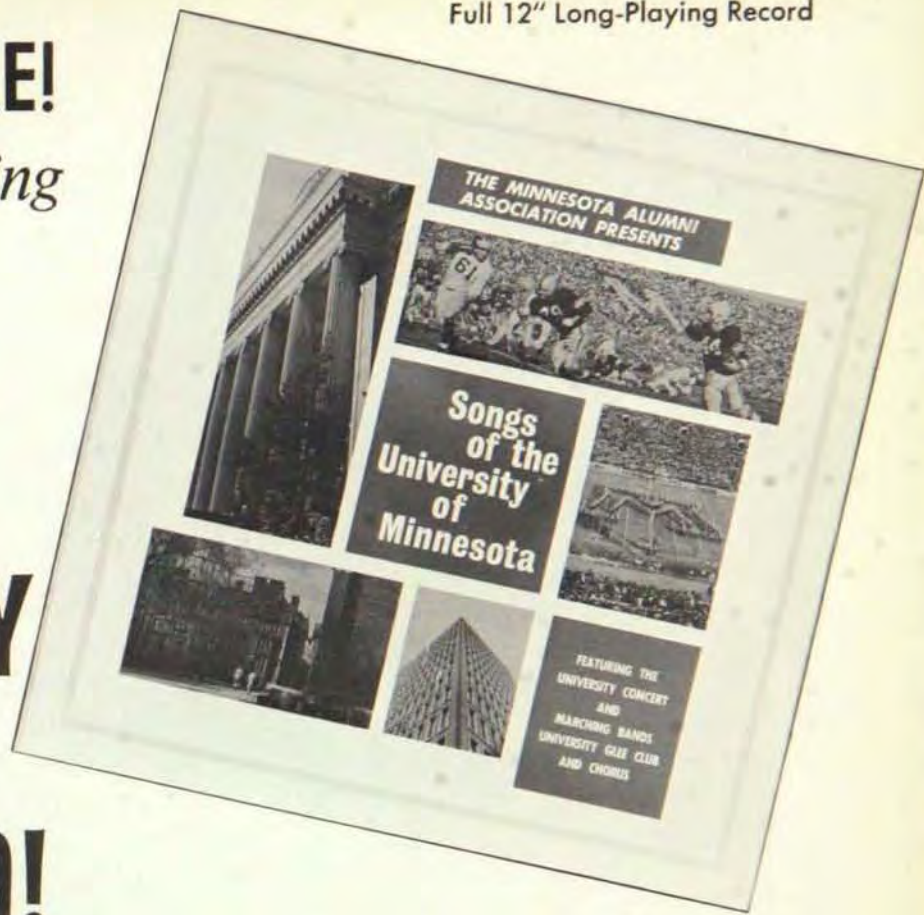
Charles E. Smithe, emeritus professor of pharmacognosy in the College of Pharmacy, died October 16, 1964, in Minneapolis. Educated in England, where he was born in 1883, he joined the staff of the College as a laboratory assistant in

1915. He was promoted to instructor in 1927 and to assistant professor just before his retirement in 1951. In addition to teaching in the pharmacognosy department he developed the photography of medicinal plants and their components to a high degree of excellence. He was presented the Regents' Certificate of Merit for devoted service to the University shortly before his retirement.

Dr. Richard T. Glycer, 81, founder of the Glycer Medical Group in Mountain View, California, and a practicing physician there since 1923, died Dec. 6, 1964, in San Jose. A physician for more than 55 years, he graduated from the University of Minnesota in 1909 with an M.D. degree, and following service in World War I, moved to California and founded the famous medical center which bears his name. He was a member of Phi Beta Pi medical fraternity, the American Legion, Woodmen of the World, American Medical Society, and was a past president of the Mountain View Rotary Club.

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THE UNIVERSITY OF MINNESOTA FOUNDATION was born of alumni vision for and dedication to the University. It is independent of the University, organized on a non-profit basis, with tax deductibility for contributions. Its sole beneficiary is the University of Minnesota. Its direction and resources are under the management of a Board of Trustees of concerned dedicated citizens, largely alumni by design but with constitutional provisions for participation of non-alumni friends of the University. The Foundation's basic purpose is to provide funds to meet certain of these needs of the University for which tax funds are not available. These things are generally concerned with projects or people—or both—essential to the University's continued quest to be of greater service and forever increasing excellence in education.

Its basic supporting purposes are to:

1. Provide a medium through which the efforts of friends of the University may be channelled constructively into special projects and situations under the leadership of a private organization, directed by their own Board of Trustees.
2. Provide the medium through which larger gifts—both annual and occasional—gifts in kind, securities and monies may be sought from selected sources of support.
3. Advise the University and its Regents concerning the University's long-range needs and plans which may be supported by private sources.
4. Assist in interpreting the University's needs, problems and plans to the community, state, region and nation.
5. Enlist national leadership—as well as local and regional—for general support of the University, and for assistance in supporting approved projects.
6. Encourage friends of the University—by appealing to their sense of loyalty and dedication—to become "pioneers in giving" to the Foundation and by so doing become "pioneers in service" to the institution we cherish and respect—The University of Minnesota.



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