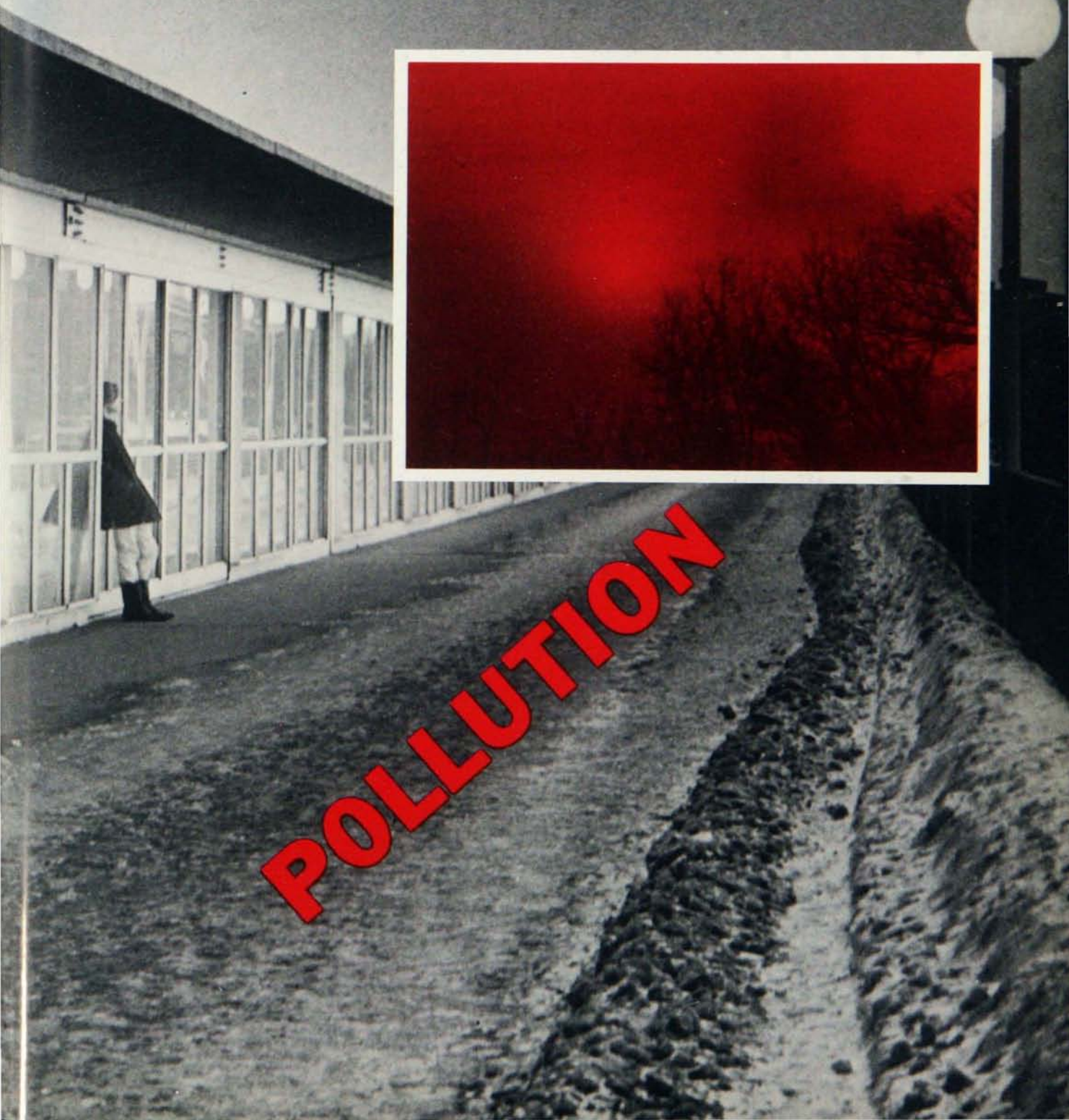


UNIVERSITY OF MINNESOTA
ALUMNI NEWS

1970 MARCH



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DR. ROBERT HOWARD ANNOUNCES PLANS TO LEAVE DEANSHIP OF COLLEGE OF MEDICAL SCIENCES

Dr. Robert B. Howard '42BA '44MB '45MD '52PhD, dean of the University's College of Medical Sciences, recently announced plans to leave his post this summer. Dr. Howard said that he will not be available to head the University's Health Sciences center, should such a position be created.

Howard, who claimed that he is not resigning as dean, said his decision was made in anticipation of the elimination of the College of Medical Sciences, as a distinct group, from the University Health Sciences later this year. Medical Sciences include the schools of Medicine, Nursing and Public Health and University Hospitals.

In January a committee of nationally distinguished health science educators visited the University

campus with the purpose to make proposals to the Board of Regents regarding the reorganization of Health Sciences as a division of the University. The report should be released in February.

Consequently, the Health Sciences are expected to be reorganized this summer and Howard, in effect, declined the opportunity to be considered for the post of University vice president or provost of the Health Sciences. The complex includes the schools of Medicine, Nursing, Public Health and Dentistry; and the colleges of Pharmacy and Veterinary Medicine as well as University Hospitals.

Howard anticipates ending his deanship about July 1 and will then take a year's leave of absence. He feels that individuals should not

hold top administrative posts for an indefinite length of time and that new people should be brought in to fill such positions from time to time.

University President Malcolm Moos accepted Howard's decision with regret, and Vice President for Academic Administration William G. Shepherd called Howard "one of the finest deans we have."

Before being named dean in 1958, Howard was associate professor in the Department of Internal Medicine, director of Continuing Medical Education and associate dean at the University Medical School.

After his year's leave of absence, Howard plans to return to the University's department of internal medicine where he holds a professorship.

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A. C. M. Ahlen '32BA '33MA '42PhD
Minneapolis, Minnesota

ABOUT THE UNIVERSITY'S IMAGE

"The University could do something to improve its image!

"Why FREE? Why an organization to promote a psychological *disease*? I suppose the next move will be some organizations for caprophiliacs and/or nekrophiliacs — both forms of psychic illness.

"The Daily, which as recently as five years ago, was one of the better publications in Minneapolis can *improve* its language. *Information*, Mr. Hovemann should be *informed*, can be conveyed without the use of gutter language.

"Yes, I am old; so will the editor of the Daily become if he lives long enough.

"It is possible to be a critical thinker, an opponent of social injustice and an accurate narrator without accepting an apotheosis of anarchy and *bad manners*."

Fred W. Gellerman, Jr. '68AA
Minneapolis, Minnesota

ABOUT MAA MEMBERSHIP

"I'm writing to apologize for the little response I've given to most of your fine letters during the year. I really appreciated the first year of free membership in the MAA. The magazines I received were very informative and I took advantage of the hospitalization insurance.

"During the past year I have been pretty busy going to school elsewhere and working part-time.

"I would like very much to apply for (MAA) membership in the near future, but I am forced to complete a military obligation, and I'm afraid I wouldn't be in very close touch with the University.

"I would like to apply for membership in March 1974 if at all possible."

Dr. Rodney Powell to Combine U Medical Work with Community

Dr. Rodney Powell, a pediatric intern '61-'62, resident '64-'65 at the University's Medical School and currently director of the Neighborhood Health Center in the Watts district of Los Angeles, California, has been appointed professor of public health and pediatrics at the University. Dr. Powell will

also become area program director for Hennepin County General Hospital's planned satellite neighborhood clinics. He will assume both jobs in mid-March.

For seeing a "new approach to medicine" Dr. Powell will try to coordinate his two jobs. He said that this is an exciting time to come back to the University because the Medical School is in a transitional stage, with reorganization of the

Health Sciences structure expected soon.

Teaching medical students more than the scientific aspects of medicine interests him, especially in courses about man and his community, Dr. Powell said. He sees exciting possibilities in proposed Medical School curriculum changes.

In his work at Pilot City Health Center which is part of the Pilot

OFFICIAL RINGS OF THE UNIVERSITY OF MINNESOTA

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- Women's Dinner Ring
- Women's Miniature
- White Gold

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Powell . . .

City area project in Minneapolis, and eventually in other satellite clinics, Dr. Powell will coordinate the work of the centers and generally plan how to meet health care needs of the poor through a new Hennepin County General Hospital.

Dr. Powell is a nationally-known advocate of resident-influenced neighborhood health care centers, an innovative approach to community medicine for the poor. In December, as an outsider, he was influential in settling a dispute concerning Pilot City Health Center's governance.

The Watts Neighborhood Clinic, which Dr. Powell will soon leave, has pioneered in resident-controlled community medicine. It was established by the University of Southern California after the 1965 and 1966 racial riots in the Watts section of Los Angeles. The clinic is now funded directly by the U.S. Department of Health, Education and Welfare.

U Law School Senior To Serve Warren Burger

University Law School senior Allan A. Ryan has been appointed a clerk in the office of U.S. Supreme Court Justice Warren Burger for one year, beginning July 1, 1970.

"We consider this a singular honor for Mr. Ryan and for the Law School," said William B. Lockhart, dean of the School. "He is one of a select few from the University who have received this honor."

Each year approximately 20 law school seniors from throughout the United States are selected to serve as clerks in the Supreme Court. Six are chosen to serve the chief justice.

A 1966 graduate of Dartmouth College, Ryan taught American government in a New Orleans, Louisiana, high school for one year before enrolling in the University's Law School. He is president of the Minnesota Law Review this year.



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THE UNIVERSITY OF MINNESOTA ALUMNI NEWS

(Our 69th Year)

MARCH, 1970 · VOL. 69, NO. 7

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ON THE COVER: Pollution, evident every morning with the sunrise on the University campus, has become a serious problem, affecting our air, our water, our land and our lives. Read about it in this issue.

Mary Lou Aurell '62BAJourn Editor
 Edwin L. Haislet '31BSEd '33MA '37EdD Managing Editor

Second class postage paid at Minneapolis, Minn., under Act of Congress of March 3, 1879. Annual dues of the Association are \$10 of which \$8 constitutes a year's subscription to the Alumni News. Subscription for non-alumni: \$10 per year. National advertising representatives: American Alumni Magazines, New York, N.Y. Publisher: Minnesota Alumni Association, 205 Coffman Union, University of Minnesota, Minneapolis, Minnesota 55455.

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, 55455. Member of the American Alumni Council.

POINTS of VIEW

ED HAISLET
Executive Director



Figures for the annual giving of alumni to the Alumni Fund for the calendar year 1969 show a drop both in amount received and number of donors. Overall, however, 14,393 alumni gave \$1,321,582.26, to the University, a record to be proud of.

	Donors	Amount
Alumni Fund	10,840	\$249,029.41
Special Projects Program	493	20,549.50
Law School Fund and Scholarship Program	735	117,815.00
Medical Foundation	1,500	37,500.00
U of M Foundation*	77	638,132.00
Regents	748	258,556.36
<u>Totals</u>	<u>14,393</u>	<u>\$1,321,582.26</u>

* Includes only alumni donors — pledges are not included.

The Alumni Fund raised \$249,029.41, down \$66,420.02 or 21 percent from a year ago. Subtracting the \$100,000 bequest received last year, the alumni annual giving program actually showed a \$33,580 increase.

The total number of gifts for 1969 was 10,840, down 1,439 or a 11.71 percent decrease. The only reason apparent is dissatisfaction about student happenings on college campuses everywhere.

The per capita gift dropped from \$25.69 in 1968 to \$22.97 in 1969. Likewise alumni participation went from 12.52 percent in 1968 to 10.84 percent in 1969.

The number of donors has grown rapidly the last six years — but the actual percentage of those participating is still very small. In 1969, 10.84 percent participated with a per capita gift of \$22.97. As to what to give we suggest a gift of a minimum of \$1.00 per year for each year out of the University. If out one year — give a dollar, if out ten years give \$10, if out 35 years give \$35 — and so on. Many alumni are now following this plan. It is a very modest plan, well within the grasp of all alumni. While our number of donors is not great, with just a few more, Minnesota could join the honor role of the top ten universities in the country as regards number of donors.

The 10 schools with the greatest number of donors are:

31,129	Ohio State University
28,895	University of Michigan
17,489	Texas A & M University
16,177	University of Tennessee
15,217	University of Illinois
15,000	Indiana University
12,693	University of Kansas
12,243	University of Cincinnati
11,886	Penn State University
10,840	University of Minnesota

When it comes to the amount given by alumni to the annual fund —
Minnesota has a way to go yet —

\$1,751,467	Ohio State University
1,265,261	University of Michigan
877,363	Purdue University
775,718	Indiana University
757,921	Penn State University
694,793	University of Illinois
619,968	University of Virginia
504,749	University of Wisconsin
490,580	University of Kansas
462,619	Texas A & M
249,029	University of Minnesota

As regards total gifts by alumni — Minnesota is very close to being in the top 10.

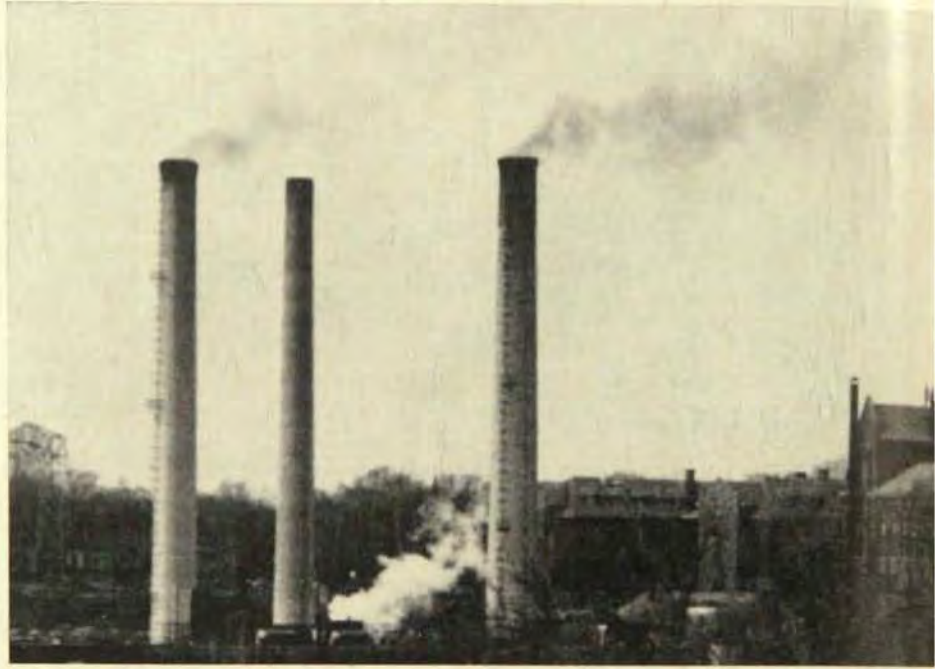
\$5,840,707	University of Illinois
3,582,404	University of Michigan
3,340,971	University of Delaware
3,182,126	Rutgers University
2,580,691	University of Wisconsin
2,061,618	University of Virginia
1,751,467	Ohio State University
1,702,006	University of California
1,388,404	University of Kansas
1,311,540	Iowa State University
\$1,321,582	University of Minnesota

Last year (1969) — rather than sending out a brochure to each college group concerning their own college projects, a single combined piece was mailed which listed all the various projects of the Alumni Fund. In this way the number of appeals to each alumnus was cut down while at the same time the alumnus could give to the project of his choice. The only other mailing sent out was in support of the Freshman Scholarship Program. Also a mailing was made to the 15 classes, from 1920 through 1935. So at most, alumni received only two requests for funds.

To all of you who gave to one of the projects of the Alumni Fund, our sincere thanks and appreciation.

Ed Havelle

POLLUTION



Man's inhumanity to himself and his environment . . . slowly destroying a nation's resources and health



YOUR AUTOMOBILE is a major producer of air pollutants: from America's 80 million plus automobiles come more than one-half of all of our atmospheric wastes. The fumes that spew from your car's exhaust pipe are a complicated mixture of poisons, created because the internal combustion engine cannot burn all of the fuel that it receives. These fumes are packed with a danger that can become worse when, on a warm day, the sun shines on the mixture of hydrocarbons and nitrogen dioxide creating new and even more harmful products — ozone and the eye-burning compound called PAN. This complex chemical interaction results in smog. And though large diesel- or gasoline-powered trucks and buses also add to the problem, automobiles and light trucks are the major offenders simply because they constitute approximately 95 percent of all vehicles on our roadways.



THIS BIG, BLACK HUMP IN THE MISSISSIPPI, below the Third Avenue bridge, was first thought by many Twin Citians to be a coal pile, but what resembles a black monster rising out of the river is in fact a monster: the snow and ice poured by city snow removal equipment into the river, to eventually melt and disperse its collection of streetlitter and chemical wastes into the waters that serve as a source of drinking supplies for a number of Minnesota communities.

THE AMOUNT OF WASTES poured daily into our air throughout the United States is almost unbelievable — 390,000 tons every 24 hours. These wastes come from hundreds of different pollutants and millions of different sources of pollution. America's chimneys and factories pour sulfur compounds into the air, as the stacks from the University's heating plant can be seen doing on the opposite page. Wherever large amounts of heavy fuel oil and coal are burned, tons of sulfur oxide pollutes the air we breath and increases in amount as fuel consumption increases. The sulfur compound not only damages many things around us — crops, certain flowers and trees, buildings and statues — but, most of all, is a hazard to our own health. **COMMON WATER POLLUTION**, left middle, has been photographed recently at Minnesota's Lake Minnetonka. Tires and tin cans litter a lakeshore that has become an eyesore. And its water? Rapidly being contaminated by human "garbage" that is making it unfit for swimming and as a drinking water source.

LAND POLLUTION, left bottom, is all around us. It not only affects us visually, but also as to land useage. This rubble, the discarded remains of building demolition on the Mississippi River near the University, has rendered an area of land useless through its presence. And though it may eventually disintegrate and go back into the soil, the chemical decomposition of its ingredients may cause irreparable harm to the land on which it lies.



AGENT DIPTERA

Two-Winged Sanitizer For A Polluted World

FLIES – the two-winged insects of the order *Diptera* – populate the world. Between 60,000-85,000 species have been counted by scientists who discover more each time they study a particular group, projecting an incalculable number of individual flies.

Man – the two-legged creature of the species *Homo sapiens* – also populates the world. Men are not as numerous as flies. But man's numbers are known as he pollutes the world.

At the same time that man has been busy spoiling his environment with pollutant wastes, and probably for the same number of years, he has been swatting, spraying and shooing the two-winged insects.

George Rauenhorst thinks man should stop.

If we reached into basic intelligence to gain from innovation and experimentation, we might soon call flies the world's sanitizers – instead of destroying the creatures that could clean up our environment, Rauenhorst recently told the Alumni News.

Flies – the world's sanitizers?

To most of us this is a questionable idea. But to the Olivia (Minnesota) farmer and University of Minnesota regent the idea has a soundness being

proved through ongoing experimentation. For the past two years an associate professor of avian science at Colorado State University has successfully investigated the utilization of chicken manure – normally called a pollutant waste – as a viable by-product in our agricultural production.

This world-sanitizer concept became known because a small community of 500 needed an economic answer to its waste disposal problems. Cosmos, Minnesota, is faced with the construction of a control system that could bankrupt it.

Senator Stanley Holmquist, majority leader of the Minnesota Senate, is concerned about Cosmos and its future. As he sought possible solutions to Cosmos' problem, one innovative alternative, that as yet has not been tried on a large-scale, was suggested by George Rauenhorst who recalled the Colorado State University associate professor's work.

Professor Bryan Miller has found a workable method involving the "seeding" of chicken manure with flies' eggs that develop to reduce the "waste material" to useful fertilizer components while they themselves grow into a high protein fed supplement. The

National Institute of Health has been backing Miller's project with grant aid.

For these two men — and possibly for us — the inherent scavenger capabilities of the common housefly could very well be the solution to one of the major world pollution problems.

Modern agribusiness and technology continue to produce, in alarming amounts, so-called wastes that we spread throughout our environment as pollutants. We use garbage for land fill in developing our static acreage — and today's dump is covered from our eyes and minds by newly contaminated soil and, eventually, deep water supplies.

Our modern disposal systems pour raw sludge, another pollutant waste, through culverts into our rivers, lakes and streams, with no heed for the health of a dwindling water supply. A study by the Army Corps of Engineers, released in early February, revealed that the dumping of sewage sludge from 19 metropolitan New York waste-treatment plants into the ocean waters outside New York Harbor has destroyed all sea life for miles around the dumping point.

Yet other pollutant wastes have reached our ground water through the sometimes indiscriminate use of fertilizers, herbicides, fungicides and pesticides on farm land that have seeped nitrates into the ground water and poisoned infant children. Southern Minnesota families have known this death that comes from wells fed with nitrate-contaminated ground water, even though the surrounding soil has yet to reveal fully its pollution from an overdose of chemicals.

As modern technology has continued to destroy our land, our water and our air, Rauenhorst has re-named it "modern killology".

Yet he is optimistic — and able to look, as a man concerned with people and their needs, at a spoiled environment and to search for ways that neither create nor destroy, but use and re-use wisely what our environment offers to us. With such conviction, Rauenhorst asks us to abandon the words "waste" and "disposal" and use instead the term "by-product utilization".

The fly can be one of many agents to help us make

this ecologically-wise transition, if we employ this common insect to turn garbage, sludge, manure or other pollutant "wastes" into useful by-products.



CHALLENGING, plausible facts on the use of flies as pollution control agents, not only for the recycling of chicken manure but for other "wastes" as well, have been revealed through research.

"The large quantities of sludge that as yet our modern waste disposal systems produce and accumulate have become a tremendous pollution problem. Still we continue to dump it into our water, onto our land and eventually into our air to act as a pollutant rather than to process it in such a way that we can make use of its source of plant nutrients for fertilizer while at the same time producing a high-protein feed supplement for chickens and other animals," Rauenhorst said.

"A large feed lot has, because of its over-rich nitrate land area, been blamed for polluting air that in turn polluted a lake two miles away. The air picked up the nitrates from the land and redeposited them in the water.

"If this same sludge, instead of being piled up, is 'seeded' with fly eggs (larvae), the developing fly — as a maggot — will feed on the organic materials in the waste, reduce it, and turn a sticky mass of unspent energy into a more-concentrated fertilizer by-product that can be beneficial for the land it originally came from."

As the maggots burrow and feed, they convert sticky sludge to an easily-handled granular material while reducing its moisture content by about 60 percent, its organic substance by about 80 percent and its dry matter over 50 percent.

For example, 2000 pounds of raw sludge from sewage plants contains 1500 pounds of water and 500 pounds of solids. If that same 2000 pounds is cultured, or "seeded" with fly larvae, research shows that the mass is reduced to 840 pounds — 560 pounds of water, 240 pounds of solids and 40 pounds of pupae (the intermediary development stage of the fly between larval maggots and adulthood).

The maggots burn up, as energy, the organic materials of sludge during their burrowing and

*All flesh is grass
All grass is waste
Life is but a race—
Blade to blade—in haste*

—George Rauenhorst

feeding, as well as permeating the mass with oxygen thus eliminating odor. The granulated substance that results when they cease feeding and are removed, is easily dehydrated to remove the remaining moisture content.

The flies stop feeding on waste when they reach the pupae stage in their life-cycle, and become dormant. It is at this time that the flies can be separated from the granular mass and killed. Consequently, the insect does not reach adulthood (flies as we know them) — that stage of its development when it can transport disease organisms.

The maggots reduce what was once called waste material into a by-product that is extremely high in many of the trace elements lacking in many commercial fertilizers today: manganese, copper, zinc and iron. A valuable, useable fertilizer comes from this reuse of sludge.

And the flies' usefulness does not end with their death as pupae. After they are killed through a pasteurization process, the pupae can become a feed supplement — particularly valuable because of their high quality protein base due to amino acid content. Miller's work shows that at death the pupae are 60 percent protein, 10 percent fat and 12 percent ash.

"Experimental rations with fly pupae, corn, vitamins and minerals have out-performed commercially accepted balanced rations for broiler chickens from 10 to 20 percent," the regent said.

"We should remember that without flies, song birds can't sing. Song birds cannot raise their young on weed seeds alone. The parent birds must feed them maggots, pupae, worms or some equally high protein supplement, or they will not survive."



MODERN technology will have to take a big step with human and animal resources to make the fly a full-scale world sanitizer. Rauenhorst is the first to admit this. However, a developmental physical plant to handle the operation is being contemplated, and the farmer may build a "model" fly control unit on his own land.

A similar, but larger, physical unit, financed through private industry or local governments may

TECHNOLOGY

The babbling brook
The river's crook
Beautiful to see
Nature's fantasy
Fish nibble
Moss numble
Air Treas
Water trans
Place to romp
Waste to dump
Decisions be
Our decree
Place to swim
Future dim

—George Rauenhorst

aid in solving our sludge problems as well as garbage problems. Fresh sludge, as it is currently produced by our waste disposal systems from sewage and garbage, is heavy to handle and difficult to dry.

However, if it is put through a fly control center, it appears that the sludge can be quickly, economically — and sanitarily — processed.

Once inside the center building, the sludge might be confined in fly-tight structures to keep wild flies out, until it is moved, mechanically, onto a conveyor system simultaneously with fly maggots that may be automatically "seeded" along the waist or center of the conveyor. That section of the conveyor holding the sludge and maggots could be enclosed, not only to minimize human contact with the waste material but also to maximize control of the environment under which the maggots feed.

The greater the heat intensity the developing flies encounter in their feeding process, the faster they mature to the pupae stage. At a room temperature of 72 degrees, larval digestion of sludge takes about seven days. By raising the temperature in the enclosed conveyor, digestion time might be cut to four or five days.

At the end of the specifically-timed conveyor system, the reduced, granular material may be automatically separated from the sludge by-product through a variety of mechanically imposed conditions. Once the separation is complete, the pupae could be moved to a vat to be pasteurized and readied for shipment as

being packed for shipment as fertilizer. This fertilizer would have a probable commercial value of \$5.00 a ton, and the flies as feed supplement of \$5.00 additional per ton of raw sludge.

Just as the conveyor processing of sludge might be continual or cyclical, so might the production of the working maggots within the center. Such a center could provide a self-sustaining environment for its world sanitizers.

The common housefly, with its rapid generation time, completes its life-cycle in seven days or less under controlled conditions. Sealed cages in the center might house specially-developed adult breeder flies that are disease-free to control the presence of pathogens. A single adult breeder produces approximately 200 eggs or larvae a day and up to 1000 the first week, that she could deposit, along with the others of her species, in the sludge feed that is in the cage. The fly cages need not be large; one pound of waste material will sustain the eggs from 1,200 flies.

Because of the number produced, the fly eggs could be "gathered" two to four times daily from the cages, probably automatically, and transferred to the conveyor system for "seeding". Each time the eggs are "gathered," a new supply of raw sludge could be fed into the fly cages. The breeder flies should be replaced once a week after having completed the most productive period in their life-cycle.



GEORGE Rauenhorst believes that agriculture, the most basic of basic civilization's arts, has shown strong research and capability in dollar production, clearly displaying "battle of the bulge" tactics. Yet Rauenhorst is a man dedicated to improving the life and living in rural areas, and is outspoken in his struggle.

The farmer recently built a "space-age" barn on his land that utilizes waste animal heat from foul air exhaust. The heat exchanger is activated by solar energy for the wintering of cattle in confinement feeding quarters. This construction was a \$60,000 gamble that worked. Its major purpose is tied closely with that of the fly control project. The barn was built, with the help and encouragement of Rauenhorst's sons, to alleviate pollution of earth, air, streams and lakes.

MARCH, 1970

"We wanted to point the way to an economic anti-pollution structure," the regent said.

"If the farmer can economically process or dehydrate "used grain" — what we call manure — and use it to grow another crop of grain, *all people* will gain *economically* in the end.

"But the agribusiness systems of today make pollution profitable."

Rauenhorst sees himself penalized, through greatly increased property taxes, for building an anti-pollution structure while other profit-oriented farmers all over the country dump heavy applications of chemical fertilizers, herbicides and pesticides onto the land, using farm practices that destroy both land and environment.

"These practices are not taxed, and in effect the farmer is rewarded for destructive ways . . .

"While the chemicals are applied that destroy the land, water and air, manure — the valuable by-product of the feeding industry — is regarded as waste."

Rauenhorst does not regard manure, nor sludge, nor garbage, as waste. His innovative feeding and anti-pollution barn for cattle is reality. His new plans to utilize flies and other organisms to recycle wastes are part of his continuous pursuit of methods to deal with the growing problems of environmental abuse. And, if these plans are realized on a large scale, the pollution control measures and resultant by-product utilization could well spread fellowship throughout a polluted world as growing populations realize the use of their countries' resources to satisfy and supplement human needs.

Perhaps you think that George Rauenhorst's ideas and views are controversial . . . he would agree. But, then so are Ralph Nader's and Rachel Carson's.

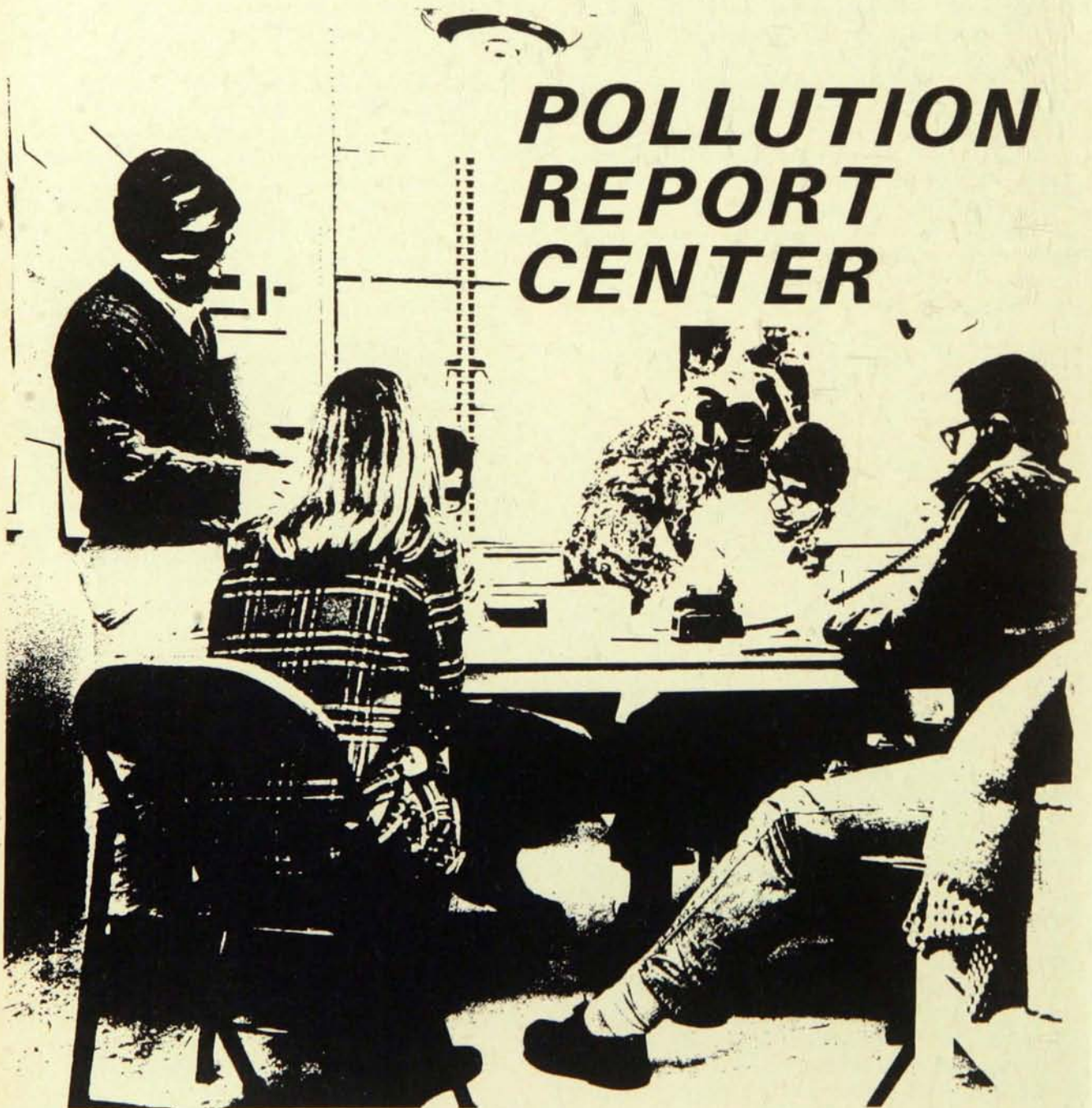
MY CREED OF LOVE

*Heirs good earth forever pure productive be saved
When an idoled income has not you and me
enslaved*

*Teach not "heritage of guilt," true values profane
Give stern hope so no just cause approach in vain
Thanks to the past for its earned honor due
To this honor take heed that I no damage do
Have lasting joy in no act or deed unclean
Steal not this joy, our misery by all be seen
I live not a willful lie in selfish covet
For children's happiness I live, I love it*

—George Rauenhorst

POLLUTION REPORT CENTER



A student volunteer run-in Pollution Report Center (PRC) opened in the University's Coffman Union on January 26 to add encouragement to public involvement in the nation-wide Environmental Teach-In scheduled for April 22.

The Center's functions include —

- The receipt and investigation by PRC volunteers of pollution reports.
- Collection of pollution reports in order to build files for use in informing lawmakers and the public of current environmental violations. Information gathered will be presented at the April Teach-In, and lists of pollution offenders will be published by the Center.

- Working with Students for Environmental Defense to create a "Polluter of the Month" award. Although the form of the award has yet to be determined, it will be presented to the individual, company, institution or industry creating the most pollution in a month.

- Serving as an information center for people with questions about pollution laws, controls and effects. Pamphlets and reprints on various forms of pollution, city pollution ordinances, available speakers on pollution topics and bibliographies of printed matter concerned with pollution can be obtained at the Center.

- Providing "pollution complaint cards" to interested persons so that polluters may be reported to the Center by mail.

Karim Ahmed, co-chairman of the Environmental Teach-In committee whose 50 student members staff PRC, said that the Center receives 20 to 25 complaints and questions each day. Most questioners ask for general information, like what is the best way to dispose of garbage, or what kind of detergent is the least polluting. PRC has a roster of qualified personnel from the University available to answer questions as they arise. The Center's telephone number is 373-0342.

The University itself is often reported as a pollution offender by callers, Ahmed said. Smokestacks and dormitory incinerators are cited in the student complaints.

The Center also receives its share of crank callers complaining about such things as "mind pollution" by newspapers.

"We listen to them. They're just letting off steam," Ahmed, a research assistant in the University's department of laboratory medicine, said.

For those just seeking basic general information about pollution, the Environmental Research and Information Center (ERIC), an offshoot of PRC, has also opened. Many high

school students doing term papers, among others, often visit the second Center's basement location in the Southeast Branch Library, 1222 Southeast Fourth Street. To accommodate their requests, ERIC has organized a library solely on pollution information. Many of the books, reports, magazines and pamphlets were obtained from the Minnesota Pollution Control Agency.

Following through on pollution complaints by taking effective action to end them is the hardest part of PRC's job, Ahmed said. The Center has no way to punish polluters, but PRC reports are reaching interested lawmakers, alerting the legislators to pollution problems and perhaps starting some legislative action on controls.

Tom Griffin, the other co-chairman of the Teach-In committee, said that the activities of the University's Festival of Life Week, of which the Teach-In will be the highlight, are just the beginnings of the student attention which will be given to environmental issues. Bringing environmental matters to public attention, and offering proposals to legislators that are workable and that can be translated into political action are the aims of the Festival of Life Week. Griffin said that the allocation of the nation's monetary resources is one of the main considerations to be brought before lawmakers.

The Teach-In is an attempt, Griffin continued, to find "the highest common denominator of the people interested in problems of the environment, and to see how much 'ecological conscience' the community has."

The Teach-In is an attempt, he said to "move from nowhere to somewhere."

The pollution issue is not the only goal involvement of PRC. "It is a lifestyle that we are attacking," Griffin said. "Environmental issues are a variation on the anti-war movement. Both the war and pollution are destroying our world.

"We are trying to get at the middle American way of life. These people are mostly too patriotic to be against the war, but this (the environmental issue) is something that directly affects them — pretty soon they won't be able

(Continued on page 38)

THE FOCUS IS

INTERNATIONAL

IN HOME ECONOMICS

"The climate of the times is international. More people are traveling, and even those who do not travel outside of the United States are having increasing opportunity to meet people from other countries.

"If our students and faculty are to be adequately prepared to function, not only as professionals working with various aspects of family concerns, but also as informed citizens, we need to incorporate more emphasis of an intercultural-international nature in the programs and activities of our School of Home Economics." — Dr. Louise Stedman, director of the School of Home Economics

THIS educational thrust outlined by the University's director of the School of Home Economics is a logical one during a period when greater numbers of our nation's student population are rapidly achieving world citizenry.

It is even more logical when you consider the professional emphasis in home economics.

Home economics is long past the stage of major emphasis on homemaking skills. Its study, based on an understanding of the balance between man's nature as a social being and his relation to his immediate physical environment, requires a greater knowledge of the vast panoply of cultural patterns in the world and how they affect the values and actions of people, and an increased sensitivity to the needs of cultural minorities here and abroad.

Without such cultural understanding, the home economist of the future may be unable to act upon her capabilities to add man's flesh to his food selections, eating patterns, clothing, shelter, child rearing and family-interaction patterns.

The University has long been a participant in contract projects abroad. It is regrettable that the School of Home Economics has not had the opportunity to be included in major projects. In many of foreign developing countries, along with increased production there is a serious need to improve family living in the areas of nutrition, housing and child care.

Despite this, the School of Home Economics has worked to apply its faculty, student and community resources to intercultural-international responsibilities. Since the summer of 1968, when the School launched a year-long program that focused on international re-

lationships in home economics, it has made tremendous strides in this area that are almost phenomenal when one considers their funding and insufficient time for research.

Much of the School's success is due to a faculty who is willing to spend their energies and often their own money in research abroad while on leaves of absence or attending to professional duties. They have been building an international program through individual contacts, while at the same time gaining instructional information that benefits classroom work.

Dr. Stedman, for one, has traveled in selected countries throughout the world — countries that often are the homelands of foreign students attending the University — so that she might assess the educational backgrounds of these students and what opportunities await them when they return. Many of the contacts that she has made in the Philippines, Japan, Pakistan, Korea, India, Greece and Taiwan were with foreign students who had studied in the School of Home Economics and now work in a variety of home economist positions in their countries, as well as with American professionals abroad on special assignment.

The knowledge that she has gained on the training and work of the home economist abroad convinced her of the need for increased intercultural-international programming at the University that would involve both the native and the foreign student.

Other members of the School's faculty who had traveled and researched overseas also recognized this need. The international aspects they were able to give their teaching needed to be focused. The International Home Economists Congress was growing and reaching throughout the world. Professional and nonprofessional community groups showed continual international interest and support for the School.

The Phi Upsilon Omicron Twin Cities alumnae were bringing foreign students to the University campus and supporting them. Over a period of 7 years, they also sponsored a series of inter-cultural seminars on nutrition and child care, taught by competent instructors, to the wives of foreign men studying at Minnesota.

The Home Economists in Business (HEIBs) helped a Danish student, interested in the home economist's role in business, gain experience with a local milling company. After she returned to Denmark, the young



THE THREE PRIME MOVERS of the University's School of Home Economics focus in intercultural-international involvement are, from the left, Dr. Margaret Doyle, associate professor in nutrition and food services; Dr. Louise Stedman, dean of the School; Dr. Gertrude Esteros, professor and chairman of the related rat division of the School. Drs. Doyle and Esteros have served as chairman of the current bag-lunch seminar program. Currently Dr. Doyle is on leave studying nutrition in Central and South America while at the same time seeking international involvement for her students. This coming summer Dr. Esteros will take her class in housing problems of the community abroad.

woman continued to work with business groups as well as maintained her contact with the Minnesota company.

The Minnesota Home Economists Association traditionally invites foreign students to their state meetings so they might know the "flavor" of professional groups.

As the American students have gained more and more contact with their foreign classmates, their interests to work, to teach, to travel abroad have increased.

The School of Home Economics acted to develop a strong program, through a proposal for a year's study, 1968-69, in home economics intercultural-international involvement, that was funded into reality by the University's Office of International Programs. Drs. Gertrude Esteros and Margaret Doyle served as co-chairman of the project.

The study opened with a summer seminar directed by Dr. Dorothy Lee, noted cultural anthropologist, on the cultural differences and similarities between groups within the United States and other societies. Home economics faculty and graduate students attended intensive workshop sessions during a 10-day period that increased their awareness of the intercultural-international aspects they should bring to their classroom teaching.

The second phase of the year's study was an October-November series of lectures, seminars and study sessions for University faculty and students as well as professional and nonprofessionals from the larger community who were concerned with the well-being of families. Outstanding visiting scholars from throughout the world participated in the sessions.

A leading expert on nutrition in India, Dr. Rajamal Devadas, from the Home Science College, Coimbatore, India, was the featured guest during the October meetings. She not only talked about family nutrition programs in India, but also the changing roles of women and interpersonal relationships in the families and communities of different cultures, and their implications for international understanding, nutrition research and extension programs.

Mrs. Jean Audrey Wight, former Food and Agriculture Organization home economist and currently supervisor of home economics programs in 21 Latin American countries, joined Dr. Devadas to discuss food and family living in India and South America.

The November sessions, which extended into Africa, Europe and American minority groups, emphasized housing and family values. Melbourne University's Grietje van Randen, former head of the Housing Division of the Institute of Home Economics, Agri-



TWO SCHOOL OF HOME ECONOMICS FOREIGN STUDENTS are seen above admiring a display of foreign handcraft in the School's facilities. Caroline Opene, at left, is a graduate student from Biafra who came to the University two years ago with two of her country-women to pursue graduate work after they could not return to their country. Both she, and Misako Higa, right, a Japanese graduate student, have worked in the School's bag-lunch seminar program.

cultural University, Wageningen, Netherlands, as well as noted American home economists and Minnesota foreign students lead the meetings.

These fall gatherings permeated the community, the campus and the students as a sizeable number of interested people turned out to hear the speakers, attend classes and talk with foreign visitors and students.

The final phase of the year's study was the preparation and publication of a special report on the intercultural-international focus in home economics at the University. The report was prepared by visiting consultant Kathleen Rhodes, professor of Home Economics Education at New York State College of Home Economics, Cornell University.

"We thought that we should put together something concrete to show the results of our program," Dr. Stedman told the Alumni News. The report is not only concrete, but enlightening as well, and is serving as a firm basis for the growth of the School's international programming.

The report clearly shows the avenues that home economics' teaching, research and service enterprises should follow to achieve stronger intercultural-international focus. And several of its recommendations have already been realized in the School.

During the current academic year, Monday noon bag-lunch seminars are held at the School that offer foreign programs presented by University staff and students. "Since we do not have the money to bring people in to speak, we are making use of our campus personnel," Dr. Stedman said.

Some of the presentations have included Dr. Donald Bender, who spent a year in Nigeria on a National Science Foundation grant, speaking on American Women, Equality and Freedom; Homa Amir-Fazli, an Iranian on the University staff, speaking on conditions in Iran as they relate to women; and talks by Biafran Caroline Opene and Japanese Misako Higo on the families' and women's positions in their countries.

The School has also introduced new internationally-oriented course work and has established machinery to fulfill the requests of both faculty and students for an equivalent of a quarter's work in international study.

Two School of Home Economics students went, this winter quarter, to Dr. Devadas' college in India to study. Both were involved in last year's international programs. Both are living in college quarters and each received \$500 from Phi Upsilon Omicron for assistance on travel expenses.

Dr. Gertrude Esteros, professor and chairman of the related art division of the School, has developed a new course in housing that she had prepared for during a quarter's leave of absence when she traveled in Iran, India and Japan to study selected housing examples. This summer she plans to take her class abroad to study housing problems of the community in Helsinki, Copenhagen and London. The class is not funded; individuals enrolling in it are paying their own way.

Dr. Doyle, associate professor in nutrition and food services, is currently on leave to study nutrition in Central and South America, as well as to seek international involvement for her students. Through her personal contacts, she hopes to discover feasible student projects abroad.

Yet a third member of the School's faculty, who is working on a regional project that she feels she can extend internationally, plans to study clothing in South America in the near future.

In the Twin Cities community, other professional groups such as Home Economists in Homemaking and the Minnesota Nutrition Council support the School of Home Economics in its international efforts, while Minnesota alumnae working abroad are forming plans for University student participation in international home economics workshops.

The School of Home Economics, through individual initiative and the determination to achieve a needed intercultural-international program despite certain obstacles, is extending the opportunities for its students to study foreign cultures on campus and overseas while maintaining a strong liaison with its foreign students and community supporters.

Football, that sport which requires perfection of the body and dexterity of the mind, that pastime which reigns supreme, that recreation which is the youngest of the greater major athletics, is played by the "Giants of the North" with skill and sportsmanship that is unsurpassed.

THE ALL-TIME GOPHER TEAM

SNOW and ice have covered the gridiron arenas of Big Ten Football since it began its one hundredth year of sports spectacular in 1969. Yet, as the cover is beginning to melt, alumni and the fans' memories of those first hundred years are yet strong, though their minds are thinking ahead to the 1970 season that will open the second hundred years of collegiate football.

As part of the commemoration of that first one hundred years of intercollegiate rivalry, alumni and friends of the Big Ten schools balloted, individually, to choose their All-Time Team and All-Time Great Football Player.

The University of Minnesota's ballots have been counted, cast by Minnesota alumni and fans of the Maroon and Gold from the Atlantic to the Pacific coasts of the United States. And the Alumni News is proud to announce the All-Time Gopher Football Team and the All-Time Great Gopher Football Player for those first one-hundred years of sports' competition — as you have chosen them.

Ballots were made available by the University of Minnesota Alumni News, University football programs and the *Rochester (Minnesota) Post-Bulletin*, edited by alumnus Charles H. Withers '49BA Journ.

The Golden Gopher players who made the All-Time line-up span almost two decades of excitement and color on the Minnesota gridiron.

And some of the alumni voters could not resist commenting on their ballots:

"(I) have seen all of the above (list of Minnesota consensus All-Americans) play except McGovern and Baston."

"I will have to slight the lads from 1909 to 1916, before my time! Have seen games since 1923."

"The All-Time Great is impossible to choose!"

"Please let me add the name of Bernie Bierman to coach this (All-Time) team."

"Good Lord, man, no one can leave Bobby Marshall out at end!"

The tally for the All-Time Great Gopher Player was over-whelmingly for the "Nag". And alumni commented that he could "play any position superlatively" or "was best at fullback."

Another said that if he "had a choice for second All-Time Great, it would be Johnny McGovern."

Yet another alumnus said of a defensive tackle

who ranked third as the selection for the All-Time Great Gopher Player — "Bobby Bell made Minnesota defense exciting."

A Minnesota alumnus known for his vast play-by-play knowledge of Gopher Football throughout years of competition and one who has authored books on the Golden Gophers, wrote:

"There should be some sort of award for a guy like Pug Lund. He didn't have the tools to be a great kicker or passer, but performed those jobs well along with his great power running and tremendous competitive spirit. As the player who played up to every bit of his potential and talents, there was none greater."

And he added that the "greatest Gopher team has to be the 1934 Gophers."

An outstanding Minnesota player was among those who voted.

Clarence "Biggie" Munn, 1931 All-American guard and currently coach of the East Lansing Michigan State Big Ten team, not only is noted as a player during his collegiate years — showing the versatile talents of an excellent offensive guard, team punter and strong passer — but also as a Hall of Fame coach carrying Coach of the Year honors.

Munn's ballot for the All-Time Gopher Team named Baston and Larson at ends; Munn, Widseth, Nomellini, Tonnemaker and Wildung as linemen; and Nagurski, Lund, Daley and Franck at the back positions. Nagurski was Munn's choice as the All-Time Great Gopher Player.

Along with two other Minnesotans, "Biggie" Munn was named to the *Football News* All-Time All-American Team in 1969. The second Golden Gopher was Ed Widseth, 1936 All-American tackle, of whom *Football News* said:

". . . he quickly caught the eyes of the (Minnesota) coaches. It wasn't so much that he weighed over 230 pounds and was extremely strong; it was his very quick start and unusual speed for his size. As a sophomore, he immediately moved in as a strong first tackle across from Phil Bengston, present Green Bay Packer coach, and along with All-American guard Bill Bevan and All-American end Butch Larson.

"This was the 1934 team, considered the greatest in Minnesota history, and still nationally refer-

red to as about the most powerful team ever on the field. The following year, he and fellow tackle Dick Smith, both made consensus All-American, the only time one team dominated the tackle position in one year. These were the peak years of coach Bernie Bierman and his Golden Gophers. The team hadn't lost since 1932."

And the final Minnesotan named to the *Football News* All-Time Team was — inevitably — Bronko Nagurski:

"It cannot be said of many men of sports that their names became a part of our American language, but this can be said of Bronko Nagurski. Even today, 40 years after his collegiate career and 26 after his last Chicago Bears game, his name is used to mean colossal strength, inhuman power and reckless propulsion, a Neanderthal animism against mere Cro-magnons. When some scribe writes about the legends of this game, he will devote chapters to this man. Even today, in his mid-60's, he is a huge hulk, neckless, with long sinewy arms and meathooks of hands . . ."

The "Nag's" honors have been many, throughout his sports career, and after his retirement. He is not only the All-Time Great Gopher Football Player, but also won a position on the All-Time Gopher Football Team.

Your All-Time Gopher Football Team — as you chose the players — includes in its line-up, and showing their years of play for the University of Minnesota, is:

End	Frank (Butch) Larson	1932-33-34
End	Bert Baston	1914-15-16
Lineman	Bronko Nagurski	1927-28-29
Lineman	Leo Nomellini	1946-47-48-49
Lineman	Bobby Bell	1960-61-62
Lineman	Clayton Tonnemaker	1946-47-48-49
Lineman	Ed Widseth	1934-35-36
*Back	Bruce Smith (deceased)	1939-40-41
Back	Paul Giel	1951-52-53
Back	Francis (Pug) Lund	1932-33-34
Back	Herb Joesting (deceased)	1925-26-27

All-Time Great Gopher Football Player — *Bronko Nagurski*.

According to the balloting, the second team would include, at the end positions, Aaron Brown and Ray King; at the lineman slots, Carl Eller, Clarence (Biggie) Munn, Bud Wilkinson, Dick Wildung and Tom Brown; at back positions, George Franck, Johnny McGovern, Bronko Nagurski and Sandy Stephens. There was a tie between Bruce Smith and Paul Giel as first runner-ups for All-Time Great Gopher Player.

They are all men, who one Minnesota alumnus wrote, "could play two or more positions in the All-American style!"



ALL-TIME GREAT GOPHER FOOTBALL PLAYER Bronko Nagurski is said to have been discovered by Minnesota Coach Doc Spears when he lost his way in the country and stopped to ask a farm boy for directions. After that boy pointed the way with his plow, Spears brought him to the University.

Bronko was not strictly a fullback. In his three years at Minnesota he played end, fullback on offense and tackle on defense. His reputation was greatest for his tackle play and he reached All-American status in that position. One of the All-American selections during his collegiate years put him at both tackle and fullback on a 10-man team — the first and only time any player was honored in this way.

His two greatest games are said to have been against Notre Dame in 1927 and Wisconsin in 1928.

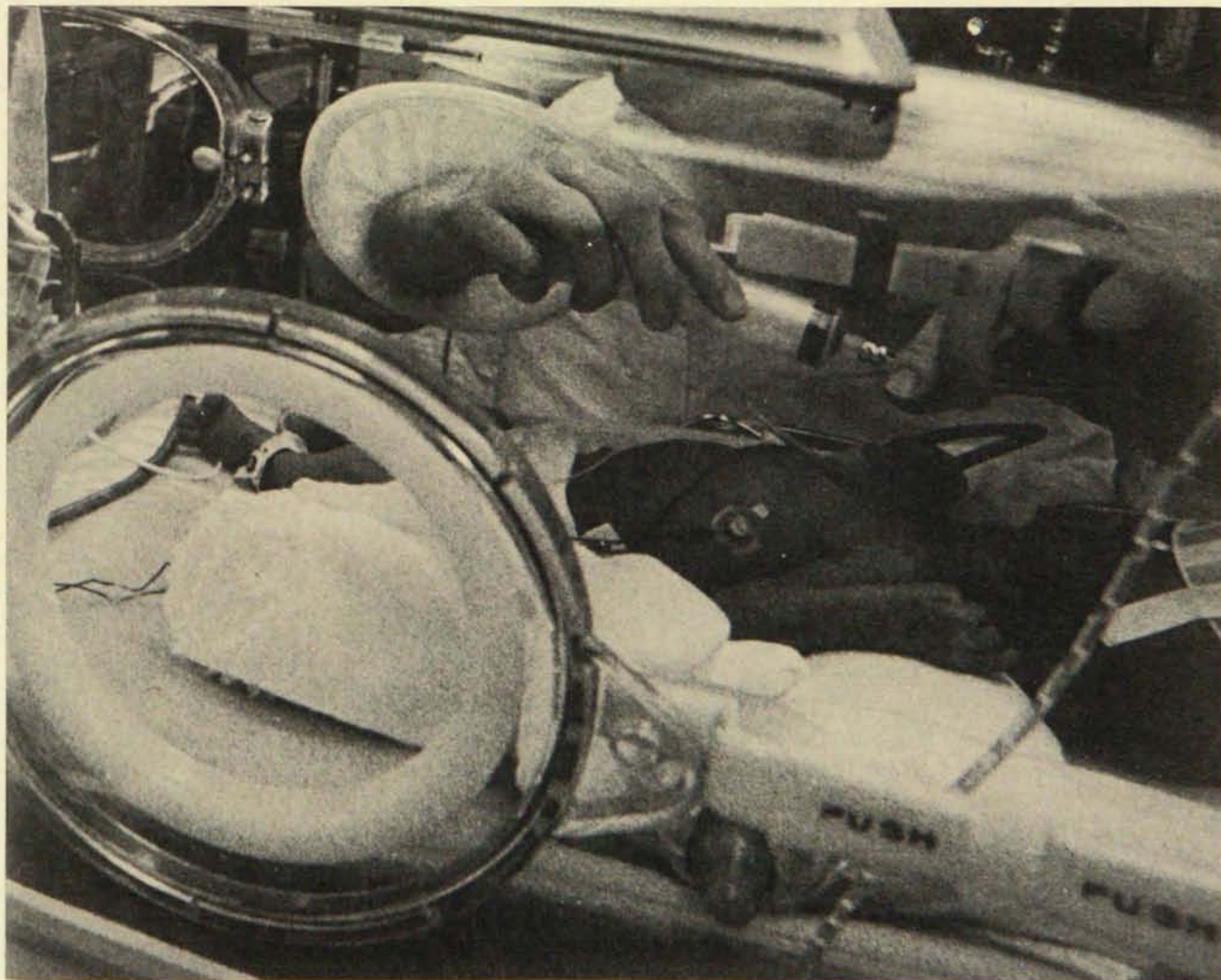
Bronko hit the Notre Dame fullback so hard in the 1927 game that he fumbled the ball. Minnesota recovered, and three plays later passed for a touchdown and eventual 7-7 tie.

In the 1928 Madison contest Bronko started at fullback against the Badgers despite the two fractured vertebrae he had suffered in a game the week before. He carried the ball five out of six times from the Badger 17-yard line to lead the Gophers to a 6-0 win that cost Wisconsin the championship. And, on defense, Bronko knocked down a pass in the end zone that would have tied the score for Wisconsin, if not given them the victory.

Said to be the only professional played who ran his own interference, Bronko achieved instant fame as fullback for the Chicago Bears and was the most feared inside runner in the pro game.

Infant care to save more lives

THE UNIVERSITY'S department of pediatrics recently "christened" an intensive care ward that will use innovative methods and equipment to provide the best possible care to critically ill infants. Here a nurse cares for a baby housed in an incubator that reproduces the environment of the mother's womb.





TUBES FROM AN oxygen humidifier hang in the foreground of a maze of medical equipment used in the pediatric intensive care unit. Infant care technicians are being trained on-the-job to operate the equipment and to help ease the nursing shortage.

A ward specially designed to treat infants with life-threatening diseases and those born prematurely opened at University Hospitals in February. This pediatrics intensive care unit, equipped with a computer monitoring system that watches patients 24 hours a day, has innovations which make it unique in the nation.

Dr. Carl Hunt, the unit's head physician said that there has been no infant intensive care facility in the entire state of significant size until now. The University's unit has been designed to provide both high quality and a high quantity of care for babies born before term or who have heart and lung diseases, he said.

Dedicated to this purpose, the intensive care staff provides the acutely ill infant with the most modern care, in addition to receiving constant education in caring for these children while providing a base for infant care research.

One entire pediatrics ward was torn apart and converted to form the intensive care unit at a cost of about \$115,000.

Most of the University Hospitals' money was spent on "things that would directly benefit the patient, rather than put into things like beautiful walls," Dr. Henry Sauls, assistant professor of pediatrics and unit planner, said.

Utilizing the new medical equipment available on the ward, surgeons and pediatricians work together to save the lives of children who are "essentially dead at the time of admission," Dr. Scott Benson, a pediatric resident physician who works on the ward, said. But the complex panoply of new machines is always and only a modern medical aid and not a substitute for the doctors and nurses.

Numerous conferences were held with trained intensive care nurses to gear their efforts in the unit to the greatest efficiency in medical and nursing care. Dr. Benson noted that a major advantage of the new unit is its continuity of care, that is, having one individual entirely responsible for the program of patient care and the training of interns and residents in such care.

The University's intensive care section for infants is the first in the nation to utilize computer monitoring of vital functions — a program designed to ease the nurses' workload and free them for the constancy of more demanding chores. The computer is a developmental tool, monitoring the infant patient's heartbeat, blood pressure and other vital signs from bedside units. It has yet to be utilized to its full medical capabilities; but when the computer is, it will provide minute-by-minute accounts of the patient's prior physical condition and vital signs, as well as scheduling patient medication on the basis of doctors' programming.

Another "first" in the intensive care unit is the use of overhead ceiling columns that store equipment

for blood transfusions and general medical care that would otherwise take up valuable floor space when not in use, Dr. Sauls said.

Even the wall color of the ward, which is off-white, was specially selected to prevent the illusion of skin color change. Special lighting was also installed for the same reason.

Indoor-outdoor carpeting in blue-green, covers the floors in the patient care area of the unit. The carpeting not only reduces the noise level and provides a better walking surface for a busy staff, but is also easier to keep clean than more common tile floors. Consequently, the ward is more sanitary.

All the young patients kept on this ward need around-the-clock care — and the presence of an on-duty physician at all times, nurse Rita Korman said. A special bedroom for doctors was built into the ward so that they are always on the premises. The infants' condition can often change suddenly, Mrs. Korman said, and there is not always time to call and wait for a doctor to come.

Several conference rooms that are used for student class facilities or in which physicians talk to the parents of children on the ward, are also part of the unit. And, as the unit gets more patients, more and more of its space will be turned over to patient care facilities, Mrs. Korman said.

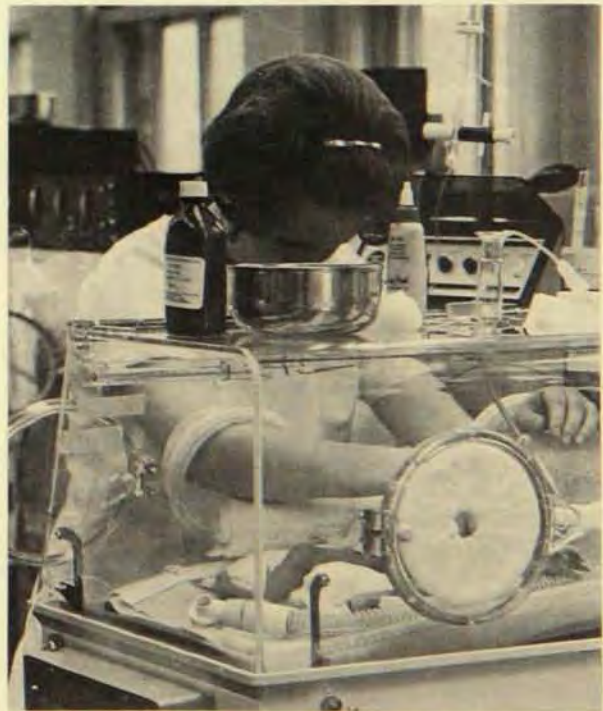
Despite its futuristic concepts, the University's new pediatrics intensive care unit must function under-staffed. The ideal nurse-to-patient ratio for this ward is one to two, but presently only 10 patients can be accommodated at this level. The ward's capacity is 18 to 20 patients.

Dr. Hunt said that although this staff shortage is part of a nation-wide nurse deficit, a new health profession may originate from the shortage. University Hospitals will be among the first to train "infant care technicians" — personnel qualified to take over some of the routine work of the registered and practical nurses, such as taking pulses and blood pressures with the modern equipment used in the infant ward. An on-the-job training program for the technicians should gradually ease the staff shortage, leaving more time for the nurses to provide patients with specialized medical care.

A big problem faced by planners of the new unit was how to let out-state physicians know about the advanced facilities. Other departments in the Medical School have sent staff members out into the state to educate doctors on the latest techniques of patient care, and the pediatrics department may also do so to solve its problem, Dr. Hunt said.

"What we would like to do is go out to the various community hospitals that are interested in having us come. We would like to talk about problems of newborns, how to handle the initial care of the sick newborn, and talk about when would be the appropriate time to transfer these babies to a referral center such as ours."

CEILING COLUMNS CONTAIN equipment necessary for the intensive care unit's operation. A ratio of two patients for every nurse is desirable for optimal patient care. The staff is highly trained and constantly busy keeping watch over their tiny patients, as seen above.



SURROUNDED BY EQUIPMENT, an intensive care unit staff member cares for a premature baby. Infants are handled as little as possible to keep from overtaxing their limited strength.

Medical Microscope Fund Boosted By St. Paul Ramsey Medical Foundation



DR. HUGH MONAHAN, past president of the University's Medical Alumni Association and on the "staff" of the St. Paul Ramsey Foundation, accepted a check for \$5,000 in behalf of the Medical Microscope Fund from Roger Miles, executive director of the St. Paul Ramsey Medical Educational Research Foundation.

WHEN a student begins his medical studies at the University, or any other school, he is confronted with one major bill after another. One of the largest of these is some \$600 he must find in his pocket for a microscope.

The student may use the microscope for two years, and then dispose of it, or he may keep it. However, it has been estimated that less than 10 percent of today's practicing physicians still use the microscopes they had as students.

To help ease this financial burden on the freshman-sophomore medical student, the University's Medical Alumni Association began a special project — the Medical Microscope Fund — in an effort to raise approximately \$200,000 to provide a supply of good-quality microscopes for needy medical students.

This same University group had just finished the construction of the \$100,000 University Hospitals' medical student addyteum when they decided to launch the Medical Microscope Fund.

The response to their work with the student addyteum had been so strong from state physicians that they didn't want to let it lapse; so the alumni sought a worthwhile project that would continue their previous student-orientation. Response to the Microscope Fund, when it was announced, was instantaneous and tremendous, from the alumni membership, from individual physicians throughout the state and from private organizations.

One private organization, closely allied with the state's growing health sciences program as well as that of the University, is the St. Paul Ramsey Medical Educational Research Foundation. The Foundation gave the Microscope Fund a big boost with a check for \$5,000 — enough for the purchase of 10 scopes.

The St. Paul Ramsey Foundation is interested in the Microscope Fund because they are interested in medical education, and "putting our money where it will do the most good, in our opinion," according to Executive Director Roger Miles.

An objective of the Foundation is to aid individuals seeking a medical education. Their substantial donation to the Microscope Fund underlined this objective.

Though housed in the new St. Paul Ramsey Hospital, this Foundation is not a branch of the institution which is one of the University's teaching hospitals, but is a separate entity, joined in purpose with a hospital to enrich and provoke medical research and educational programs. The Foundation was incorporated in December 1966, and operated on a small-scale with funds from the Heart Association, personal donations and memorials, until January 1968.

Today the Foundation reaches into a number of health fields, in its efforts to meet the needs of all the physicians who have come together to participate in its work. The Foundation's staff includes 40 full-time physicians showing a large variety of

medical interests, as well as an additional 150-200 part-time personnel who participate through the organization in some manner, in hospital or Foundation programs. About 75 to 80 individuals form the core working group of the Foundation, and it is their council and wishes that guide and prompt action.

The majority of the Foundation's funding come from the practice of medicine — the physicians who participate full-time are affiliated with the Foundation through contractual arrangement to work in its group practice of medicine — and local health and government granting sources.

The latter agencies, such as the Heart Association or the American Cancer Society, have asked the St. Paul Ramsey Foundation to work on some particular aspect of research, providing necessary funding for such work. The National Institute of Health has also given monies to the Foundation for specific research.

Although St. Paul Ramsey Hospital may house the physicians involved in research activities, and thus be considered the principal site of investigation, many of these medical men hold appointments not only at St. Paul Ramsey, but also at the University and other hospitals. They consequently use the research laboratories and more sophisticated facilities at the University and other research sites for their work.

The Foundation does not emphasize any particular area of research nor does it have a "pet project"; rather, it is involved in a number of research activities and will listen to anyone coming to it "with a better mouse-trap wanting support," according to Miles.

"We are in a position now, that if our participating physicians got together in a new project which they promoted enthusiastically, they would probably get more of our attention than someone else. However, there would be no rank bias, because the members of our administrative committee have a very broad orientation and represent well the medical differences among all of our participants — from those physicians involved in medical departments, private practice, teaching on all levels or research."

The voluntary work of both the research and administrative committees of the Foundation has maintained a balance in its projects, and the research committee, in a very real sense, enlarges the administrative committee.

Thirty-six Foundation participants sit on the research committee, including hospital workers. The committee solicits applications from anyone interested in pursuing a project that is related to

medicine: from doctors, dieticians, nurses or workers in a hospital laundry. Although the St. Paul Ramsey Hospital staff has an inside track to the Foundation because of its headquarters in the hospital building, the research committee has always been affable to outside projects.

Research requests come into the committee that reviews that them, ranks them as to research importance and then forwards them to the administrative committee.

The administrative committee, charged with the day-to-day management of the Foundation and comprised of five elected representatives of the total participant group, allocates funding for research projects and passes their recommendations on to the Foundation's board of trustees for final review.

If the Foundation is sounded for support of an educational or outside project, such as the University's Medical Microscope Fund, the administrative committee handles the initial request. This committee also acted on the support of the University's disadvantaged medical student program. In total agreement with the University's educational concept, the Foundation today supports an individual pre-medical student with the additional funds he has requested for his education.

The St. Paul Ramsey Medical Educational Research Foundation benefits, consequently, not only its headquarters hospital, but also the University, the state and the nation through its research and educational work.

It has sponsored a series of seminars showing a broad approach to post-graduate medicine that involved people from Baylor University, Georgetown University and Harvard as well as the University of Minnesota. And the Foundation has reached into allied health fields with funding for pilot studies in new fields of allied health care, as well as pre-medical and medical training.

Through its aggressive group of participating physicians, the Foundation has achieved vigorous growth in the past two years, despite the dry-up of federal funding that has held it back from work in on-going projects. In most of its pilot programs, it has served as a fiscal agent, "seeding" money into a single project rather than continuing programs in medical health.

Yet its dedication to on-going support is seen in its donation to the University's Medical Microscope Fund and its work with disadvantaged medical students.

The Medical Microscope Fund, as of January 1970, had purchased 37 microscopes and showed a total

(Continued on page 29)



**RUN HARDER,
MIKAN!
HARDER!**

**DAVE
SHAMA'S / GOPHER
TALES**

The first time I met Gopher center Larry Mikan I was suspicious. He had this image as a spoiled kid.

His dad was Mr. Basketball and George saw to it that Larry never went hungry. Hunger pangs were as foreign to him as speed must have been to Mary Baker Eddy.

His first two seasons at the University Larry wheeled around campus in a fancy sports car and might as well have been on a racing scholarship for his contribution to Gopher basketball.

Then came a man named Bill Fitch to coach Gopher basketball. Bill Fitch knows about hunger pangs, he knows nothing about sports cars.

He took one look at Mikan and knew there

ALUMNI NEWS

was going to be trouble. He also knew that he had a great player if Larry would play with the desire of a boy from Fitch's side of the tracks.

Last year was Mikan's junior season in eligibility, but in reality he was only a freshman. He was to learn that Fitch expects 100 percent effort for three hours on the basketball floor seven days a week.

At first he didn't get an hour. "Mikan!" Fitch would scream. "Move, Larry," he would implore.

The yelling was so loud that it's rumored President Moos had to close his door in Morrill Hall.

At times Mikan closed his, too. He would sulk and wonder why Fitch picked on him.

Fitch had an answer.

"Because Larry Mikan could be as great as any of the outstanding basketball players of the 1960's. The Bill Bradleys, Cazzie Russells, etc. Larry could play with them."

It hasn't been easy on Fitch or Mikan, but the transition of the Gopher center into a truly top player is unfolding. You won't read of Mikan making any all-American teams and he may not be all-Big Ten, but Fitch knows he has something special.

"I'd be a fool to tell you Mikan is as good as he's going to be," he said, "but right now he's the most underrated pro prospect in the country. He has all the physical ability to be an outstanding pro. He can be as good as he wants to be."

That's a lot of compliment, but the facts bear Fitch out. Mikan has led the Big Ten in rebounding for most of the year and averaged over 17 points per game.

At 6-8 there are few college or pro forwards who have his quickness and jumping ability.

"His mobility and agility allow him to do things that George never thought of," Fitch said.

And so it must be as Fitch says, as far as he wants to go. I know that he wants to be a great player.

Four years later I no longer regard him with suspicion. He's a nice person who has learned that there are such things as wood sheds and scolding individuals. And when used properly they can make for better people and players.

"I know that at times I've pouted some in games and practice," Mikan said. "But I do care about the team and improving my game. I want to make it in pro basketball. I think I can."

Whether or not he does will be a reflection on how much he's changed. He's come far enough now so that no one should doubt that he could do it.

"Larry's made progress," Fitch said. "I can say he's a competitor. I couldn't always say that."

Chalk up another racing car driver missing. This one, however, wasn't lost, he was saved.

MEDICAL MICROSCOPES . . .

of \$11,139.10 in its treasury. The only cost to the student receiving the use of a Fund microscope for two years is \$25 — for maintenance and cleaning at the end of his term of use.

Both students and supporting physicians and organizations have benefitted from participation in the Medical Microscope Fund. The donors have responded vigorously because they identify with the tremendous costs of a medical education, being medical men themselves, and the students are enthusiastic and grateful, as shown in the letters that they continually write to the donors whose names are affixed to the microscopes.

The need for funding the Microscope Fund will be even greater in the future, with the advent of the disadvantaged medical student program, the projected increase in the numbers of doctors needed to fulfill the demands of the state's health care needs, and with the wear and tear on the original microscopes purchased.

The University and the state have always been strongly medically-oriented; legislative support proves this. The Medical Microscope Fund is well worth supporting, as evidenced by the St. Paul Ramsey Medical Educational Research Foundation's aid.

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SCHOLARSHIP BENEFIT HAS RECORD SUCCESS



MRS. JEAN LeVANDER KING
Daughter of Minnesota's Governor

The University's Alumnae Club brought the color, sounds and brightness of Spain to 410 alumnae and guests at their Seventh Annual Champagne Tea and Fashion Revue on February 7 in downtown Minneapolis.

Fashions by Roy H. Bjorkman highlighted the congenial benefit for the Alumnae Scholarship Fund for Freshman Women, and emphasized the Minnesota Alumni Association's March tour to Spanish Mallorca.

The models — faculty wives, alumnae and escorts — displayed with verve and smiles Bjorkman's color panorama of Pantsomania, Globe Trotting Fashions, Summer-time, Goodlooking Clothes, Party Time and Fabulous Furs, and Lie-mandt's "mod" fashions for men.

Mrs. Malcolm Moos, wife of the University president, and Mrs. James Reeves, wife of the assistant dean for student affairs, represented the faculty wives as models for the event. Alumnae models included Mrs. Betty Barnhart Clapp, 1952 Minneapolis Aquatennial Queen; Mrs. Sue Kumpf Cox, TV personality and model; Mrs. Jean LeVander King, daughter of Minnesota's Governor LeVander; Mrs. LeVerne Getchell Lindstrom; Miss Ann M. Pattee; Mrs. Jevne Hultgren Pen-nock, wife of MAA board member; Mrs. Jeannette Ridlon Picard, MAA board member and OAA winner; Mrs. Jean Sampson Rus-hay, president of the Medical Tech-nology Alumni Association; Mrs. Marcia Haislet Swanson, wife of the General College Alumni Association president and daughter of the MAA executive director; Mrs. Ann Hustad Watson, wife of the MAA president and daughter of a past MAA president, Arthur Hustad.

Waldo E. Hardell, MAA past president, and Jeffrey R. Wright,

1970 Minnesota football captain, were the male escorts.

Among the many special tables reserved for the event was that for Alumnae past presidents. Dr. Lillian Fink, Mrs. May Findley, Miss Cecilia Nelson, Miss Carolyn Anderson, Mrs. Marian Arling, Miss Irene Kreidberg, Mrs. Zoe Cosgrove, Mrs. Violet Graf and Miss Virginia Bechtol, were all present for the gala afternoon.

MAA Executive Director Ed Haislet hosted a men's table that included University President Malcolm Moos, University Vice President Stanley J. Wenberg, MAA

(Continued on page 38)



MRS. ANN HUSTAD WATSON
Wife of MAA President and
daughter of past MAA President

THE UNIVERSITY

Family Practice Department Seeks Supply of "Normal" Patients

A proposal for supplying "normal" patients to the University's fledgling department of family practice and community health was discussed recently by the Board of Regents.

The problem of finding a supply of patients exists at the U because the majority of patients referred to University Hospitals for treatment have unusual diseases or complications, requiring the specialized knowledge of the Hospitals' highly trained physicians. In the department of family practice, the prospective doctors need to work with a more normal patient group to prepare for becoming family physicians in outstate, rural areas and small towns.

Two options have been presented to the Regents as possibilities for securing patients, with equal effort to be given to both:

(1) The standard fee-for-service program, whereby patients who enroll pay regular fees for whatever services and treatment they require, using their present insurance to repay those expenses;

(2) Prepaid group insurance for individuals or families, who would then receive all their medical services at the University's Health Sciences Center. This option, called the Minnesota Family Health Plan, would be offered through several insurance companies to employees of business firms. It would include preventive medical care such as immunizations and physical exams, and out-patient treatment as well as hospitalization at University Hospitals.

Approximately 100 individuals or family units should be confronted by every family-practice resident serving at the University's Health Sciences Center.

In addition to the standard individual/family units, the department also hopes to enroll members from over-65 members of the families in the basic population group, residents of nearby housing for the elderly, and new members of the University faculty after July 11. The first two groups presumably would be covered by Medicare/Medicaid, whereas the last group could choose either of the options.

Center for Youth Studies Established

A Youth Development Center has been established at the University that will make existing information about youth available and understandable for those who work with young people.

The center, which does not have financial support as yet, is a division of the Center for Urban and Regional Affairs (CURA). Under the directorship of Professor Gisela Konopka, coordinator for CURA and a special assistant to Vice President for Student Affairs Paul Cashman, it will serve to bring together knowledge and skills from various disciplines relating to youth.

In efforts to develop the center, as a "reservoir of knowledge" about youth, University faculty members, students in youth fields and community leaders have been meeting for nearly two years. The dialogues from the group's sessions will be published and widely distributed.

"The response from those in the community and University who want to contribute has been overwhelming," Mrs. Konopka said. "We all feel there is a definite need for in-service training for youth leaders working in the field today.



MRS. JEANNETTE RIDLON PICCARD
MAA Board member and OAA winner



MRS. MALCOLM MOOS
Wife of University President

A PIECE OF MINNESOTA THAT FLEW TO THE MOON IS PRESENTED TO SPACE SCIENCE CENTER



UNIVERSITY PRESIDENT Malcolm Moos, University Space Science Center Director Laurence J. Cahill, Jr., former Vice President Hubert H. Humphrey and Assistant Space Science Center Director Trygve A. Holl, stand together to admire the Apollo 12 medallion after its presentation to the University. **A CLOSE-UP OF THE MEDALLION** can be seen at the left.



A half-dollar-sized piece of Minnesota that flew to the moon in the hip pocket of Astronaut Charles "Pete" Conrad, Jr., aboard the Apollo 12 flight last November has been returned to the University for permanent display.

Before the Apollo 12 mission "Pete" Conrad asked former Vice President Hubert Humphrey if there was anything he would like to send to the moon. Conrad and Humphrey had been friends since Humphrey's work as chairman of the National Space Council.

After Humphrey joked that "there were a couple of people he could think of right off hand," he later decided to send something from the University, and — appropriately — its Space Science Center.

That something became a half-dollar-sized medallion made in the shops section of the University's Center. The front of the medallion carries a likeness of the Regents' seal and the words, "Space Science Center" and "Apollo 12 Moon Flight." The back reads, "This medallion was carried by Astronaut

ALUMNI NEWS

Charles Conrad, Jr., on the Apollo 12 Moon Flight on November 1969 at the request of former Vice President Hubert H. Humphrey on behalf of the Space Science Center of the University of Minnesota."

In an informal ceremony February 17 at the Center, Humphrey, currently an adjunct professor at the University, presented the medallion to University President Malcolm Moos.

During the presentation, Humphrey noted that the Space Science Center was but one of the products of the national space program whose successful moon landings have had a tremendous impact on Soviet leaders as well as on the rest of the world. The Center was built through 2½ million dollars in funds provided by the National Space and Aeronautics Administration (NASA) and another ½ million provided by the state.

Humphrey called America's first moon landing "the greatest move toward world peace that has happened this century.

"We were five years behind the Soviets in our space program," he said. "But we made a commitment, filled the gap and did what we said we would do (in space).

"We proved that when our government combines with our business sector, together we can do anything."

Humphrey said that he felt the success of the moon landing would influence the nuclear arms talks, since the Soviets would now be afraid that they would come in second-best in the advent of an arms race.

Consequently, the former vice president noted, "the success of manned flight to the moon and the space project that has placed a system in outer space to monitor nuclear tests, have made the space program worth every dollar invested in it.

"And the University benefited as well," he said. Humphrey cited the acceleration of technology and the miniaturization of computers that resulted from the space program as

direct benefits to education as well as the building of such educational facilities as the Space Science Center by NASA.

"This medallion means that we participated! This is a great University that from the early days has been in the forefront of aeronautics and space research."

In accepting the medallion for the University, President Moos thanked Humphrey for his "muscular work" as a senator and vice president that has brought so much to the University.

"We will cherish the medal," Moos said.

"We have made the predictions of Drs. Julius and Jeannette Piccard come true. Now we are at a new state of existence. As Apollo 12 sped toward the moon, the University began celebrating its 100th anniversary . . ."

Moos then presented the medallion to Lawrence Cahill, director of the Space Science Center.

Cahill said that the medallion will be placed on permanent display in the Center along with the moon rocks. The piece of Minnesota that went to the moon will be encased in a plastic block, and exhibited in a lighted, revolving case.

NOMINATIONS FOR MAA BOARD OF DIRECTORS

According to the By-Laws of the Minnesota Alumni Association, nominations to the MAA Board of Directors can be made upon the petition of not less than 25 members of the Minnesota Alumni Association. The petition should be filed, in writing, with the president of the Association not less than 90 days prior to the Annual Meeting, which this year is scheduled for June 2. In order to meet the deadline, submit your nominations immediately!

NEW GRAD SCHOOL POLICY RECOMMENDS TRANSFER CREDITS

A general policy of accepting transfer credits for other Minnesota colleges and universities to be applied toward master of arts and master of science degrees was recently adopted by the executive committee of the University Graduate School.

The decision of whether or not to actually accept transfer credits and the number to be accepted will be determined by the director of graduate studies in each major field.

Before the institution of this new policy, transfer of credit has not been permitted in the standard-length master of arts and master of science programs, although it has been possible in the professional master's programs that are of unusual length, as well as the specialist and doctor of education and doctor of philosophy degree programs.

"In a time when post-baccalaureate education is increasingly important and individuals are increasingly mobile, graduate offerings in the several institutions in our region should be coordinated and complementary," said Bryce Crawford, Jr., dean of the Graduate School.

Crawford encouraged the directors of graduate studies in several major fields to develop cooperative programs with other state institutions. He also suggested that programs for individual students, which are approved in advance, may involve substantial amounts of study taken at other institutions, while at the same time retaining sufficient concentration at the University to assure that the degree-conferring faculty is sufficiently familiar with the student. When the programs of individual students are not approved in advance, the Graduate School's executive committee has authorized faculty committees in the major fields to accept a maximum of nine quarter credits from other schools.

AROUND & ABOUT



TILLOTSON



ST. VINCENT



NELSON

Institute of Technology

'44

Henry B. Tillotson '44BME, Minneapolis, has been appointed director of facilities planning for Toro Manufacturing Corporation's U.S., Canadian and European markets. He has been associated with Toro since 1953 as assistant director of manufacturing, manager of consumer products, manufacturing and engineering, and director of manufacturing. Previously, Tillotson was a production engineer with Lincoln Electric, and affiliated with the 3M Company, Data Products Corporation and the Bemis Company.

John W. St. Vincent '44BME, from a family with a long and proud tradition in the steel industry which he is carrying on, has been named division superintendent of the Saxonburg plant of United States Steel's Homestead Works. Previously St. Vincent was assistant division superintendent of blast furnaces at Homestead. He held a similar post before coming to Homestead in 1966 from U.S. Steel's South Works in Chicago. A native of Hibbing, Minnesota, St. Vincent spent two years as an iron ore sampler with the Oliver Iron Mining Company before entering college in 1940.

'48

Marlin P. Nelson '48BCE, Swarthmore, Pennsylvania, has been named manager of advanced management and methods development to the manufacturing and engineering division staff of Sun Oil Company's new Products Group. Nelson, who has been with Sun since 1948 when he joined Research and Development's technical service group at Marcus Hook, Pennsylvania, became assistant process engineer in 1953 at the Philadelphia engineering division and in 1958 joined the advanced management and methods division. A year later he was named senior chemical engineer, then assistant director until becoming manager in 1963.

'50

Dr. Floyd L. Ramp '50PhDChE, Brecksville, Ohio, senior research asso-

ciate at the B. F. Goodrich (BFG) research center, has been named research fellow, the highest scientific title given in the company and one reserved for researchers with exceptional records of achievement. Dr. Ramp, who holds seven patents for the alteration and improvement of rubbers and plastics and is co-inventor of Geon 600, joined BFG as a research chemist after serving a research fellowship at Massachusetts Institute of Technology (MIT). While at MIT he assisted the late Professor Arthur Cope, internationally-known chemical researcher, and earlier work by Ramp at Minnesota led to the synthesis of many new materials.

'56

William C. Hand '56BME, Elmsere, New York, who joined Huyck Felt Company, Rensselaer, New York, in 1966 as manager of marketing services and was named sales manager in 1967, recently became director of marketing for that company. Prior to joining Huyck he was a product manager with C. H. Dexter, producers of speciality industrial papers, and an industrial salesman with the Aluminum Company of America.

'60

Dr. Roger A. Lovald '60BChem has been named a group leader for resin development by General Mills, Minneapolis. He came to General Mills from Rohm & Haas Company, Philadelphia, where he was a senior research chemist.

Agriculture

'44

R. M. Hendrickson '44BSAgEd, vice president and general manager of the Pfizer Agricultural division, was the recipient of the 1969 Outstanding Service and Cooperation Award of the National Vocational Agricultural Teachers' Association (NVATA). The award is presented annually to a company, organization or individual who has made outstanding contributions to the work of NVATA and vocational agricultural education over a period of years.

'62

Joseph D. Mullen '62BSAg, Minneapolis, has been made head of carbohydrate development for General Mills, national producer of consumer foods.

'64

Myron E. Tumbleson '64PhDAG was recently honored by Gamma Sigma Delta, honor society of agriculture, for his outstanding service to agriculture as an investigator who applies the multi-disciplinary and intra-departmental approach to research. He coordinates his activities in the School of Veterinary Medicine, College of Agriculture, School of Medicine and the departments of an-

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HAND



RAMP



HENDRICKSON

thropology, zoology and others of the University of Missouri, Columbia. Presently he is an assistant professor.

Business

'39

Donald W. Gates '39BBA, Akron, Ohio, previously general manager of Associated Lines Sales for the B.F. Goodrich Company (BFG) since 1965, has been named vice president, Associated Lines Sales. Gates joined BFG in 1939. After serving in the U.S. Field Artillery in the South Pacific during WWII, Gates joined the advertising and sales promotion department of Associated Lines in 1946 and progressed through the management ranks.

'42

Kenneth L. Block '42BBA, Chicago, Illinois, president of A. T. Kearney & Company and a civic leader, has been elected the seventeenth president of the Chicago Crime Commission, a 50-year-old nonpartisan citizens' "watchdog" organization. A member of the Commission since 1962, Block has served on its board of directors since 1964, has held the offices of vice president and treasurer, and in November chaired the Commission's annual "Chicago Law Enforcement Week." In addition, he currently serves on the board of directors of the Chicago chapter of the Boy Scouts of America, the Red Cross, the YMCA of Metropolitan Chicago, and is vice chairman of the Budget Committee of the Community Fund of Chicago. A registered professional engineer and a certified public accountant, Block joined A. T. Kearney in 1948.

Education

'55

Donald Moriarty '55BS, Denver, Colorado, has joined the Colorado department of education as coordinator of the Regional Center for Services to Deaf-Blind Children in the department's division of special education services. He coordinates diagnostic, educational and related serv-

ices for deaf-blind children for a six-state region. Moriarty has been director of social and child care services at the Indiana School of the Blind, Indianapolis, and at Illinois Braille School, Chicago. He also served as a caseworker in Chicago for the Family Service Bureau and Children's Hospital-School.

CLA

'56

James K. Morris '56BA, Caracas, Venezuela, president and director general of Union Carbide's Venezuela operation, is retiring after 13 years service with Carbide, nine of them in overseas work. He is joining the American Can Company in Venezuela as president and chief executive officer of Envasas Venezolano SA, the largest overseas investment of AmCanCo.

Dr. Bartolo J. Spano '56BA, Dayton, Ohio, was elected president of the Miami Valley Psychological Association at their recent annual meeting. A clinical psychologist, Dr. Spano became head of Wright State University's counseling center in September. The campus, in its sixth year, has achieved university status and serves 8,700 students from the Dayton area.

Graduate

'37

Mrs. Paul Prestegaard '33BS '37MA, Golden Valley, Minnesota, took office in January as president of the Greater Minneapolis Girl Scout Council, spearheading "Action '70", a new nationwide Girl Scout program aimed at awareness and eradication of prejudice. Mrs. Prestegaard, who began activities in Girl Scouting 30 years ago, was never a Girl Scout herself. She became involved in leadership training when she taught at Concordia College, Moorhead, Minnesota, worked with her son in the Boy Scouts, and later led Girl Scout troops for each of her two daughters. In 1958 she joined the Greater Minneapolis Council, a

group composed of adult participants in Girl Scouting, and has held various posts in that organization.

'51

Lynn H. Draper '51MA, associate general secretary of the Kentucky Association of Christian Churches, has resigned his position with KACC to become vice president for student affairs at Transylvania University. This is a new post, established under a basic administrative reorganization due to Transylvania's recent growth and expansion program. Associated with KACC for the past eight years, Draper was minister of administration at Central Christian Church in Lexington from 1956-61.

'53

Dr. Lee M. Day '53PhD, professor of agricultural economics, has been named head of the Department of Agricultural Economics and Rural Sociology at the Pennsylvania State University. Before joining the Penn State faculty, Dr. Day served on the staff of the U.S. Department of Agriculture from 1961 to 1967, the last two years heading an analytic group in the Planning, Evaluation and Programming Staff in the office of the Secretary of Agriculture. He has also served on the faculties of the Universities of Wisconsin and Minnesota.

'56

Dr. Roine Hunt Thorup '56MS 68PhD has been promoted from associate professor to professor of Home Economics at California State, Los Angeles. She is acting chairman of the Department of Economics there. Prior to joining the Cal State faculty in 1964, she was supervisor of homemaking education for the Long Beach Unified School District. An authority in the area of nutrition for low income families, Dr. Thorup is currently involved in preparing 10-30 minute programs on nutrition, including preparation and shopping hints for good purchasers.

'57

Dr. Robert C. Hildreth '57PhD has become assistant sales manager for agricultural and sanitary chemicals in the

Export department of Rohm and Haas Company. Previously he was senior technical sales representative in the California district.

'58

Dr. H. Steve Yanai '58PhD, Moorestown, New Jersey, has been appointed laboratory head in the research division at Rohm and Haas Company's Bristol, Pennsylvania, location. He joined Rohm and Haas in 1958, and since that time has been engaged in analytical research work. A native of Tokyo, Dr. Yanai became a naturalized citizen in 1963.

'60

Charles E. Redman '60PhD, Indianapolis, Indiana, has been promoted to assistant director of scientific information services by Eli Lilly and Company. Formerly he was head of research statistics and records. Redman joined the pharmaceutical firm in 1960 as a senior biometrician in statistical research; in 1962 he was promoted to department head of agricultural statistics and two years later became assistant head of statistical research.

'61

Dr. Robert C. Petersen '61PhD, Chevy Chase, Maryland, has been named chief

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36

The importance of a **W I L L**

A will is a basic instrument of any estate planning. Without a will, the individual loses all control over the distribution of his estate. May we respectfully suggest that you keep in mind that your will is a useful and fitting vehicle for benefiting your Alma Mater. The desire to create and to be remembered as a benefactor to posterity is a natural and admirable human aspiration.

A bequest to the University of Minnesota Alumni Fund provides an unusual opportunity for investing in the future of this great institution and in the people whom it serves. There are countless opportunities for memorial bequests. For example, the idea of investing a gift in the Alumni Freshman Scholarship Program or research suggests living dividends that reach out to an entire people. For all such gifts, both the permanence and the integrity of the University stand as guarantees of careful planning and wisdom in their expenditures.

In addition to bequests, there are many other important ways in which you can promote excellence at the University of Minnesota. These include gifts of cash, gifts of property, gifts of securities, bargain sales or donative sales, life insurance agreements, gifts of current income, and gifts of insurance.

Please fill out the attached form and we will be happy to send you our bequest folder.

UNIVERSITY OF MINNESOTA ALUMNI FUND
205 Coffman Memorial Union, University of Minnesota
Minneapolis, Minnesota 55455



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Class and College _____

of the Center for Studies of Narcotic and Drug Abuse of the National Institute of Mental Health. Acting chief of the Center since 1968, Petersen joined the National Institute of Mental Health in 1965. Previously, after service as a clinical psychologist at the Veterans Administration Hospital, Minneapolis, and an instructor at the University, he became assistant research professor in the department of psychology at George Washington University, Washington, D.C., in 1962. A year later he became associate professor at the Psychological Center for the Deaf at Gallaudet College also in Washington, D.C. The author of numerous professional papers, Petersen's most recent have dealt with drug abuse.

'62

Dr. Philip F. Dickson, '62PhD, Golden, Colorado, has been promoted to professor of chemical and petroleum refining engineering at the Colorado School of Mines. A native of Huron, South Dakota, he joined the Mines staff in 1963.

'64

Philip J. Pettman '64MA has been named an assistant professor of psychology at MacMurray College, Jackson-

ville, Illinois. A doctoral candidate at the University, Pettman served as a teaching assistant in the psychology department while in graduate school and later became an instructor. He was a research assistant and minority employment coordinator for the Minneapolis Gas Company prior to his current appointment.

'65

Franklin W. Briese '59BA '63MS '65PhD, formerly interim assistant director of the Biomedical Data Processing Unit and an assistant professor in the Biometry Division of the Minnesota School of Public Health, has been appointed assistant professor of biostatistics in the Division of Biometrics of the University of Colorado School of Medicine.

'65

Dr. Louis J. Grimm '65PhD has joined the faculty of the University of Missouri, Rolla (UMR), as an associate professor of mathematics. He came to UMR from the University of Utah where he was an assistant professor of mathematics. Dr. Grimm holds his master's degree from the Georgia Institute of Technology and his bachelor's from St. Louis University.

ALUMNI NEWS

DEATHS

'44 *Harley Burgett* '44BEE, of Mayhill New Mexico, was killed in an automobile accident in Ore Grande, New Mexico, September 1, 1968.

'21 *Dr. Ray E. Dockstadter* '21DDS, died February 3 at age 71. A dentist in Oxnard, California, for 42 years, Dr. Dockstadter was a lifetime member of the Oxnard Elks Lodge and the Southern California Dental Association. He retired from dental practice in 1967.

'05 *Dr. Francis C. Frary* '05BChem '06MS '12PhD, Outstanding Achievement Award recipient, died February 4 at age 85



in Oakmont, Pennsylvania. In 1903 Dr. Frary was on the University's gymnastic team, and as a faculty member he helped to design the chemistry building and wrote a book on glass blowing. Dr. Frary developed five kinds of lead alloys, one of which was

named for him and also found the secret of producing phosgene gas in commercial quantities during World War I. For 34 years he worked for the Aluminum Company of America as head of their research department. He was past president of the Electrochemical Society and the American Institute of Chemical Engineers, besides being the recipient of Acheson Medal, the Electrochemical Society's highest award, and the Legion of Honor award of the American Institute of Mining. After his 1952 retirement, Dr. Frary became a translator of scientific articles for the Aluminum Company of America and returned to college to study Russian. He lived in Oakmont at the time of his death.

'22 *C. E. Fribley* '22BA died in October. He lived in Norwich, New York, and was a life member of the Minnesota Alumni Association.

'22 *Mathilda Hokanson* '22MA died January 21 at age 84 in Garfield, Minnesota. She taught in Minneapolis, Rochester and other towns before moving to a farm near Garfield in 1939.

'28 *Vern R. Immer* '28BSAg died suddenly November 7 at his home in Jeffers, Minnesota. He worked for the 4-H clubs of Hennepin County, the Commercial Fertilizer Company in Kansas City and was district supervisor in St. Louis County with the Minnesota State Rural Re-

habilitation program. In 1936 he returned to farming near Jeffers.

'46 *John Perushek* '46BA died several years ago. He lived in Eveleth, Minnesota.

'21 *Judge Henry N. Graven* '21LLD died February 1 in San Antonio, Texas, at age 76, during surgery. Judge Graven had retired from the federal bench but was presiding in San Antonio on special assignment at the time of his death. He was credited with founding the pension plan of the old American Lutheran Church and was a member of the Board of Appeals and Adjudication of The American Lutheran Church, which was founded in 1960. In 1944, after serving as an Iowa district judge since 1937,

Judge Graven was named to the federal bench for the northern Iowa district.

'31 *Cornelis B. Kaercher* '31BSEd died October 14. She was a retired librarian and instructor in Library Science at the St. Paul Academy. Miss Kaercher had previously been librarian of the Carnegie Library in Melbank, South Dakota. During that time she was president of the American Library Association and the School Librarians.

'16 *Wanda L. Damm* '16BSHE died December 22. She lived in Waterloo, Iowa.

'21 *Ross L. Huntsinger* '21BS died January 1 at age 70 of leukemia. Mr. Huntsinger retired in 1964 after 30 years in Minnesota agricultural extension work, 20 of which were spent in Nobles County. At the time of his death he lived in Grants Pass, Oregon.

'40 *Mrs. Virginia K. Norman* '40BSEd, St. Paul, died August 18, 1969, at age 50. The public relations director for Twin Cities' WLOR radio held several offices in the state and Ramsey County Republican organizations. She was a captain in the Women's Army Corps during WWII.

'46 *Robert E. O'Connell* '46BSEd, St. Paul corporations counsel and in the city's legal office for 20 years, died December 26, 1969, at age 51. The St. Paul mayor eulogized him as "one of the finest public officials in our memory," who had made significant contributions not only to the city but to Ramsey county and the Minnesota legislature as well. O'Connell joined the city as an assistant corporations counsel in 1949 and during his career handled many of the stickiest legal problems facing St. Paul.

'51 *Lyle O. Estenson* '51PhD, Northfield, Minnesota, noted professor of psychology and education at Carleton College, died suddenly November 29, 1969, at age 53. He came to Carleton in 1952 from the position of assistant professor of education at Purdue University. From 1953 until 1967 he served as co-chairman of the psychology and education department, and since 1957 has held the rank of full professor. A longtime leader in Minnesota secondary education, the onetime high school teacher served from 1963-65 as a member of the Committee on Accreditation for the State Department of Education. In 1962 he spent several months in teacher education research in Hawaii and since that time had written many articles on Carleton's contributions and methods of teacher education.

'55 *R. C. Onslow* '55BA, Minneapolis, was killed in action in Vietnam at Quang Tai on May 10, 1968. He was awarded the Bronze Star.

A gift of \$500.00 was recently given to the Medical Microscope Fund in memory of Clifford D. Molzahn '52 MD, Redlands, California, who died suddenly September 29. He was 49.

A St. Paul native, Dr. Molzahn, as a member of the Minnesota National Guard 109th Aero Squadron, was inducted into the Army and graduated from the Army Air Corps Flight School at Kelly Field where he was commissioned in 1940. Flying fighter escort, he logged more than 50 aerial missions in the European and African theaters of war, and was the winner of the Air Medal, several Oak Leaf Clusters and the Distinguished Flying Cross.

Dr. Molzahn was discharged as a lieutenant colonel in 1946, and served with the Air Force Reserve for several years.

He had been a junior in aeronautical engineering at the University before the war, but returned to the campus to take pre-medical courses and enter medical school. Following the completion of his internship at Orange County Hospital, Santa Ana, California, he returned again to Minnesota for his residency and fellowship training in ophthalmology.

Dr. Molzahn was a member of Alpha Kappa Kappa medical fraternity, and a fellow of the American Academy of Ophthalmology and Otolaryngology and the American Medical Association.

POLLUTION CONTROL CENTER . . .

to breathe the air, and they will have to do something about it."

The environment-oriented movement is a political movement, Griffin said, and those in it are trying to change national priorities. New political candidates will be forthcoming who will change the way the national government spends its money if the movement is successful, he said. These candidates won't let over 50 percent of the national budget go for defense; they will keep the nation from killing itself, Griffin said.

"We're really a radical movement and nobody knows about it yet," he continued. Those in the new movement are interested not only in pollution, he said, but in changing the American way of life — to make the American lifestyle nonconsumptive, therefore less pollutive.

Griffin said that his first priority is working to end the war and that most of the students he works with on the Teach-In committee feel the same way. But Griffin is pessimistic about today's chances of ending the war.

He thinks that the current administration is trying to divert student activism to environmental problems — mainly pollution. However, he has found that most of those students actively involved in the new environmental issues realize this and really feel that the war issue still has first priority.

The nationwide April 22 Teach-In was initiated by Wisconsin Senator Gaylord Nelson and California Representative Paul McCloskey. The University's Environmental Teach-In committee will sponsor a week's worth of activities centered around "Earth Day," the Wednesday on which the Teach-In is to be held.

The tentative schedule includes, early in the week, an outdoor display of models of buildings for "living in harmony" with the environment. The models are to include such futuristic plans as geodesic domes in which man will live.

On Wednesday, April 22, from 10:00-12:00 a.m., a rally featuring the reading of an "environmental declaration of interdependence and bill of rights" will take place on the Minneapolis campus. During the afternoon a teach-in, that is expected to include 20 minute speak-outs by a variety of personalities from the Twin Cities' area and around the country, will be held. In the evening, a workshop session, open to the public, will forge specific action proposals on substantive issues concerning the environment. These are the proposals that will be delivered to legislators. The workshop will be held throughout the Teach-In week, during the afternoon and evening.

On Thursday, April 23, at 7:00 p.m., Paul Ehrlich will deliver the keynote address. He is author of *The Population Bomb*, a controversial book about possible political and ecological catastrophes that could happen as a result of overpopulation. More workshops will be held later in the evening.

Robert Sinsheimer of the California Institute of Technology will speak on genetic engineering on Friday, April 24.

A day of interaction between local high school students and the University is scheduled for Saturday in order to form a collective statement from high school-age students who are concerned about their environment. Teach-In planners hope to interest attending high schoolers in an ongoing movement and involvement. A rock festival will punctuate the evening.

ALUMNAE SCHOLARSHIP TEA . . .

President James Watson, Dr. Lenard Arling, past president of the Medical Alumni Association; Clarence Bros, past MAA board member; Otto Quale, past MAA board member; George Pennock, MAA board member; Al Swanson, president of the General College Alumni; Waldo Hardell and Jeff Wright.

Arrangements for the annual affair that has been providing four full-tuition scholarships for University freshman women were made by the officers and directors of the

Alumnae Club: L. Jeannette Wiggs, president; Margaret M. Mull, first vice president; Ethelyn Johnson Bros, second vice president; Arline Dimond, secretary; Judith Frost Flinn, treasurer; Irene Kreidberg, historian; and Alice L. Brunat, Ruby S. Moe, Diana Kuske Murphy, Patricia McFadden Partidge, Eileen Teigum Russell, Elizabeth Schlick, Margaret Hagen Smaby, Katherine Thayer Thompson and Virginia Bechtol, past president.

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Located in the Sheraton-Ritz hotel overlooking the fabulous Nicollet Mall in downtown Minneapolis, the Club provides many services to its members. It is superbly convenient for dining, lunches, meetings or banquets—or for just getting together with friends.

Call the Alumni Office for more information (Area 612 Phone 373-2466). If you are presently a member, use the application form below to ask a fellow alumni to start using the Club, too!



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I hereby apply for a Resident membership (7-county metro area \$42.00 dues, \$20.00 initiation fee) _____; or a Non-resident membership (\$10.00 dues, \$10.00 initiation fee) _____ in the University of Minnesota Alumni Club.

My check is enclosed for \$_____. I am now a member of the Minnesota Alumni Association in good standing. Yes_____ No_____ (If you are not a member, send \$10.00 additional for annual MAA membership dues.)

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UNIVERSITY OF MINNESOTA

ALUMNI NEWS

1970 APRIL




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ALUMNI CLUB NOTES

NEW CLUB MANAGER APPOINTED

Bob Heille has been appointed manager of the Alumni Club. Born and raised in St. Paul, Bob attended St. Thomas College and the University of Minnesota. After graduating from General College he moved to California where he continued his education and gained valuable work experience. When talking to Bob you realize that he brings youthful vigor and a keen sense of direction to Alumni Club position.



Bob has been pleased to see so many groups, such as the Naval Reserve Judge Advocates Unit, and the Engineers Club, using the Alumni Club's excellent facilities on a regular basis.

When you are planning a regular meeting or a private party at the Club call Bob Heille at 336-3031, and he will make sure everything is prepared to your order.

ASSOCIATE MEMBERSHIP FOR RECENT GRADS

All University of Minnesota graduates with baccalaureate degrees are eligible to become

Associate Members of the Alumni Club for a five year period after date of graduation. Club dues for an Associate Member are just \$10.00 a year, the regular \$20.00 initiation fee being waived.

The only other requirement is that the applicant must become a member of the Minnesota Alumni Association (MAA), (if not already a member). Graduates are automatically MAA members for the first year after graduation.

The Associate Member enjoys all privileges of the Club except voting rights. New graduates need the fellowship and contact offered by the Alumni Club as much as anyone.

Help us to bring more of these younger graduates into the Club. Tell the ones you know about "Associate Membership" — or perhaps give one as a gift.

SPECIAL NEW MEMBER OFFER

THE CLUB INITIATION FEE of \$20.00 for new members is being waived entirely during the current membership campaign — effective through December. Right now an applicant for membership who lives within the seven-county Twin Cities metropolitan area can join by paying only the regular Resident Membership dues of \$42.00 a year (\$3.50 a month).

Alumni living outside the Twin Cities area may apply for Non-resident Membership at just \$10.00 per year.

The only requirement for membership in the Alumni Club is that the applicant must be a member of the Minnesota Alumni Association (\$10.00 annual dues).

If you're already a member of the Alumni Club, now is the time to introduce a fellow alumnus among your friends or co-workers to the Club and its facilities. Urge them to sign up during the *SPECIAL OFFER PERIOD*. Use the application form below.

Or, *GIVE A MEMBERSHIP FOR GRADUATION!*

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Send To:

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ALUMNI CLUB

205 Coffman Union
University of Minnesota
Minneapolis 55455

**SAVE \$20.00 —
JOIN NOW!**

Yes, I want to take advantage of the special offer. Please enroll me as a member of the Alumni Club. Resident membership, \$42.00 _____; Non-resident, \$10.00 _____

I am a member of the Minnesota Alumni Association in good standing (Yes ___ No ___). My check is enclosed in the amount of \$_____. (If you are not a member, include \$10.00 additional for annual MAA membership dues.)

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Class and College _____

Name _____

Home Address _____

City _____ State _____ Zip _____

_____ Please send spouse card

WE RECENTLY HEARD FROM . . .

Patrick Bradley, Director
Solid Waste Division, American Hoist & Derrick Company, St. Paul, Minnesota

ABOUT THE MARCH ISSUE

"Your March 1970 issue of the Alumni News was fascinating to one whose sometime title is Director of Swine Substitutes or Chief Seagull Surveyor.

"Here in St. Paul, we have a less exotic approach to the problem which is best explained in the olio of letters, speeches, clippings and catalogs accompanying this letter. If university students wish to put pressure on manufacturers, why not let them be resolved to *not* buy any non-returnable bottles or cans. The beer and soft drink producers would soon listen. What a public relations campaign it could be, and since I haven't given this out before, it's yours.

"Incidentally, the fellow who spearheaded the Metropolitan Twin City attack on solid waste is John E. Carroll who, incidentally, is president of American Hoist & Derrick, and is U of M class of 33 B Chem and on the executive committee of the Alumni Association."

EDITOR'S NOTE: Arrangements are being made to prepare an article on John E. Carroll and his company's work in solid waste disposal that will appear in the Alumni News before the end of this publication year.

A. C. M. Ahlen '32BA '33MA '42PhD
Minneapolis, Minnesota

ABOUT BEAVER 55

" . . . I trust that the University administration will take some significant action against the perpetrators of what President Moos rightly calls mindless vandalism.

"The institution seems to have been over lenient with the new left. To have permitted those calling themselves Beavers 55 to meet on University property was a serious error. These persons were lauding acts of lawless destruction, something we cannot condone regardless of what we may think about the draft.

"The issue of free speech and assembly does not enter in. There is no constitutional guarantee that the University should host any and all groups, some of which may be inimical to what the institution stands for. If these subversives desire to put on a show, let them hire their own quarters."

EDITOR'S NOTE: In the 1970 March issue of the Alumni News, on page 5, we printed earlier comments on the

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University's image received from Mr. Ahlen — and erred in the production of his comments. We agree with Mr. Ahlen, when he called the errors to our attention, that "lest some knowledgeable young idealist suppose that the old grad is ill informed, is seeking to coin new words or is beginning to get senile," we should print a correction. The words should be "coprophiliacs" not "caprophiliacs", and "apothecosis" not "apothesis".

Mel Hansen '40BA, State Senator
from the 34th District
Minneapolis, Minnesota

ABOUT OUR POLLUTION COVERAGE

"Congratulations on what I feel represented your best edition of the Alumni News yet. The key topic of pollution is one that offers the opportunity for follow-up articles in addition to the provocative stories in the March edition.

"Hopefully the thought stimulator titled 'Two-Winged Sanitizer for a Polluted World' will be reprinted in other media of broader distribution. The unique blend of the creative dreamer with the doer that we see brought together in one man, George Rauenhorst, points the way to a solution of problems that threaten our survival."

EDITOR'S NOTE: Follow up articles on pollution will appear in 1970.



Paul W. Rhame '20BlndE
Lake Worth, Florida

ABOUT THE FIRST OLD MAIN

"The February Alumni News stirred an old memory! It was sparked by the picture of The First Old Main.

"On September 24, 1904, as a kid of 9-years-old, I heard the horse-drawn fire engines clanging onto the campus. Looking out I saw smoke billowing up a few blocks northeast of our house at 201 State Street.

"I dashed out the door, following the tumult toward 'The Main'. Fleet feet got me there in about four minutes. At first it was mostly smoke, then flames burst out of the windows and shot skyward with melting heat!

"Then steam-driven fire engines snorted and pumped frantically. Yet the fire hoses that were all over the place were ineffective. Several hours later only smoldering walls remained.

"After cooling, we haunted the acid-smelling ruins for 'rare treasures' but found only ashes."

John Holbeck '24BEE
West Linn, Oregon

ABOUT FOOTBALL ATTENDANCE

"Every issue of the Alumni News seems to stress the fact that attendance at football games keeps dropping each year. Why? The Vikings and professional football are drawing the crowds. This is deplorable.

"I do not have one iota of interest in mercenary professional football. It is a game that should be played for fun. I would be happy to see professional football abolished.

"While at Minnesota I did not miss a single home game . . ."

CREATIVE PROGRAMS

"PERSONALIZE"

UNIVERSITY CLASSES

Within an institution often accused of impersonality because of size and crowded conditions, students can still find opportunities for creativity, improved quality education and personalized instruction. Two such opportunities — out of 100 or more new ideas tried recently at the University — are a dental course that sensitizes dental students to the attitudes and life styles of people, and a program that brings community people into the classroom as teachers.

All freshman dental students now take a course in Health Behavior, initially offered last spring, that helps them understand people and their dental habits — why some go to the dentist and others don't, for instance.

"This understanding is important if we want to provide the best in dental care for everyone," accord-

ing to Dr. Joanna Samuels and Mrs. Jean Woodbury, the creators of the class and both assistant professors of health ecology.

The course, by means of panels, video-taped interviews with children and tape-recorded discussions with mothers, brings the community into the classroom. Panel participants who represent a variety of economic, social and ethnic groups, offer their personal ideas about

dentists and dental care; other panel groups introduce the professional specialist from the Minneapolis and St. Paul areas to the students.

The tape-recorded interviews with mothers reveal some of the problems parents face in providing adequate health care for their families. Last spring, in Minneapolis, Dr. Samuels interviewed 355 black, white and Indian third graders

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from the middle and working classes and from welfare families. In discussions of dental care and diets, the children candidly revealed a great deal about their home environments, attitudes, family health practices and experiences that may help the future dentists deal with children's fear of the dentist.

The Dental School is not the only University unit to turn to the community for instruction. Last September the University's Office of Community Programs initiated the cultural education specialist program in some of its courses dealing with poverty, and social and ethnic problems.

The specialist, generally from a minority or poverty group, "is an articulate person who can describe and explain minority-group ideas and attitudes," said Arthur Harkins, a coordinator in the Office of Community Programs. "He can relate academic subjects to realities, although he is not a formally trained or academically licensed instructor."

One of the first classes to use the cultural education specialist was an education course — School and Society — required of all education majors. The students visited The Way, a north Minneapolis community center, and its director often came to the University to speak with the students.

"He spoke freely," Harkins said, "about the black man's response to formal education, and related it to politics, economics and social problems. The purpose of his visits was not to give him the last word, but a word."

Community resource people coming into the University is not new. What is new about the cultural education specialist is that he is a regular part of the teaching staff, having equal status with the professor in a class that they plan and teach together.

The specialists thus far have met with great success in University education, sociology, social work and American Indian studies.



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THE UNIVERSITY OF MINNESOTA ALUMNI NEWS

(Our 69th Year)

APRIL, 1970 • VOL. 69, NO. 8

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Mary Lou Aurell '62BAJourn Editor
 Edwin L. Haislet '31BSEd '33MA '37EdD Managing Editor

Second class postage paid at Minneapolis, Minn., under Act of Congress of March 3, 1879. Annual dues of the Association are \$10 of which \$8 constitutes a year's subscription to the Alumni News. Subscription for non-alumni: \$10 per year. National advertising representatives: American Alumni Magazines, New York, N.Y. Publisher: Minnesota Alumni Association, 205 Coffman Union, University of Minnesota, Minneapolis, Minnesota 55455.

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, 55455. Member of the American Alumni Council.

POINTS of VIEW

ED HAISLET
Executive Director



What is the purpose of an alumni association? This question is raised from time to time by alumni in response to membership or fund requests.

Often they infer that the alumni office is interested in all things unimportant—and then most often they mention football and class reunions.

No doubt their image of alumni is as is often portrayed in the motion pictures, that of the old college grad, in a racoon coat waving a college banner, or an alumni reunion with those present wearing silly hats and making out like they are not old grads. That's not a picture of today's alumni—if it ever was. Both football and reunions have a proper place in an alumni program. Football is the one great common denominator, and when our football team does well, there is a general increase in alumni spirit and support; likewise a gathering of alumni, a reunion for instance, is an important channel of communication with a particular segment of the alumni body, a way to get alumni back to the campus and to think about the University.

Actually the work of the alumni association, its many programs and activities are guided by objectives as set forth in the Articles of Incorporation of the Association—the overall objective being the support of the University and its many needs.

While Association objectives are clearly defined in its articles of incorporation, it is true that they have not been widely disseminated. Therefore, the question raised is a valid one—what is the purpose of the alumni association?

Article II of the Articles of Incorporation states that the purpose of the Minnesota Alumni Association, Incorporated is:

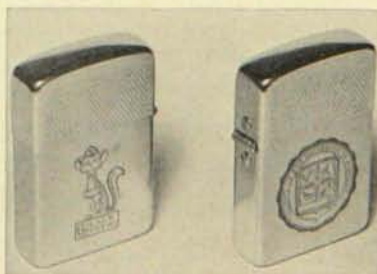
- To cooperate in maintaining the University of Minnesota's leadership among American universities.
- To assist in securing every reasonable financial support that the needs of the University of Minnesota require.
- To support the administration of the University of Minnesota in carrying out its educational policies and program of service to the people of the State of Minnesota.
- To keep graduates and former students adequately and correctly informed regarding the affairs of the University of Minnesota.
- To develop a program of cooperation with alumni of the University of Minnesota, who, as individuals or groups, desire continuing educational service such as may be made available through the departments of the University of Minnesota.

- To work toward broadening educational opportunity for youth through the sponsorship of a scholarship program.
- To lend support to worthy student projects and activities and to assist students of the University of Minnesota in every way possible.
- To bring alumni back to the University of Minnesota campus as often as possible through planning and arranging special programs, events, occasions, meetings, reunions and the like.
- To sponsor and develop University of Minnesota Alumni chapters throughout the state and nation so as to bring the University to its alumni.
- To provide the opportunity for graduates of the University of Minnesota for annual giving to the University through the Alumni Fund.
- To bring service and educational programs to the University of Minnesota alumni body not otherwise obtainable.
- In furtherance of the foregoing purposes, to accept, receive, hold, invest, reinvest, manage and administer gifts, legacies, bequests, devices, funds and property of any kind or nature, without limitation as to amount or value; to use, employ, apply, expend and disburse, by donation or otherwise, the income and principal thereof, exclusively for the express purposes of this corporation.

These objectives guide the many alumni programs and activities sponsored by the Minnesota Alumni Association, the Department of Alumni Relations and the Alumni Fund. Such programs are evaluated each year, and new and better ways to achieve objectives are constantly being developed.

Ed Hauke

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THE MINNESOTA ALUMNI ASSOCIATION

★★★★★
ELECTION

BALLOT

★★★★★
ELECTION

★★★★★

★★★★★

The accompanying list of 10 candidates (nominated for the five positions that will be vacated on the MAA Board of Directors) is hereby certified as correct. Each Association member will vote for no more than five (5) candidates.
(Signed)

James A. Watson '42BA, Chairman
Albert H. Heimbach '42BBA
Richard E. Kyle '27LLB
Irene D. Kreidberg '30BBA
Edwin A. Willson '30BEE
Members of the Nominating Committee

BALLOT

- | | |
|---|--------------------------|
| BRUCE ABRAHAMSON '49BArch
St. Paul, Minnesota | <input type="checkbox"/> |
| DR. LYLE A. BRECHT '39DDS
Minneapolis, Minnesota | <input type="checkbox"/> |
| FRANKLIN BRIESE '28LLD
St. Paul, Minnesota | <input type="checkbox"/> |
| ROBERT G. CERNY '32BArch
Excelsior, Minnesota | <input type="checkbox"/> |
| J. BRAINERD CLARKSON '31JD
Minneapolis, Minnesota | <input type="checkbox"/> |
| CHARLES T. McGARRAUGH '37BBA
Edina, Minnesota | <input type="checkbox"/> |
| DR. R. HUGH MONAHAN '43MD
St. Paul, Minnesota | <input type="checkbox"/> |
| DR. A. E. RITT, '33MD
St. Paul, Minnesota | <input type="checkbox"/> |
| HENRY N. SOMSEN, JR. '32BA '34LLB
New Ulm, Minnesota | <input type="checkbox"/> |
| BARBARA STUHLER '52MA
St. Paul, Minnesota | <input type="checkbox"/> |


1. Place (X) opposite each person for whom you wish to vote. Do not vote for more than five (5) candidates or your ballot cannot be counted.

2. Ballot need not be signed, but name and address must appear on the envelope containing the ballot. It is important that your name be legible.

3. Clip ballot and send to Executive Director, Minnesota Alumni Association, 205 Coffman Memorial Union, University of Minnesota, Minneapolis, Minnesota 55455.

For assured secrecy in submitting ballots, the mailing envelopes should be marked "BALLOT" or enclosed within the mailing envelope 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 21 in order to be counted.

 **CLIP AND MAIL TODAY!**

Select And Vote Today

MAA BOARD CANDIDATES

CHOOSE your voice in the Minnesota Alumni Association — cast your vote for the Board of Directors candidates today!

The ten candidates who are named and described below have been nominated this year for the five positions that will be vacated on the Board, the governing body of the Association and the source of its officers.

The voting period *officially opens on receipt by MAA members of their copies of this April issue of the Alumni News*. All ballots must be in the office of MAA Executive Director Ed Haislet by May 21 in order to be counted. The results of the election will be announced officially at the Association's Annual Meeting on June 2.

The 1970 nominating committee consisted of James A. Watson '42BA, chairman, Albert H. Heimbach, '42BBA, Richard E. Kyle '27LLB, Irene D. Kreidberg '30BBA and Edwin A. Willson '30BEE.

The official ballot — to be filled in and returned by you to the Alumni Office for tabulating — appears on the preceding page.

ABRAHAMSON



BRUCE A. ABRAHAMSON '49B-Arch, an assistant professor in the University's School of Architecture for the past 15 years, has been a partner in the St. Paul and New York architectural firm of Hammel, Green and Abrahamson since 1954. Previously he was a project designer in Chicago for two years with Skidmore, Owens and Merrill. The past president of the University's Institute of Technology Alumni Association and St. Paul chapter of the American Institute of Architects, is also a past director of the Minnesota Society of Architects. The 44-year-old Abrahamson who makes his home in suburban Edina,

Minnesota, received his Master of Architecture from Harvard University in 1951, and a Rotch Travelling Scholarship for Advanced Study in Europe in 1952. Abrahamson has distinguished himself both as a working architect and as a scholar in his profession.

BRECHT



DR. LYLE A. BRECHT '39DDS, an associate professor of crown and bridge for several years at the University's School of Dentistry, is currently a practicing dentist in Minneapolis as well as chairman of the Dental Health Care Committee of the Minnesota State Dental Association, a member of the board of

directors of the Delta Dental Plan of Minnesota and of the Minnesota Prosthodontic Society, and a fellow of the American College of Dentists and the International College of Dentists. Dr. Brecht, who served in the U.S. Army Dental Corps from 1942 to 1946, has displayed continuous dedicated leadership in his profession, having served as president of the Minnesota State Dental Association, the Minnesota Academy of Restorative Dentistry and the Minneapolis District Dental Society. He is also a member of Omicron Kappa Upsilon, honorary dental fraternity.

BRIESE



THE AFFLUENT ALUMNUS 1970

AFFLUENCE is a word that has many senses, all of which indicate abundance.

Affluence connotes a substantial income and a free expenditure of resources. It is a word that is often interchanged with wealth.

It is also a word that can be easily applied to the alumni of the University of Minnesota — not because Minnesota alumni have a corner on the riches of the country, nor because they are lavish in their expenditures.

Minnesota alumni polled in the 1970 Affluent Alumnus questionnaire did show an average income well above the U.S. per capita of \$3,412, as well as a high percentage of home ownership and strong financial involvements in automobiles, securities and insurance.

These characteristics alone could allow us to call Minnesota alumni "affluent" when we compare them with the national averages relating to money involvement.

Yet our questionnaire revealed other facts — and implications — that unquestionably show that Minnesota alumni are indeed an affluent group.

Of the nearly 10 percent of Minnesota Alumni Association members who returned the survey questionnaire, the majority held degrees from the College of Liberal Arts. The percentages of returns from the various collegiate units of the University were as follows:

College of Liberal Arts	20.1%
Institute of Technology	15.3%
College of Education	14.1%
School of Business Administration	13.9%
School of Medicine	6.9%
Graduate School	6.6%
Institute of Agriculture	5.9%
School of Law	3.4%
School of Dentistry	2.9%
School of Nursing	2.7%
School of Pharmacy	2.1%
Medical Sciences	1.9%
Duluth Campus	1.3%
General College	1.1%
School of Social Work	1.0%
School of Architecture	.9%
School of Veterinary Medicine	.7%

The College of Liberal Arts surveys include the Schools of Journalism and Mass Communications, Public Administration and Library Science. And Medical Sciences includes the Schools of Medical Technology, Public Health and Mortuary Science.

The greatest percentage of the respondents were between the ages of 46 and 50 (12.3 percent), while the age groups of 51-55, 26-30, 36-40, and 31-35, respectively, were little more than a full percentage point away from the leading group. This should allow us to

speculate that the median age of our respondents is in the late 30's to early 40's.

As in survey years passed, a greater number of men than women returned the survey: 83.2 men as opposed to 16.8 women.

A number of women who did return the questionnaire asked that we include the category of "housewife" under occupation. One of them wrote: "It might be interesting to find out how many housewives *did not* fill in this survey . . . (it) is obviously not interested in housewives or who they married!"

The greater number of alumni are married, 77.2 percent; while 17.6 percent listed themselves as single. Alumni families tend to have two children, one-fifth of whom have also attended or are attending the University as their parent did.

The survey revealed, as to number of children, that married alumni have:

Two children	24.8%
Three children	21.7%
No children	18.5%
One child	15.6%

(The remaining having four or more children.)

As to the ages of the children, 19.3 percent were between 11-15, 18.4 percent over 25, 17.3 percent between 6-10, and 26.4 percent between ages 16-25.

Alumni families are increasing their travel for pleasure: 40.2 percent more than twice during the year and 32.8 percent, three times or more. More than 50 percent of the time they will use their cars for pleasure jaunts, with air travel as a second choice.

And, although domestic travel, for both pleasure and business, takes up over 75 percent of alumni mileage, foreign travel is on the increase - 28.2 percent, more than five percentage points over 1969.

The more than 60 percent of alumni who travel up to five times a year for business purposes, favor the plane 56.7 percent over the automobile, 38.2 percent.

When you consider the number of trips taken for business purposes during the year by alumni, it follows that the greatest percentage of the survey respondents would be employed in business and industry:

Business & Industry	27.3%
Education	22.4%
Medical Sciences	16.1%
Government	14.2%

The leading area of employment in each major occupation category was Government - federal, Business and Industry - administrative executive, Education - Professorial, and Medical Sciences - practical.

Over 64 percent of the alumni indicated that they were employed in the field that they studied while in college, and the greater number had been with their current employer from six to ten years. In descending

AS AN INDIVIDUAL,

the affluent alumnus is between the age of 46 and 50, is married and has two children. He is most often employed in business and industry, in an administrative position, or in the education field. He has been at his current job from six to ten years, often supervising at least five people. He owns his home in a metropolis where he has been for more than 25 years.

He has two cars that he most often drives on the roadways of Minnesota, for pleasure. He prefers to fly for business trips, and is increasing his travel abroad.

FINANCIALLY . . .

the affluent alumnus earns close to \$15,000 a year. He values his home at \$30,000 to \$40,000. He is most likely to have substantial securities, in stocks or mutual funds. He also maintains a checking and a savings account. He carries life insurance in the amount of \$50,000 to \$99,999, and hospitalization, usually under a group plan.

order of percentages, others had been with their present job from three to five years, from one to two years, or more than 25 years.

Nearly 60 percent of these working alumni are in supervisory positions, one-third of whom direct the activities of one to five other persons.

A major portion of respondents have settled to work in a metropolis which is indicative of the large numbers of Minnesota alumni who are located in the five-county area surrounding the Twin Cities. Slightly more than 20 percent reside in a small city, while nearly that percentage are in a medium-sized city.

When Minnesota alumni choose a community in which to live, they tend to stay in that community — indicating a stability that goes along with their affluence. Over 27 percent have been in their home communities more than 25 years, 14.8 percent from 11 to 15 years and 11.8 percent from 3 to 5 years.

And the first state of their residence choice is Minnesota, the location of their alma mater.

Minnesota	50.4%
California	10.9%
Illinois	4.8%
Michigan	3.3%
New York	2.4%
Wisconsin	2.2%
Pennsylvania	1.9%
Maryland	1.9%
Texas	1.8%
Florida	1.5%
Massachusetts	1.5%

Over 73 percent of the alumni respondents indicated that they owned their homes, with over 55 percent valuing them at \$30,000 to \$40,000; \$40,000 to \$50,000 and \$20,000 to \$25,000, respectively.

Alumni ownership of Fords nosed out that of Chevrolets again this year: 20.8 percent to 19.1 percent. And alumni count one to two cars in their family. Slightly more than 46 percent claim ownership of two automobiles, and 44.1 percent of one.

More alumni have an older make car this year than in previous years of this survey, a fact which may be accountable to the increasing ownership of two cars. Over 30 percent indicated cars of the vintage 1961-65, while 21.5 percent indicated 1969 models and 18.7 percent 1968 models.

How much money does the affluent alumnus make? The five leading categories of gross annual income, according to the 1970 survey, are:

\$10,000-15,000	20.1%
\$15,000-20,000	18.7%
\$ 7,500-10,000	12.8%
\$20,000-25,000	12.6%
\$25,000-30,000	10.2%

Over 14 percent of the respondents indicated that they make over \$30,000 per year.

And they invest their money, as over 78 percent said that they owned securities.

The majority — 57.1 percent — of these securities are in stocks; 33.8 percent in mutual funds; 25.2 percent in real estate; and over 30 percent in bonds and other holdings.

Nearly 100 percent of Minnesota alumni maintain checking accounts — 98.8 percent said “yes”. And 90.7 percent have savings accounts; while 19.3 percent said that they had trust accounts.

The amount of life insurance an alumnus carries tends to average approximately \$30,000:

\$50,000–99,999	22.8%
\$30,000–49,999	20.3%
\$10,000–19,999	14.2%
\$20,000–29,999	12.8%
\$ 5,000– 9,999	7.2%
More than \$100,000	9.9%

Again, close to 100 percent carry hospitalization insurance: 97.4 percent, and 89.3 percent indicated that it was in the group insurance category.

Politically, the alumni respondents remain, in the majority, Republican, although the 1970 survey indicates a political shift that might occur in the 1972 national election.

While 52.3 percent of the alumni said that they were Republicans by party affiliation, 19.8 that they were Democrats and 27.1 percent Independents, less than half of the respondents indicated that they would vote Republican in the 1972 elections as compared to the slightly more than 50 percent who said they would in 1969.

Preferences two years before the next presidential race show 47.8 percent favoring the Republican party, 22.9 percent the Democratic party and 29.3 percent undecided.

Again, as in 1969, nearly 70 percent said that they did not vote a straight party ticket in 1968.

A second indication of a possible political shift occurring in the affluent alumni body is their 1970 response to their current political, social and economic thinking since leaving the University:

More conservative	19.6%
About the same	49.7%
More liberal	30.7%

The tendency toward more liberal thinking is up over 5 percentage points over 1969.

While slightly more than 60 percent of our respondents noted that they had achieved only the BS or BA degrees during their University education, the numbers returning for their Master of Arts or Master of Science degrees increased over 1969, to 10.7 percent.

POLITICALLY . . .

the affluent alumnus is a Republican and voted as such in the 1968 election — though he usually did not vote a straight party ticket. He should favor the same party in the 1972 national election, although he tends to as yet be undecided. He is not an active worker for his political party, and although his political, social and economic thinking is about the same as when he attended the University, he is tending to become more liberal.

EDUCATIONALLY . . .

the affluent alumnus usually holds an undergraduate degree, but has continued his education in a variety of formal ways since leaving the University. He will probably work toward an advanced degree. He has returned to the University frequently since graduation, most often to visit but also to attend classes, seminars and meetings related to his work. He has joined the Minnesota Alumni Association, in the main, to support the University and to keep in touch with his alma mater.

And 13.9 percent have earned degrees outside the usual academic listing.

The 1970 respondents show an awareness, not only of the contemporary need for advanced education, but also for continued education. Nearly 75 percent said that they had continued their education after their undergraduate years at the University.

And a number made the comment on the questionnaire: "It is necessary!"

The greatest number of those who have continued their education have done so through evening extension courses, professional short courses, seminars and in-service training programs, workshops and self-study. An increasing number are extending their in-service professional training into a formalized education, and earning credits toward an advanced degree. They may be doing so because many institutions of higher learning, like the University of Minnesota, are increasing the number of business-professional offerings in seminars and short courses outside their standard curriculums, that carry credits applicable to an advanced degree.

Do Minnesota alumni return to the campus after graduation? Their answer is a definite "yes". Over 77.2 percent said that they had been back to the University, most often to visit friends, professors and colleagues.

Yet nearly the same number said they had also come to attend classes, seminars and workshops, or to work and to study, or on business. Alumni ranked as fourth, attendance of University cultural events that included concerts and lectures, and, as fifth, attendance at University sports events.

Some unusual comments from respondents on why they had returned to the campus were:

"To write poetry."

"To watch all the kooks around there."

"To explain the University to a good friend."

And, as many returned out of curiosity as returned for Minnesota athletic events.

Overall athletic attendance was indicated by 69.2 respondents, who favored football, baseball, hockey and basketball, respectively.

Why have these alumni joined the Minnesota Alumni Association? Over 47.3 said that they did to support the University, and 36.2 percent, to support the work of the alumni.

Their listing of other reasons for membership were also strongly in support of the University: the majority saying that they were MAA members in order to be in touch with the University.

And some alumni responses were indicative of the alumni feeling of our affluent group — "It was the thing to do!"

"I take pride in the University and feel an obligation to support it."

And, finally, "A good salesman talked when we graduated!"

ALUMNI PERSPECTIVE

Among University of Minnesota alumni are a number of articulate, influential individuals in business, industry, education, communications and the like. One of this number, James Watson, current MAA president, recently spoke to the Minneapolis Sales and Marketing Executives Club. His remarks, though delivered to the business sector, have relevance and ramifications for all Minnesota alumni. The following is a condensed portion of the insight given by the Gamble-Skogmo president on the challenges and opportunities of the 70's.



A MATTER OF SELF INTEREST . . .

I am sure that you are aware that whether we like it or not, we are in the biggest social revolution in the history of United States. This is a revolution of gigantic proportions and frightening implications to the future of our country, but a revolution that also could hold promise — if channeled constructively.

I said you are aware of this, but how personally involved are you? What is the difference between being aware and personally involved?

Have you had your places of business picketed by radical groups? Have you had items you sell boycotted? Have you had to face up to the long-haired, screaming dissidents?

Have you been accused of being an oppressor because you employ people? Have you had members of the clergy accuse you of being immoral and pray over you because you won't join their bitter crusade? Have you had boycotters marching around your house?

To all of these I would have to answer "yes".

At first involvement was painful, but now it has become both a challenge and an opportunity — a challenge to help in some small way our sophisticated system of the 70's and an opportunity to improve my vista for the decade ahead.

Today a growing minority of divergent groups are attacking all segments of our society, trying in every way to overthrow and beat down the various facets of our democracy. This is now new to history.

The Roman civilization collapsed from many of the same diseases infecting ours, and our civilization can likewise be decimated unless communicating people do something about it.

The obvious place to start would be to ask for a listing of the groups — of the people that are rebelling against society today.

The first five groups are easy to name.

We have the Negro — sick and tired of persecution and feeling with a great deal of justification that it is time they are accepted as first-class citizens. Progress in this regard is being made, but not fast enough to compensate in their minds for the oppressions they have suffered in the past.

The decade of the 70's should see us doing everything possible as responsible citizens to bring the various races into the American society as first-class citizens. We have no choice — it is only human and it is in the best interests of our society.

Secondly, we have a large group, a growing group of dissident college students throughout the United States. Why are these students rebelling? Fortune magazine attributes their actions to the fact that economic pressure has been removed. Theirs is a special kind of rebellion — a short-cut to involvement.

In our struggle for financial well-being, we have created an affluence in which most of the students today do not have the economic pressures of the students of yesterday.

The number of college students has doubled in the last ten years to reach 6,700,000. Isolation is gone. The ivy walls have been torn down. A minority has become much more vocal because of numbers alone. But, there are more reasons.

TV and the other sophisticated communications of today's living can mobilize, overnight, thousands of this dissident minority. These young people are symptoms of an affluent student society with little worry for their economic welfare. They are disillusioned with what they think are their parents' values and they are uncertain about the future. They are symptoms of what I refer to as the post-industrial society where service will replace industry as a prime value.

These students are deeply concerned about what they have to look forward to during the next 25 years, and if we examine the road we are on and don't change that road, you can hardly blame them . . . in a decade, urban dwellers will have to wear gas masks to survive air pollution unless a change is made. If this trend continues, sometime in the late 1980's air pollution combined with a temperature inversion will kill thousands of people in some United States city.

Sometime during the 1980's, a major ecological system soil or water will break down somewhere in the U.S. and new diseases that humans cannot resist will reach plague

**A group that really has the responsibility for
the social revolution today is us . . . too many
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done one thing about stopping it either.**

proportions. Increased carbon dioxide in the atmosphere will affect the earth's temperature, leading to mass flooding or a new ice age.

The dissident college students see these and many other dangers to their actual existence and believe our generation is totally complacent. Consequently to them, and particularly to the real dissidents, anything goes — the end justifies the means. They don't know how to get to the end, but know that something has to happen. All they know is that unless things change — there is no future.

The third group — the teachers or educators — are also concerned with their own well-being. At the present time, it is impossible to read a morning paper that doesn't relate the story of college faculty leading students in a revolt against the very institution to which they supposedly have dedicated their knowledge and their efforts.

It is almost equally impossible to read a morning paper that doesn't tell of school teachers striking even though the contracts they signed willingly are still legally and morally in effect.

These educators see themselves as second class citizens with no future — with no influence — with no prestige.

In Russia and other totalitarian countries, teachers rate at the top of the economic and social ladders, both in influence and in compensation. In this country they rank well down. They are not paid as much. They are not given as much responsibility in the community. And they are not looked upon as the leaders of society.

Fourth is the clergy. They, too, are confused and looking for direction. They are concerned about the future and concerned about the apparent loss of church influence.

Younger members of the clergy, particularly, are joining revolutionary movements on every front, banishing semblances of fiscal and reasonable responsibility, and dedicating themselves to what they believe is necessary revolution to help the poor and down-trodden. Instead of feeding souls, they are fermenting revolution.

The fifth group rebelling against our society is feeding on the sympathies and frustrations of the others. This is a very small, well-trained, highly intelligent group of revolutionists dedicated to play on the ills of our society and to do everything possible to over-throw all of our institutions, including our government.

Call them communists if you like, but don't underrate them.

A sixth group that really has the responsibility for the social revolution today is us . . . the immediate reaction of many of you would be to say, "I have never in my life done one thing about leading a rebellion in this country."

That is true, but on the other hand, too many of us would have to admit that we haven't done one thing about stopping it either.

Actually, our responsibility is even greater than this. We are the most knowing, most talented, most experienced communicators to be found anywhere in the world, and yet we have not done a very good job of selling the American way of life, nor selling the public on some of the things that must be done to make the social changes of the 70's orderly ones.

The business community has done a great deal to help with the problems of the minority, to help provide employment and integration for minorities. However, we can and must do more. We must realize that this is a multi-racial society and create education, jobs and opportunity.

We must take a much greater interest in our schools. We must participate in education, participate on school boards, provide adequate pay scales for the teachers who are moulding the young people of today.

As a matter of self interest, we must use our influence toward establishing positions that are attractive to the brightest people in our society with the most potential to teach. Teachers hold the destiny of the future in their hands, and to a large degree, we are under-rating, under-paying and under-valuing them.

How long has it been since you sat down with one or more church leaders and talked about the social revolution of today? I am afraid that we tend to relegate churchmen to their place — isolate them, and do not give them an opportunity to play an influential part.

As a result, in order to be heard and in order to vent their frustrations, they turn to the more radical groups who welcome them and, in some cases, use them.

If every successful businessman in the country would devote a portion of his time to listening to and working with church leaders in improving the community, even if he only helped improve communications, it would pay enormous dividends.

A recent survey of college students throughout the country indicated that 70 percent thought businessmen were only concerned with profits, and had little or no concern for people or society. You and I know this is false, but we haven't done a very good job of selling our interest and our participation, nor of convincing the students that American business can and will provide the climate, environment and opportunity for growth more easily and more quickly than any other vehicle.

We have done a poor job of communications. We have failed to make ourselves heard. We have become so detached that in many cases we have allowed well-meaning people in evangelistic zeal protect the rights of only the vocal and dissident minority while the rights of the well-behaved majority suffer.

Regardless of which of the five groups we examine, we

ALUMNI NEWS

realize that permissiveness and lack of communication have to bear some responsibility.

Consider the student. He isn't wondering about what you and I wondered about in school, he is wondering whether or not he will be allowed to live 20 years from now. We can set up lines of communication and let the student know that we, too, are concerned with the future.

We have to take an interest — make ourselves heard, and become involved and improve our involvement if we wish to continue the free enterprise system in the United States. Obviously, many groups, many brains and many plans will be needed to solve the problems of the 70's. The treatment may be long, but society can survive. The students of today will be the leaders of tomorrow, and change can be for the good rather than the bad.

We must do our part toward making the change gradual and for the better rather than catastrophic and destructive. We have a responsibility to our country, to our children and to ourselves to assert our influence on the direction of social change.

How do we become involved? First, by understanding thoroughly the other groups' points of view, no matter who they are, by learning to communicate with them, by studying and knowing the pros and cons of each problem that comes up, and by setting up lines of communication.

Here in the Twin Cities we have a major university whose administration is actively seeking the advice, counsel and help of business. They want our suggestions as to curriculum, format, procedures, and they want our participation both as individuals and as groups. Let's give them our full support and open the lines of communication all the way.

We are currently in what I call a "post-industrial society" — a society that for the first time in history has the capacity to destroy itself, or to create an environment to perpetuate itself at a higher standard than ever before.

It is our responsibility to throw ourselves into this problem and be part of the changes rather than just watch them happen. We must take a position and let our position be known.

We can no longer be afraid to have our opinion public. We must think and consider the various problems and then help to start a course of action.

We can be just as vocal — just as noisy — and a lot more influential than the groups making all of the noise now. We must dedicate ourselves to help correct the ills of our society — not just talk about them — with action, hard work, and maybe legislation.

We must fight to control the ecology and save our environment from destruction, and dedicate ourselves to changes that can be constructive and can do a great deal of good for a great number of people.

We must open opportunities for youth to help them find themselves and give them direction. Listen. Understand. Help.

The opportunities are enormous as we enter the 70's.

We must prepare to enter a decade where man has full control of his environment, and the ability to prolong his life and fulfill all his basic needs and concentrate on his wants. Planning for this decade will be of the utmost importance to every person, corporation and organization.

I suggest that each of you re-examine your own personal planning for the next decade. We are beginning the 70's. Self improvement, both in business and in social involvement, is a must not only to compete. but to succeed — to live.

APRIL, 1970

Within a matter
of days...

three significant
"confrontations"

occurred at
your University.

The news stories
and University reports
on the next pages
affecting —

ROTC
HEALTH SCIENCES
BEAVER 55 / SDS
— concern you, the
Minnesota alumni.

WHAT IS
YOUR
REACTION?

**No legal requirement found
for ROTC at Minnesota**

**Program may receive vocational
rather than academic status**

**University could determine
ROTC courses, stripping some
of academic credit**



UNIVERSITY MAY MOVE TO "CONTROL" ROTC PROGRAM AND STATUS

THE flag-bearing military honor guard, traditionally a part of University commencement ceremonies, was absent at the spring exercises on March 21.

At a press briefing earlier that day, University President Moos had said that a University committee recently recommended the removal of military displays from University functions, and that he had asked ROTC officials if the color guard would participate without the rifles they traditionally carry. The ROTC officials said that their unit would not, under those conditions. And University faculty members were designated for the color guard.

The committee of which Moos spoke was one, comprised of nine faculty members and five students, specially called by him to study University-ROTC relationships 11 months ago. Its report to the University president was made public on March 11.

This report noted that "there is no legal requirement for ROTC at an institution such as the University of Minnesota which can be derived from the Morrill Act of 1862."

The Morrill Act's purpose was to establish at least one college in each state that would teach, among other subjects, "military tactics".

"There is nothing which states

how 'military tactics' would be taught, or by whom," the report notes.

The committee also found that there was nothing in the federal or military reports and agreements relating to ROTC that obligate colleges and universities to have a ROTC program.

The report offered eight recommendations that would apply to Army, Navy and Air Force ROTC on the Twin Cities campus and the Air Force ROTC on the Duluth campus, and maintain the programs on the campuses in an altered form.

The committee recommended the continuation of the program at the University for two basic reasons: the belief that the University "carries a clear responsibility to do all it can to ensure that a component of military officers have experienced the best we can offer in higher education"; and, the belief that the University "has a liberalizing influence on the potential military officer."

The committee also stated that "to those who say that maintaining any relation with the military nega-

tively affects the University, we observe that the facts speak otherwise. We have found no evidence that the existence of ROTC on campus has modified in any fundamental way the behavior of this institution in the pursuit of knowledge."

The report says that the several unsatisfactory features the committee found existing in the current University-ROTC relationships included:

"That the ROTC departments on the Twin City campus are units entirely outside the normal collegiate structure of the University";

"Because curriculum development and review are fundamentally a collegiate responsibility within the University, present arrangements have resulted in inadequate faculty concern and involvement in developing curricula, reviewing courses, and granting degree credits for ROTC programs";

That "the University has by default and agreement permitted an outside agency to determine certain aspects of its curricula. In addition, contracts between the University and the Department of Defense



have not kept pace with recent trends in overhead reimbursement”;

And, finally, that “the conspicuous participation of uniformed military personnel in University ceremonies is not in keeping with the essential character of academic functions.”

To adjust and correct these deficiencies the report offers the following eight recommendations:

RECOMMENDATION 1

The peculiar and special character of the ROTC departments make it difficult to find a wholly suitable administrative location for them in the structure of the University consistent with the prevailing principles governing affiliation of academic units.

We therefore recommend that the four ROTC departments be reconstituted as programs in the General Extension Division of the University.

Though a majority of the committee believes that all ROTC programs should be administratively located in the General Extension Division, special provision must be made for the detailed involvement of the Academic Dean and Provost in administering the ROTC Aerospace program on the Duluth campus.

RECOMMENDATION 2

The Standing ROTC Committee should be replaced with an Executive Committee for the ROTC program on the Twin Cities campus and by an Executive Committee of the ROTC Aerospace program on the Duluth campus.

The functions of the ROTC Executive Committees would be to recommend appointments for ROTC staff members to the dean of General Extension; receive, evaluate and act on any proposals relevant to the ROTC curriculum; and completely evaluate the program of instruction from time to time.

The number of courses that are regular University courses and available for credit to any University student should be increased

and constitute the major portion of the on-campus ROTC program.

Such courses as drill, weaponry and platoon leadership and other activities that are offered as military training specialties should not be given any form of University accreditation and should stand in the same relation to the University as extracurricular activities.

Courses which are appropriate for University accreditation, but have not been established as such through the proper channels should be offered for credit in the General Extension Division, after they have been reviewed and formally recommended as appropriate for University credit by the appropriate academic departments. Credits for these courses would be accepted toward the baccalaureate degree.

RECOMMENDATION 3

The University should take steps to ensure that formal procedures under which a student, before any military service experience, makes an agreement with a ROTC program, shall permit withdrawal without penalty (including immediate active military service) before the student enters the last two years of the ROTC program. The University should not assume responsibility for reinforcing student-ROTC contracts, and present regulations to that effect should be rescinded.

Also, provisions in Armed Services contracts that restrict the right of students to take courses of study which are a legitimate part of the University's liberal education should be terminated.

RECOMMENDATION 4

The officers assigned by the military and accepted by the University should carry the formal titles of Visiting Assistant Professor, Visiting Associate Professor or Visiting Professor. Qualifying the professional titles with “visiting” is properly descriptive of the circumstances of appointment.

RECOMMENDATION 5

The space assignments for the staff and operation of all ROTC programs should be reviewed

through the same procedures that apply to all University programs.

RECOMMENDATION 6

The University should negotiate with the Department of Defense for adequate payment to cover all direct and indirect costs of maintenance and operation of the ROTC programs on a scale comparable to those allowances made by other agencies of the U.S. government.

RECOMMENDATION 7

The University should cease immediately the inclusion of uniformed military personnel in its ceremonial occasions. There is no reason to include the officer commissioning ceremony in the graduation exercises of the University. Provision should be made for the commissioning ceremony, but not during the ceremony in which the academic degrees of the University are conferred.

RECOMMENDATION 8

The University should initiate discussion within the framework of the Big Ten and other appropriate inter-university bodies to examine the possibility of cooperation in negotiating recommended changes with the Department of Defense.

A minority report filed with the report of the majority committee was in agreement with the analysis of the present ROTC program and the conclusion that ROTC should remain on the University campus. However, the minority report disagreed with the placement of ROTC in the General Extension Division.

Instead, the five minority members recommended that the three Twin Cities ROTC departments “be reconstituted as programs within the College of Liberal Arts on the Twin Cities Campus”, and suggest that a “restructuring of the School of Public Affairs might provide the most appropriate locale for ROTC.”

The University-ROTC report was turned over to the University Senate Educational Policies Committee that will consider the recommendations and report to the University Senate.

University Health Sciences could experience major internal reorganization this spring

REGENTS APPROVE A FAR-REACHING MAYO-EDUCATIONAL AFFILIATION

Mayo moves to establish an undergraduate medical school – by 1972 – in Rochester

"Together with the development of the Health Sciences program at the University of Minnesota the agreement reached today (March 13) marks the accomplishment of two vital steps recommended 13 months ago by the Commission of University Presidents, created by the Mayo Trustees and University Regents to advise them regarding the establishment of an undergraduate medical school in Rochester.

"We at the University of Minnesota look forward with great anticipation to the promise and the challenge of this renewed and enlarged affiliation with the Mayo Foundation. Now we can move on toward achievement of the vision of that Commission – 'a team of institutions destined to influence medical education not only in Minnesota but in our nation and the world beyond.'" – Malcolm Moos, President of the University.

A far-reaching statement of medical-educational affiliation between the University and Mayo Foundation was approved by the University Board of Regents in mid-March.

The statement provides a framework for academic and administrative ties between the University and the proposed Mayo undergraduate medical school that will be established as soon as sufficient

funding is assured. This affiliation may also be extended to future Mayo educational programs in the allied health sciences.

Mayo Foundation's Board of Trustees had voted approval of identical ties during their February meeting.

The March statement reaffirms the relationship that has existed between Mayo and the University in graduate medical education over the past 55 years. Its key points and proposals include:

(1) Establishment of a University-Mayo Foundation Liaison Committee whose membership would consist of University Regents, Mayo Foundation Trustees and central administrative officials of both institutions. The committee would coordinate educational efforts of the two institutions to insure the development of the best possible programs of health education for Minnesota.

(2) Long-standing and productive relationships now exist between the University and the Mayo Graduate School of Medicine which conducts graduate degree programs together with residency and internship training at Mayo. However, "there is need of extension of graduate programs into other fields besides those directly concerned with medicine; for example, allied health sciences . . . Existing channels within the two institutions will be able to mount

such programs in the future."

(3) To foster coordination of medical education activities at the University and at Mayo, "the chief executive officer of the Mayo Medical School, the director for education, will be responsible to the president of the University for the development and maintenance of educational programs in Rochester acceptable to the standards required by the Regents . . . The director of education of Mayo Foundation will be appointed by the Regents of the University on recommendation from Mayo Foundation to the president of the University."

(4) Mayo undergraduate medical students will be awarded the MD degree by the Regents of the University on recommendation of the faculty of the Mayo Medical School. Students in the Mayo graduate School of Medicine, in the future as in the past, may work toward MS and PhD degrees, that are conferred by the University's Graduate School.

Degree-granting authority is vested in the University's Board of Regents by its Charter of 1851 and perpetuated in the Minnesota State Constitution.

The University-Mayo affiliation, described in the statement as "an equal partnership of responsible, mature, independent institutions," with mutual recognition of each other's independence

marks another major step toward the establishment of a Mayo undergraduate medical school that has been in the discussion and planning stages for several years.

Dr. Raymond D. Pruitt '44MD, director for education, Mayo Foundation, said that present plans call for an enrollment of 160 undergraduate medical students, with expansion up to 400 as means and facilities permit. Many of the buildings, equipment and personnel necessary to a medical school already exist in the Mayo setting.

Although no opening date has been set for the school, it is anticipated that the first class of 40 students could be admitted as early as 1972.

The school is a priority item in the Mayo Development Program, which seeks \$50 million over the next five years to support undergraduate medical education. Annual operating expenses of the school are estimated at \$3.5 million. It is hoped that about \$1 million of that amount will come from the federal and state governments, with the remainder to be provided by private sources.

The development of the proposed Mayo medical school will be separate and distinct from the development of any four- or five-year college that might be established in Rochester as part of the state's higher education system. However, as pointed out in the statement, "Mayo is vitally concerned in the provision of college-level training in the biological, social and basic sciences in Rochester because of the relationship of these fields to medicine and the allied health sciences.

HEALTH SCIENCES

The report prepared by a committee of distinguished experts in the field of health sciences, who visited the University in January to study the structure and reorganization of the Health Sciences as a division of the University, was

presented to the Board of Regents in mid-March.

The report makes 16 specific proposals and is expected to be the basis of a reorganization plan for the Health Sciences to be accomplished by the Regents. In early May, central administration will present faculty opinions to the Regents who will presumably draw up their reorganization plan then.

The Special Committee on Structure and Governance of the Health Sciences Center, comprised of educators from outside the University, called for dissolution of the College of Medical Sciences and the establishment of a chief administrative officer in charge of Health Sciences. The College of Medical Sciences makes up four of the seven Health Sciences units which include the schools of medicine, nursing, dentistry and public health; the colleges of veterinary medicine and pharmacy, and University Hospitals. The nursing, medicine, public health schools and University Hospitals compose the College of Medical Sciences.

Specific recommendations cited in the report include:

- Heading the Health Sciences Center by a chief administrative officer, dissolving the existing College of Medical Sciences and appointing a dean of the Medical School, and submitting the Center's budget to the Legislature as part of the entire University's budget;
- Keeping the basic science departments an integral part of the Medical School, appointing a coordinator, and encouraging greater interaction among basic sciences faculty and between basic sciences and other health sciences units;
- Establishing a School of Allied Health Sciences to train paraprofessional personnel;
- Eliminating admission restrictions for University Hospital patients, developing an improved program for care of emergency patients, and extending hospital services in new ways to the community while maintaining an autonomous administrative unit in the Health Sciences Center;

- Centralizing affiliation functions with hospitals, community agencies and services in the office of the chief administrative officer;

- Not having clinical or research residents and fellows register as graduate students of the University;

- Establishing the position of director for continuing education for each health sciences unit.

The public's changing expectations in regard to health care delivery necessitate a definition by the Regents of the goals and priorities for the Health Sciences programs, the committee said.

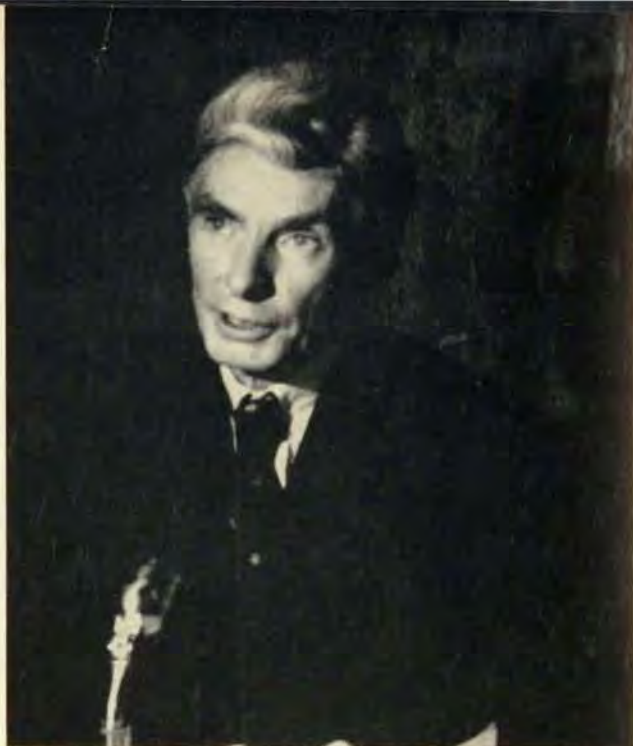
The 11-member committee noted in their report the public's "concern and urgency regarding efficient, equitable and comprehensive health care for all citizens, and the manifest need to provide adequate opportunities for all qualified citizens who wish to pursue health careers."

The external health sciences experts included D. Harold Copp, professor and head of the department of psychology at the University of British Columbia; Rashi Fein, professor of medical economics at Harvard University; Robert J. Glaser, vice president for medical affairs at Stanford University; Alexander Heard (chairman), chancellor of Vanderbilt University; Matthew McNulty, vice president of the health sciences at Georgetown University; Alvin L. Morris, special assistant to the president at the University of Kentucky.

Edmund D. Pellegrino, vice president for the health sciences at the State University of New York, Stony Brook Health Sciences Center; William H. Stewart, chancellor of the Louisiana State University Medical Center; James Warren, chairman of the department of medicine at Ohio State University; Warren Weaver, dean of the School of Pharmacy at the Medical College of Virginia; and, George D. Zuidema, director of the department of surgery at the Johns Hopkins University.

As the Alumni News goes to press, four persons charged with breaking into the criminal justice studies' office on March 6 must file pre-plea motions before April 6. A fifth defendant, who claims to be indigent because he lost his job as a University teaching assistant, has been assigned to a public defender and will enter a plea March 26.

All five defendants were charged with six separate counts in an indictment returned recently by the Hennepin County Grand Jury — aggravated criminal damage to property, rioting, interference with the use of public property, simple arson and two counts of unlawful assembly.



“A Mindless Act of Vandalism”

“The University will take every step necessary to see to it that appropriate charges are brought against those involved,” University President Malcolm Moos said on March 6 after seeing the damage caused to the West Bank office of the Department of Criminal Justice Studies (CJS) about an hour after 15 to 20 “demonstrators” ransacked the office on the first floor of the Social Sciences building.

In what Moos called an “act of mindless vandalism,” files were torn up and burned; desks, chairs and cabinets were overturned and damaged; telephone wires ripped from the wall; books and papers thrown on the floor; some records carried away, and windows broken.

The incident ended quickly. Police ousted the “demonstrators” within five minutes.

The University police, who said that they were “overwhelmed” and did not have the manpower to make arrests, made none immediately.

The raid occurred spontaneously out of a rally of several hundred persons who had gathered earlier Friday afternoon in the Coffman Union Main Ballroom to support “Beaver 55” — a group who claims

responsibility for damaging records at Twin Cities draft offices the preceding weekend.

As individuals sat or milled about the ballroom, a rock band played, speakers praised the Beaver 55 claim to action, a man burned what he said was his draft card, and several men and women read statements that indicated they might be Beaver 55 members.

After several persons had come forward to sign a statement supporting Beaver 55, a man identified as an SDS official and activist, stood up and urged the crowd to go over to the offices of CJS — an SDS target for several months.

It was estimated that under \$1,000 physical damage was done to the office. However, Dr. David Ward lost an important fifth chapter of a book that he and two colleagues were completing, and irreplaceable documents for research projects, lecture notes, and students’ academic records and papers were either missing or destroyed.

On completion of their investigation, the University turned their information over to George Scott, Hennepin County attorney.

In an interview the same night of the raid, President Moos said that the University will “take every measure to see that (vandalism) is not an everyday occurrence.

“We have a policy on demonstrations that was written jointly by faculty and students,” Moos said. “We have the proper machinery necessary to deal with demonstrations.

“Our policy has been that freedom should be the rule, restraint the exception, but we’re not going to tolerate violence and destruction of property. . . .”

On March 10 Vice President for Student Affairs Paul Cashman asked for a Campus Assembly hearing on the charges that the campus chapter of SDS participated as an organization in the CJS attack. He cited a publicity flyer that appeared “to confirm its role.”

On March 19 three persons were arrested on a grand jury indictment charging them with six violations as a result of the CJS raid. Two of the three were University employees.

President Moos indicated that the University had invoked its own disciplinary procedures:

“Two staff members have already been relieved of their responsibilities at the University and proceedings have been instituted to terminate both of them.”

UNIVERSITY baseball coach Dick Siebert will attempt a third consecutive Big Ten title — and a record — this spring.

Another title would mark the second time Siebert-coached teams have won three consecutive championships. Beginning in 1958 the Gophers won straight Big Ten titles, culminating in the 1960 national championship.

If Siebert's team can win the Big Ten this spring, he will become the first conference coach to have twice won three consecutive championships.

Minnesota alumni have come to expect the best in Big Ten and college baseball from Siebert who is now in his 23rd season at the University. Minnesota has won seven of its nine Big Ten championships under Siebert and all three of its national titles.

Siebert teams won Big Ten championships in 1956, 1958, 1959, 1960, 1964, 1968 and 1969. The three national titles came in 1956, 1960, 1964.

His coaching has boosted the Gophers to third in the all-time conference standings for titles won behind Illinois and Michigan. Siebert's record going into this season was 498 wins and 239 losses.

His 1969 team won 35 of those games before being beaten in the NCAA playoffs. It was a team which featured the power hitting of Mike Walseth and Noel Jenke. They, along with eight other lettermen, will not be returning and the loss will be noticed, according to Siebert.

"We'll be a different type of team this season," he said recently. "We'll rely more on pitching and defense since we lost several fine hitters."

The pitching staff will be led by captain Dave Cosgrove and Gary Petrich. They had 7-2 and 7-1 records respectively last season with ERA's under 2.00.

Siebert says if younger pitchers like George Hoepner, Roger Zahn and Bruce Ericson come through to complement Cosgrove and Petrich, pitching will not be a concern.

The Gophers are strong up the middle. Catcher Scott Stein, son of University trainer Lloyd, calls a good game and is more than adequate defensively, according to Siebert.

Shortstop Al Kaminski and second baseman Bob Schnietz contribute to the team offensively as well as defensively. The two seniors hit .297 and .346 respectively last season.

Siebert said he'd look at several players at first base, third base, and left and right field before the Big Ten opener with Michigan State April 25 at Bierman Field.

Gary Morgan, a .308 hitter in the local metro college baseball league last year, is a likely starter at first.

Gopher defensive halfback Gary Hohmen is skipping spring football in hopes of becoming a starting third baseman or outfielder. He's likely to become an important part of the team since his

dave shama's GOPHER TALES



high school play attracted major league scouts and he was eventually drafted by the Minnesota Twins.

Siebert says anyone of several outfielders may fill left and right field. Senior and center fielder Jim Nielsen is expected to supply much of the hitting in that he batted .322 last season with nine home runs.

Siebert hopes to have first base, third base and left and right field filled with reliable players as early as possible and says "if we do we'll have a good team."

THE COMEBACK KIDS

Minnesota's hockey season ended in the NCAA playoffs last month, short of the team's goal of a national championship. The Gophers were eliminated 6-5 by Michigan Tech, but the team should know there are few Minnesota fans who weren't proud of their season.

A point of pride has to be the team's first WCHA championship since 1953-54. It was the first for Coach Glen Sonmor, the spirited Canadian who was voted the WCHA's Coach of the Year.

Sonmor knows that he'll never make a swami, but he doesn't care after this season.

"We trailed in game after game this season only to rally and win," he said. "I told the kids we just couldn't continue to do that and expect to win a title, but we played that way all year."

Down 6-3 late in the finale against Tech, Minnesota saw a rally fall short for one of the few times this season. The Gophers always knew that if they could score late in the game all-American goalie Murray McGlachlan would hold the opposition.

"The finest goalie I've coached and the best in the college game," Sonmor said. "He was the biggest part of our success."

To help resolve the current dilemma of physician shortages

YOUR doctor-of-the-near-future will not be a specialist in child or adult medicine, nor a general practitioner (GP).

He will most probably be a family practitioner—a specialist trained in family medicine: pediatrics, internal medicine, family care and possibly surgery or obstetrics. Unlike most GPs, he will have studied in this field through postgraduate medical training.

The University of Minnesota Medical School began a program to train family practitioners less than a year ago through its new Department of Family Practice and Community Health. The department, headed by Dr. Benjamin Fuller '45MD '50MS, is one of the first of its kind in the nation.

Who will the family practitioner be and what will he do? Fuller says he will be "the physician of first contact," the doctor to see when you don't feel well and who will care for your entire family.

How does the family practitioner differ from other doctors? Internists and pediatricians seem to be moving toward increasing subspecialization, Fuller said. If the patient needs specialized care, the family practitioner will refer him to another specialist.

The family doctor's specialty will be supervision of the family's total health care.

The University has several reasoned interests in training physicians in the family practice area, Fuller said.

The legislature has encouraged such a program to help ease the state's physician shortage. But, Fuller explained, the program was not

initiated to pacify the legislature. Such a department had been contemplated at the University since 1959 or 1960, he said.

The Medical School's Educational Policy Committee formed a subcommittee on family practice and community health in 1967 which produced recommendations on the formation of the new department. Faculty were hired in 1968 and the medical resident training program began in July 1969, with five trainees. The first undergraduate medical school courses were offered last September.

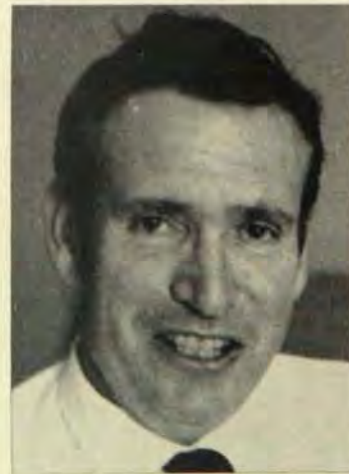
Twelve to 15 percent of the nation's physicians are now in general practice, Fuller estimated, "and that's far too few." Forty-five Medical School seniors have chosen to go into at least one phase of family practice training this year—a number that Fuller is pleased with.

The department has plans to hire five new faculty members each year during its growing stages, but because of its present small size cannot accommodate the interns and residents who would like to enter the family practice program. A few medical residencies will be worked out with clinics and hospitals outside the University in the near future, Fuller said.

Family specialists will be trained in both hospitals and clinics to give them the experience of caring for patients who are both sick and well, Fuller said. Most postgraduate medical training is done in hospitals where interns and residents see only the sickest patients. The family practice department, however, wants to avoid training its physicians in this way.



DR. BENJAMIN FULLER '45MD '50MS (Internal Medicine), was an internist in private practice in St. Paul until 1966 when he joined the University's Department of Internal Medicine. Family medicine soon captured his interest and, in 1967 he began devoting his time to the Department of Family Practice and Community Health of which he is now chairman.



DR. JOHN B. O'LEARY '50MD, an internist who practiced medicine in Brainerd for nearly 13 years, is concerned with establishing a system of medical records for family practice departmental research.

Consequently, the department has asked the University's Board of Regents for permission to seek out an average population of patients—both sick and well—for which its residents will care. The patients would be of all ages and financial standings in order to give trainees, with their own patient-families for whom to care, experience in the full range of a family practitioner's duties.

The family physician will be better trained than the GP. "He won't know everything, but he will be able to make meaningful decisions and use his time more efficiently than the general practitioner," Fuller said.

The report of subcommittee on family practice and community health said the family practitioner's functions will be dependent upon a high degree of expertise in disease prevention and health maintenance, diagnosis and management of common diseases, and coordinating medical interdisciplinary activity.

The family practice department's curriculum, much of which is still

in developmental stages, is to be geared to these dependencies.

Courses concerned with human behavior and family life, observation of care and diagnosis, and actual patient care under supervision have already been incorporated into the Medical School curriculum on an elective basis for those interested in the family specialty.

Since the specialty is only a few years old, there is no way as yet to hire faculty trained in the new field. The pediatricians, internists and general practitioners who now staff the University's family practice department, must be trained in many of the subjects recently added in the specialty to the Medical School curriculum.

This year, family practice staff members are taking courses dealing with family development taught by psychologists and sociologists, and in problem-solving and decision-making taught by a biostatistician. Both classes will be offered to residents next year.

The fledgling department already has plans to evaluate its own effec-

tiveness through research. After family physicians from the University go into practice, department members will attempt to evaluate their effectiveness in the family practice medical care delivery process. In effect, the research will determine whether the department's teaching is beneficial.

And the studies will be an attempt by the department to increase the efficiency of medical care while at the same time helping to decrease the doctor shortage. In an article entitled "An Apologia for (Family) Medicine" in *The New Physician* magazine, January 1970, Fuller paraphrased Harvard economist Rashi Fein saying, "if the efficiency of the physician can be increased by three percent, it would have the effect of adding one graduating class to the total physician manpower pool."

"If one accepts Fein's projection, it is a matter of simple arithmetic to recognize that an increased effectiveness of only 15 percent would be the equivalent of adding 50,000 physicians to the manpower pool," he continued. "According to current estimates, this figure represents the current shortage of physicians in the United States."

Fuller said that redistribution of the physician's tasks is one of the greatest challenges faced in medicine today. The family practitioner, with his extensive knowledge, may be able to do more toward this end than any other medical specialty *by preventive care—stopping the disease before it starts, or in its early stages.*

Such preventive care will involve an extensive knowledge of the patient and his medical history, and as with the general practitioner, the procurement of this knowledge will become an integral part of the family physician's job.

His personal touch will be extremely important in patient care, Fuller said.

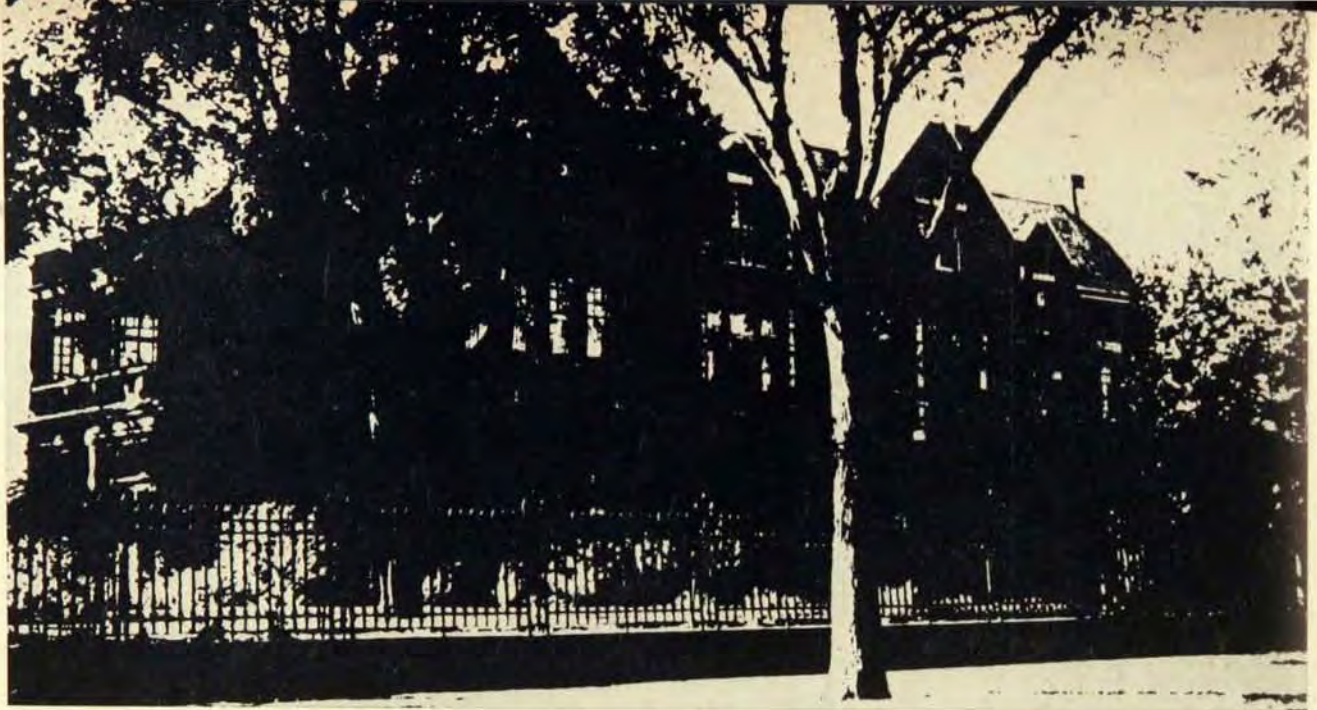
In the *New Physician* Fuller wrote, "It is our hope that this new specialty will help to resolve the current dilemma of medicine of being praised for its progress and impugned for its inhumanity."



DR. JOHN E. VERBY, a general practitioner, practiced in small towns throughout Minnesota before joining the University's family practice unit. He is in charge of a program for sophomore medical students through which they may observe practicing physicians during their free time.



DR. EDWARD DEFOE, an academic-pediatrician-turned-family-practice-department-member, is involved with the Community University Health Care Center where family practice trainees gain experience with a population of average patients.



YOUR SPECIAL
INVITATION TO A
SINGULAR HOUSE

NEXT MONTH, VISIT THE GOVERNOR'S MANSION

WOMEN graduates of the University as well as former students living in the Twin Cities metropolitan area have a *special* reason to join the Minnesota Alumnae Club this year.

If they accept the *special* invitation of the Club, they will be the Club's guests as a welcoming tea in the Governor's Mansion on Saturday, May 9, from 2 to 4 p.m.

The State of Minnesota was presented with the 60-year-old Summit Avenue stone and red brick home of St. Paul lumberman Horace Irving in 1965. In accepting the gift which the legislature designated the "State Ceremonial Building" as well as the home of Minnesota's First Family, the state became one of the most recent to acquire a residence for its governor.

The English Tudor house has 20 rooms, in addition to closets, bathrooms, pantries, porches and other service areas. High windows, vaulted ceilings, nine fireplaces and a sunken marble solarium provide an impressive setting for entertaining official guests and dignitaries — and in May, Minnesota alumnae.

The welcoming tea will give alumnae an opportunity to see the much-publicized structural improvements, replacement of furnishings and outside improvements that were recently completed. And the girls can compare their interior decorating tastes with those of the state's First Lady — Mrs. Harold LeVander directed the furnishing of the interior.

Utilizing the state colors of blue and gold along

with shades of green, Mrs. LeVander has brought Minnesota history and lore into her home. Representative of this arrangement is a large area rug in the solarium, designed from a Red Wing pottery plate, which carries the state motto, *L'Etoile du Nord* — the Star of the North.

Alumnae can walk from the newly-enlarged patio into the Minnesota Garden where native trees, plants and wildflowers grow, surrounding a small pool where the state bird and fish swim.

Only Alumnae Club members will be admitted to the tea. Consequently, a membership card will admit Minnesota alumnae, or they can pay \$10.00, if non-members, at the door during the day of the event. If an alumnae's husband is an MAA member, she will be admitted for \$2.00. *However, advance reservations for the tea are necessary.*

Membership in the Alumnae Club means membership in the Minnesota Alumni Association; eligibility for membership in the Alumni Club located in the Sheraton-Ritz Hotel, for low group rates on both life insurance and hospital maintenance insurance, and to use the University's two golf courses; a subscription to ten issues of the Alumni News, and other exciting University-oriented meetings sponsored each year by the Club.

To become a member and make reservations for the tea, contact the Minnesota Alumnae Club, 205 Coffman Union, University of Minnesota, Minneapolis 55455, telephone 373-2466.

THE ALUMNI

TWIN CITIAN AND CALIFORNIAN RECENTLY NAMED TO REPRESENT MINNESOTA ALUMNI

John K. Hass '31, a member of the law firm of Weldon, Hass & Luc, Santa Barbara, California, was recently appointed to the board of directors of the Minnesota Alumni Association to fill the unexpired term of Dr. John Aldes (deceased), representing alumni in Region VIII, Southern California. Hass' current term on the board will expire in 1972.

Admitted to practice in Minnesota in 1939, the native Iowan was special assistant attorney general for the State of Minnesota until he resigned in the fall of 1946 to enter private practice in Santa Barbara. Hass has held and holds several varied civil, professional, teaching and political offices in many California areas, in addition to his national commitments.

Since being in Santa Barbara he has served on numerous campaign committees for Republican candidates as well as in every office of the Santa Barbara Bar Association, including the chairmanship of the Disciplinary Committee. Hass has



JOHN K. HASS '31



OWEN K. HALLBERG '46MSAg

been admitted to practice before the U.S. Supreme Court.

Owen K. Hallberg '46MSAg, member of the board and director of public relations for Land O'Lakes Creameries, Inc., St. Paul, has been named as the Minnesota Alumni Association's alumni representative on the new Minnesota Student Union Coordinating Board,

the University agency responsible for coordinating the programs and activities of student union facilities on the Minnesota campuses.

Hallberg is well-known to University community for his vigorous chairmanship of the fund-raising committee for the St. Paul Student Center, a recent welcomed addition to that campus.

MAA 66th Annual Meeting & 21st Annual Honors Presentation

JUNE 2, 1970 • SHERATON-RITZ HOTEL
RECEPTION FOLLOWING IN ALUMNI CLUB

The 66th Annual Meeting of the Board and Membership and the 21st Annual Honors Presentation of the Minnesota Alumni Association is scheduled for June 2, 1970, in the Sheraton-Ritz Hotel, Cotillion Ballroom, Minneapolis, with a reception following in the Alumni Club.

Outgoing MAA President James Watson '42BA will preside over the meeting. Presenting three Outstanding Achievement Awards and two Alumni Service Awards will be University President Malcolm Moos.

The five new MAA Board appointments and officers for 1970-71 will also be announced at the meeting.

CLA/UC ALUMNI TO MEET APRIL 30 FOR ANNUAL MEETING

The College of Liberal Arts & University College Alumni will hold their annual meeting on April 30, at the Alumni Club in the Sheraton-Ritz Hotel, Minneapolis. A social hour will open the event at 6:00 p.m., with dinner at 7:00 p.m.

Two Outstanding Achievement Awards and two Distinguished Teacher Awards will be presented during the evening. A number of student leaders, as guests of the alumni, will be among those to hear Professor Toni McNaron, guest speaker.

SCHOOL OF NURSING ALUMNAE ASSOCIATION IS NUMBER ONE 1969 CONSTITUENT GROUP

The Minnesota School of Nursing Alumnae Association is Number 1.

In recognition of their dedicated support of the University's School of Nursing and innovative constituent programming, the nursing group was named the Outstanding Constituent Association of 1969 in mid-March. They edged out the School of Dentistry Alumni and Institute of Technology Alumni Associations in the voting, and will receive the annual award at the Minnesota Alumni Association's spring board meeting in late April.

The Nursing Alumnae will be cited then for programming that included a record eight yearly board meetings, telephone and annual meeting membership campaigns, a successful and well-attended annual meeting, class reunions for six graduate classes, and a faculty-alumni seminar as well as a tea at the National League for Nursing Convention in Detroit for Minnesota alumni and faculty.

Their faculty-alumni seminar was particularly well-received.

The Nursing Alumnae Board members submitted a series of thoughtful questions relating to the nursing program at Minnesota prior to the meeting to the School of Nursing faculty who were to attend the joint gathering. The faculty, in turn, spoke to these questions during the meeting, in a well-planned procedure that generated informative, productive discussion.

The Nursing Alumnae Association's Alumni Fund project did well in 1968, and the group doubled its revenue in 1969. The alumnae also held a joint meeting with the University's Nursing Student Council and a student-alumni tea in order to acquaint coming graduates with the alumnae group.

They have also been active in

their support of MAA's major projects, in seeking out and nominating outstanding alumnae for University honors, and in producing an excellent newsletter for their membership.

After the seminar, alumnae can tour Powell Hall, now the home of the University's School of Nursing. Student tour leaders will be available to show interested persons through a facility that was initially an all-nurses dormitory, then a residence hall for female students, before it was renovated for its current use.

Any alumna who plans to attend the evening banquet and wishes to sponsor a student at the meeting, is asked to do so. Such sponsorship will cost \$5.50.

TWO PROMINENT EDUCATORS HONORED WITH UNIVERSITY OAA AWARDS



Two distinguished educators with a panorama of outstanding achievement and leadership, Dr. Walter D. Loben '32BSEd '49PhD (*left above*), professor of English at the University of California, Berkeley, and Dr. Howard R. Jones '33BSEd '34MA (*at right*), dean of the College of Education, State University of Iowa, both received the University's Outstanding Achievement Award at the College of Education Alumni Association's Annual Meeting on April 23. Dr. Jones best expressed the feelings of the two men on receiving the award: ". . . It is still to me a matter of wonder and awe, the ways in which professors, library and the University culture inducted me into a richer life than I had ever imagined."

The Centennial "Portrait of Minnesota"

In celebration of Minnesota's 100th Anniversary, noted American artist Ralph Avery was commissioned to paint three of the most familiar and best-loved views of the University campus: Burton Hall, Northrop Memorial Auditorium and the Bridge Approach to the West Bank.

Limited first edition reproductions of these commemorative paintings, on rich watercolor-type paper, are now available, while they last, at \$25.00 per set, unframed.

Place your order today with the Minnesota Alumni Association, 205 Coffman Memorial Union, University of Minnesota, Minneapolis 55455.

AT NURSING ALUMNAE DAY . . .

Pioneer Psychiatric Nursing Educator Will Be Cited by Alma Mater

A pioneer in psychiatric-mental health nursing education, Miss Esther A. Garrison '40BSN '44MA will be honored by the Minnesota School of Nursing Alumnae Association during its Annual Alumnae Day on April 29.

In 1947, the National Institute of Mental Health (NIMH) recognized an increasing national and local need for psychiatric nurses and began planning to provide leadership through training programs. Miss Garrison was in Washington, D.C., working as a Nursing Education Consultant with the U.S. Public Health Service (USPHS) division of nursing education. NIMH named her training specialist in Psychiatric-Mental Health Nursing and chief of its Nursing Section, Training and Manpower Resources Branch.

From that point on Miss Garrison's career and the developments of psychiatric nursing became intimately related. As the only nurse member of the NIMH training staff from 1947 until late in 1950, she provided needed and vigorous leadership to develop the new nursing field and to broaden the NIMH program, answering the needs for psychiatric nursing personnel at every level. In early 1966 NIMH named Miss Garrison chief of the newly-formed Psychiatric Nursing Training Branch.

Miss Garrison's accomplishments, reflected in both the present NIMH training program and in the state of the psychiatric nursing profession, successfully interpreted the required training that would meet patient care needs, as well as insured that professional training standards were met and the real potential contribution that nursing could make for the mental health of the nation was realized.

Her work with universities and colleges to secure recognition of and status for psychiatric-mental

health nursing education significantly enhanced the image of psychiatric nursing among fellow professionals, and had an important impact on the student trainee.

After 22 years of service, she left NIMH in 1969 to become lecturer and coordinator of Project for Doctoral Preparation for Nurses in the Psychiatric Field at the University of California Medical Center, School of Nursing, San Francisco.

Her success has also been apparent in the honors she has achieved in the educational world and in the Public Health Service.

This year the University will present her with their Outstanding Achievement Award.

The School of Nursing Alumnae

will also sponsor an afternoon seminar during their Alumnae Day that will feature Doris Miller, associate dean of the School of Nursing, University of California, San Francisco, speaking on "The Nature of Nursing Practice". She will be followed by a reaction panel composed of University faculty members. Registration for the seminar, to be held in Powell Hall on the Minneapolis campus, begins at 1:00 p.m. The seminar will start at 1:30 p.m.

The evening banquet, also scheduled for the Minneapolis campus, begins at 5:30 p.m. Special tables will be reserved for the reunion classes of 1940, 1950, 1955, 1960 and 1965.

Reservations for the afternoon seminar, are \$1.00 per person payable at the door, and/or for the banquet, \$5.50 per person. Contact the Nursing Alumnae Association.

APRIL-MAY OUTSTATE ANNUAL MEETINGS

- BENSON** — April 2 with Dean Keith McFarland as speaker. Bruce Halverson, chapter president.
- CHISHOLM-HIBBING** — April 16 with Glen Sonmor, Hockey coach, as speaker. Dr. Bernard Halper, chapter president.
- JACKSON COUNTY** — April 23, in Lakefield, with Prof. Carl Auerbach as speaker. Curtis Pietz, chapter president.
- LIVERNE** — April 27 with Dr. Wallace G. Kubicek as speaker. Dr. Gordon Hamann, chapter president.
- MANKATO** — April 23 with Prof. John R. Borchert as speaker. Dr. Dan Hanson, chapter president.
- PIESTONE** — April 14 with Dr. James App as speaker. Dr. W. K. Argetsinger, chapter president.
- REDWOOD FALLS** — May 5 with Dr. Lyle French as speaker. Dr. Robert Kleinart, chapter president.
- VIRGINIA** — May 8 with Dr. Karlis Kaufmanis as speaker. Clarence Ivonan, chapter president.
- WADENA** — April 9 with Dr. John P. Brantner as speaker. Mrs. Mary Horsager, chapter president.
- WASECA** — April 29 with Dr. Ivan Frantz as speaker. Dr. W. H. Rethwill, Jr., chapter president.
- WHEATON** — April 27 with Martin Snoke & Panel as speakers. Dr. Harold Weickert, chapter president.
- WILLMAR** — April 14 with Prof. Robert T. Holt as speaker. Henry Schmidt, chapter president.
- WINDOM** — April 21 with V.P. Stan Wenberg as speaker. James Remund, secretary-treasurer of chapter.

AROUND & ABOUT



KUHARSKI

Social Work

'59

James (Terry) Sarazin '59MSW '66MPA, Minneapolis, has been appointed director of the community programs section of the Minnesota State Department of Public Welfare's Medical Services division. An assistant section director in the division since 1967, he was previously supervisor, division of domestic relations, Hennepin County department of court services for four years; a counselor at the Hennepin County Home School for Boys, Glen Lake; and a probation officer in the adult division, Hennepin County department of court services.

CLA

'36

Donald Leaf '36BS, Minnetonka, Minnesota, has been appointed director of acquisitions for Heritage Nursing Centers, Inc., Minneapolis. For the past eight years he has been administrator of Heritage of Edina nursing home.

'49

Dr. Charles E. Treanor '49BA, Williams, New York, has been appointed head of the aerodynamic research department of Cornell Aeronautical Laboratory, Inc. (CAL). He has been acting head of the department for the past year, having joined CAL in 1951. Treanor was appointed visiting professor of physics at Stanford University in 1966, and was named assistant head of CAL's aerodynamic research department on his return from Stanford.

'52

Donald J. Clarkin '52BSEcon, Naperville, Illinois, has been named senior vice president of Valley Forge Life Insurance Company, a member of the CNA/insurance group. He presently serves as head of administration, with responsibility for accounting, service, premium and loss processing. Clarkin joined CNA/insurance in 1961.

'57

Edwin C. Culbert, Jr. '57BA, Duluth, Minnesota, was recently awarded the Chartered Life Underwriter designation at National Conferment Exercises of the American College of Life Underwriters in Washington, D.C. He has been in the insurance business for nine years.

'60

George H. Zubulake '60BA, East Brunswick, New Jersey, regional pension consultant for the Equitable Life Assurance Society of the United States in the New York office, was recently selected to appear in the 1969 edition of *Community Leaders of America*. His recognition results from his community involvement during four years as a resident of Mt. Lebanon, Pennsylvania. During this time, Zubulake was a member and officer of Minnesota's Pittsburgh alumni club, the Mt. Lebanon Jaycee chapter, Theta Chi

alumni fraternity association, Mt. Lebanon United Presbyterian Church and the Mt. Lebanon Civic League. He was selected as "Key Man" of the Jaycee chapter for three consecutive years, and two years ago his efforts led to his inclusion in the 1968 *Outstanding Young Men of America*, a national publication. Mrs. Zubulake (Phyllis M. Gay) is a 1962 graduate of the College of Liberal Arts.

'61

James P. Kuharski '61BA, Staten Island, New York, has been elected a vice president of Irving Trust Company of New York. Kuharski, who joined Irving in 1961, is a loaning officer of the bank's National Division.

'67

Two Minnesota alumni recently received advanced degrees from Princeton University. *Brendon B. Godfrey* '67BS, Minneapolis, was awarded a master of arts in physics, and *Morgan Thomas* '67BA, Minneapolis, a master's in public affairs.

'68

Gary R. Browning '68BA, Anaconda, Montana, was promoted to Army specialist four recently, while serving with the First Infantry Division in Vietnam. He is a clerk-typist with the division's first administration company. Browning, who entered the Army in April 1969, was sent overseas in September.

PFC Bruce L. Thorvig '68BS, Minneapolis, is an operations and intelligence specialist with the Army headquarters and service battery, Second Battalion, 77th Artillery of the 25th Infantry Division near Cu Chi, Vietnam. He entered the Army in April 1969 and was stationed at Fort Sill, Oklahoma, before going overseas in September.

James H. Gamble '68BA, Minneapolis, was promoted recently to Army specialist five while assigned to the 20th Engineer Brigade near Tay Ninh, Vietnam. Gamble is an information specialist in headquarters company of the brigade's 588th Engineer Battalion.



Minnesota Key Ring

Something you'll like, Regents' Medallion. Perfect for a birthday, anniversary, or just a

gesture of thoughtfulness. Members \$.85; others \$1.00. (Add 3% State Excise Tax TO TOTAL. Minnesota residents only.)

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Minneapolis, Minnesota 55455

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Name (in full)

Street Address

City Zone State

I am a member.



IMMER



ANDERSON



NELSON

Agriculture

'31

Robert H. Jewett '31AE represented the University of Minnesota at the fall inauguration of Dr. David L. McKenna as fifth president of Seattle Pacific College, Seattle, Washington.

'50

Steve Wise '50BSFor, Fall Creek, Wisconsin, became a bank cashier in Fall Creek recently after more than 19 years with the Conwed Corporation, St. Paul. While at Conwed, Wise, as a project director, developed a process for making mineral fiber tile from the molten rock waste of blast furnaces. He resigned to go to work at the State Bank of Fall Creek, becoming the third generation of his family to be in the bank. His grandfather was one of the organizers of the bank in 1903 and served as its first cashier. Wise's father is currently president of the bank.

'58

Stuart V. Immer '58BSAg, Overland Park, Kansas, became regional merchandising specialist in agricultural chemicals for Standard Oil at the Kansas City regional office in October, 1969. Previously he had been supervisor of the agricultural chemical plant in Albert Lea, Minnesota, and is a past president of the Minnesota Alumni Association club there.

Law School

'30

Carl M. Anderson '27BA '30JD, Summit, New Jersey, has retired as secretary of Merck & Company, Inc. At the time of his announced retirement, he served as a member of the pharmaceutical and chemical firm's board of directors, and as president of The Merck Company Foundation. Anderson joined Merck in 1934 as director of the Legal Department and served as executive assistant to the president, director of foreign activities, before his election as secretary in 1956. Last year he

was elected to the board and will continue as a director until his term expires. Anderson joined Merck after coming from the New York law firm of Root, Clark, Buckner & Ballantine. In 1966 he received an honorary Doctor of Law degree from Wagner College, Staten Island, New York, and, in 1968, the Outstanding Achievement Award of the University of Minnesota.

Medical

'44

Richard M. Magraw '39BS '44MD has been appointed associate dean and director of program planning and development in the College of Medicine at the University of Illinois' Medical Center campus, Chicago. He comes to Illinois following a year as deputy assistant secretary for Health Manpower in the U.S. Department of Health, Education and Welfare. Dr. Magraw was a member of the Minnesota medical faculty in the departments of Psychiatry and Neurology and Internal Medicine from 1950 until he took a leave of

absence in 1967. He was named assistant dean of the Medical School in 1959 and directed Minnesota's Comprehensive Clinic program from 1960-67.

Journalism

'58

Thomas C. Nelson '58BAJourn, Rye, New York, has been appointed general manager (New York) for Padilla, Sarjeant, Sullivan and Speer, Inc., Minneapolis-based public relations firm. Showing a background in newspaper, agency and military public affairs, Nelson is also a published author and photographer. He has been serving as senior publicist for Minnesota Mining and Manufacturing's public relations office in New York.

Nursing

'69

Deborah G. Riese '69BSNurs, Wadena, Minnesota, was recently promoted to first lieutenant in the Army Nurse Corps. Lt. Riese is a nurse at the Irwin Army Hospital, Ft. Riley, Kansas.



MINNESOTA GLASSES Set of 8

A beautiful set of 8 glasses with baked-on U of M design, chip-proof rims, weighted bottoms. 12½-oz. size. Packed in safety cartons. Price includes postage and handling. To members: in-state \$3.50; outstate \$3.75. Others: in-state \$4.00; outstate \$4.75.

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Please send _____ set(s) of Minnesota Glasses (8 glasses per set).
Enclosed is my check for \$ _____.

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Dentistry

'49

Dr. Dorrance Anderson '49DDS, Santa Barbara, California, recently returned from Sierra Leone where he gave dental care to the natives who had formerly received none. "Several years ago, my wife and I and our two sons determined to give a few months a year and some of our worldly possessions to unfortunate peoples of the world — by giving assistance in dentistry," Dr. Anderson said. In the last 10 years he and his family have set up dental clinics in 10 countries and on the ship *Hope*. Each member of his family has served as a dental assistant. "We plan to keep making these trips as long as we are so blessed and can accomplish them," he declared.

'65

Dr. Arnold J. Hill '61BA '63DDS '65MS, Rochester, Minnesota, was recently appointed consultant in dentistry for children to the Mayo Clinic. Dr. Hill practiced dentistry from 1963 to 1970 in Minneapolis and Rochester.

Graduate

'35

Dr. George Gordh '35MA, has won a grant for research on St. Anselm from Hollins College, Virginia, and the Ford Foundation. Dr. Gordh is a professor of religion at Hollins.

Eunice Verna Flock '35PhD, consultant in biochemistry in the Mayo Clinic since 1936 and professor of biochemistry in the Mayo Graduate School of Medicine, University of Minnesota, Rochester, retired from these posts October 1. She came to Rochester in 1930 as an assistant or technician in biochemistry with Dr. Jesse E. Bollman in the former Mayo Foundation Institute of Experimental Medicine. In 1933 she became a fellow in physiological chemistry in the Mayo Graduate School of Medicine, and received her PhD in that field before appointment to the Mayo

staff as a consultant. Dr. Flock is the author of more than 130 papers in the medical and scientific literature in her field of research.

Dr. Richard D. Mullineaux '35PhD, El Cerrito, California, has been named general manager of research and development for Shell Development Company's marketing, transportation and supplies, and manufacturing organizations. Dr. Mullineaux joined Shell as a chemist in 1951 and was appointed research supervisor in 1960. Three years later he transferred to the Shell Oil Company, then returned to the research center in 1968, to become director of general science.

'36

Stephen Stephan '36PhD, Fayetteville, Arkansas, recently resigned as chairman of the department of sociology at the University of Arkansas to return to full-time teaching and research.

'38

Four Minnesota graduates have recently been elected to 1970 chairmanships of American Chemical Society (ACS) divisions. *Dr. Frederick K. Broome '38MS* is chairman of the ACS division of chemical literature. From 1938 to 1942 he was with the U.S. Department of Agriculture; the

next year he joined Armour & Company as a research chemist. He later became manager of product development and then joined the technical information department. In 1960 Broome was named research liaison at Abbott Laboratories, and is currently manager of Abbott's research information department.

Dr. Frederick G. Bordwell '37BS, '41PhDChem is chairman of the ACS division of organic chemistry. Author of over 100 research publications and a textbook, he served on the editorial board of the *Journal of Organic Chemistry*. Dr. Bordwell conducted studies, under a National Science Foundation Fellowship, at the Sorbonne in Paris and the University of California at Los Angeles. He is a professor of chemistry at Northwestern University.

Dr. Jeanne M. Shreeve '56MS is chairman of the ACS division of fluorine chemistry. She is professor and acting head of the department of chemistry at the University of Idaho.

Dr. Raymond E. Counsell '57PhD is chairman of the ACS division of medicinal chemistry. A professor of medicinal chemistry in the College of Pharmacy and department of internal medicine at the University of Michigan, Dr. Counsell is a member of the medicinal chemistry study section for the National Institutes of Health and is chairman of the medicinal chemistry section of the Academy of Pharmaceutical Sciences. He joined the staff of the University of Michigan as an associate professor of pharmaceutical chemistry; he was previously senior research chemist with G. D. Searle and Company, Chicago.

'48

Dr. William A. McClelland '46MA, '48PhD, Alexandria, Virginia, has been named president-elect of the District of Columbia Psychological Association. He is also executive vice-president of the Human Resources research organization. In 1967 and 1968 Dr. McClelland served as president of the division of military psychology of the American Psychological Association.

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REGER

'49

Dr. Donald R. Grubb '49MA, head of the journalism department at Northern Illinois University, DeKalb, Illinois, was recently chosen president-elect of the American Society of Journalism School Administrators. Other Minnesota alumni serving with him on the journalism department's faculty include *Quintus C. Wilson '53PhD*, professor; *Donald F. Brod '68PhD*, assistant professor, and *Abraham Z. Bass '69PhD*, assistant professor.

Joseph V. Reger '47BS '49MS, Overland Park, Kansas, has been named president of the Paniplus Company, producer and distributor of additives for baking and food industries. In 1950 Reger joined Foremost-McKesson in San Francisco and worked in research, technical service, technical sales, sales management and marketing. He left the position of market-

ing director of the industrial division and joined Paniplus as vice-president and director of marketing.

'52

Dr. Glenn H. Hamor '52PhD, Los Angeles, California, was recently named head of the University of Southern California (USC) chapter of The Sigma Xi, a national honor society for the encouragement of scientific research. Dr. Hamor is professor of pharmaceutical chemistry at USC where he is doing research with artificial food sweeteners.

'53

Dr. Harry D. Crawford '44BS '47MA '53PhD, Cochran, Georgia, joined the faculty of Middle Georgia College as associate professor of physics and engineering recently. He has taught electrical engi-

neering at Oklahoma State University and worked as a physicist at the St. Barnabas Hospital Research Foundation, the General Electric Company Electronics Laboratory and the Veterans Administration Hospital, Minneapolis.

'55

Dr. Gene M. Nordby '49MS '55PhD, Norman, Oklahoma, was named vice president for administration and finance at the University of Oklahoma. Dr. Nordby has been dean of the College of Engineering there since 1962 and has served as head of the department of civil engineering at the University of Arizona, director of the Arizona Transportation and Traffic Institute, program director for engineering sciences with the National Science Foundation in Washington, D.C. and consultant to the U.S. Office of Education.

'56

Patricia M. Denker '56MA, Muncie, Indiana, has been promoted from instructor of elementary education at Ball State University, Muncie, to assistant professor. She has been a member of the Burris School elementary education faculty since 1964 and has taught in public schools throughout Wisconsin.

'58

Joseph B. Ponte, Jr. '58MS, Weston, Connecticut, has been named research supervisor of the cereal research laboratory group, ITT Continental Baking Company, Inc., Rye, New York, where he will have responsibility for cereal research projects. He was formerly senior research chemist for Continental.

'62

Clayton Diskerd '62MA, Kenosha, Wisconsin, received a grant of \$600 for research and creativity projects from the Lutheran Church in America and the Carthage College board of trustees. Diskerd is director of special schools at Carthage. He was a research assistant at the University and a social studies teacher in the Anoka-Hennepin School District before joining the faculty at Carthage in 1962.

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Institute of Technology

'06

Two University alumni have joined together to change the name of a 57-year-old consulting engineering firm from Walter H. Wheeler Inc. to Wheeler & Tillitt Inc. *Walter H. Wheeler '06BCE*, internationally known in the field of structural engineering was a partner in a consulting engineering firm in Denver before moving to Minneapolis to found the present company. He is the inventor of the "smooth ceilings system" of flat slab concrete construction. His best known local work is the Mendota Bridge. A 1952 recipient of the University's Outstanding Achievement Award, Wheeler helped establish the building code standards for the concrete industry which are in use today.

James C. Tillitt '59MSCE, joined Wheeler, Inc. in 1960 and is now the corporation's president. He is noted for design of grain elevators, buildings, railroad and highway bridges. Tillitt was structural engineer with Schuett-Meir Company before joining Wheeler, Inc.

'32

William Crawford Hill '32BCE, Salem, Oregon, was appointed executive secretary of the Oregon State Board of Engineering Examiners. Hill retired from the Oregon State highway department as foundation engineer for the bridge division and served as 1969-70 president of the Willamette branch of the American Society of Civil Engineers, and as a member of the Polk County Tax Equalization Board and the Orchard Heights Water Association. He is associated with Shannon and Wilson, Inc., Portland, West Coast consultants in foundation engineering and soil mechanics.

Russell F. Erickson '32BME, Scarsdale, New York, was recently elected chairman and chief executive officer of International Telephone and Telegraph's Rayonier Incorporated. Erickson has been with ITT Rayonier since 1946 and has been the company's president and chief executive officer since 1958.

'36

M. I. Landsberg '36BCE, Minneapolis, was recently promoted to vice-president and general manager of the Resco division of Interplastic Corporation, producer of synthetic resins and finished molded products. He had been the division's general manager.

Veterinary Med

'33

Dr. Benjamin S. Pomeroy '33DVM, St. Paul, was recently named Minnesota's "Veterinarian of the Year" by the Minnesota Veterinary Medical Association. Dr. Pomeroy, who is head of the department of Veterinary Microbiology and Public Health at the University, has written over 70 scientific papers on poultry diseases and disease control. He has been on the University staff since 1933.

'68

Bonnie V. Gustafson '66BS '68DVM, the only woman instructor in Texas A&M University's College of Veterinary Medicine, will work in research and teaching comparative and clinical anatomy. A native of Minneapolis, she comes to Texas A&M from Minnesota where she was an instructor in the department of Veterinary Medical Surgery and Radiology. Dr. Gustafson is a member of the American Veterinary Medical Association, Women's Veterinary Medical Association, Equine Practitioner's Association, and the Palomino Horse Breeders of America, which she serves as national director and inspector.

Education

'54

Lieutenant Colonel Alice C. Taylor '54MAEd, a nurse at Walter Reed General Hospital, Walter Reed Army Medical Center, recently retired from the U.S. Army Nurse Corps. She was awarded the Army Commendation Medal for her meritorious service as educational coordinator in the Department

of Nursing from 1967-69. Miss Taylor entered the service in 1943 and has since that time served at various medical posts throughout the United States, the South Pacific, Korea and Europe.

'59

Paul J. deWahl '50BS, '59MA, Coon Rapids, Minnesota, has retired from the field of education due to permanent disability from lateral sclerosis. DeWahl spent 18 years in education teaching in Minnesota, Arizona, Washington, Austria and Germany. For the past nine years he was an elementary school principal in Minnesota.

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