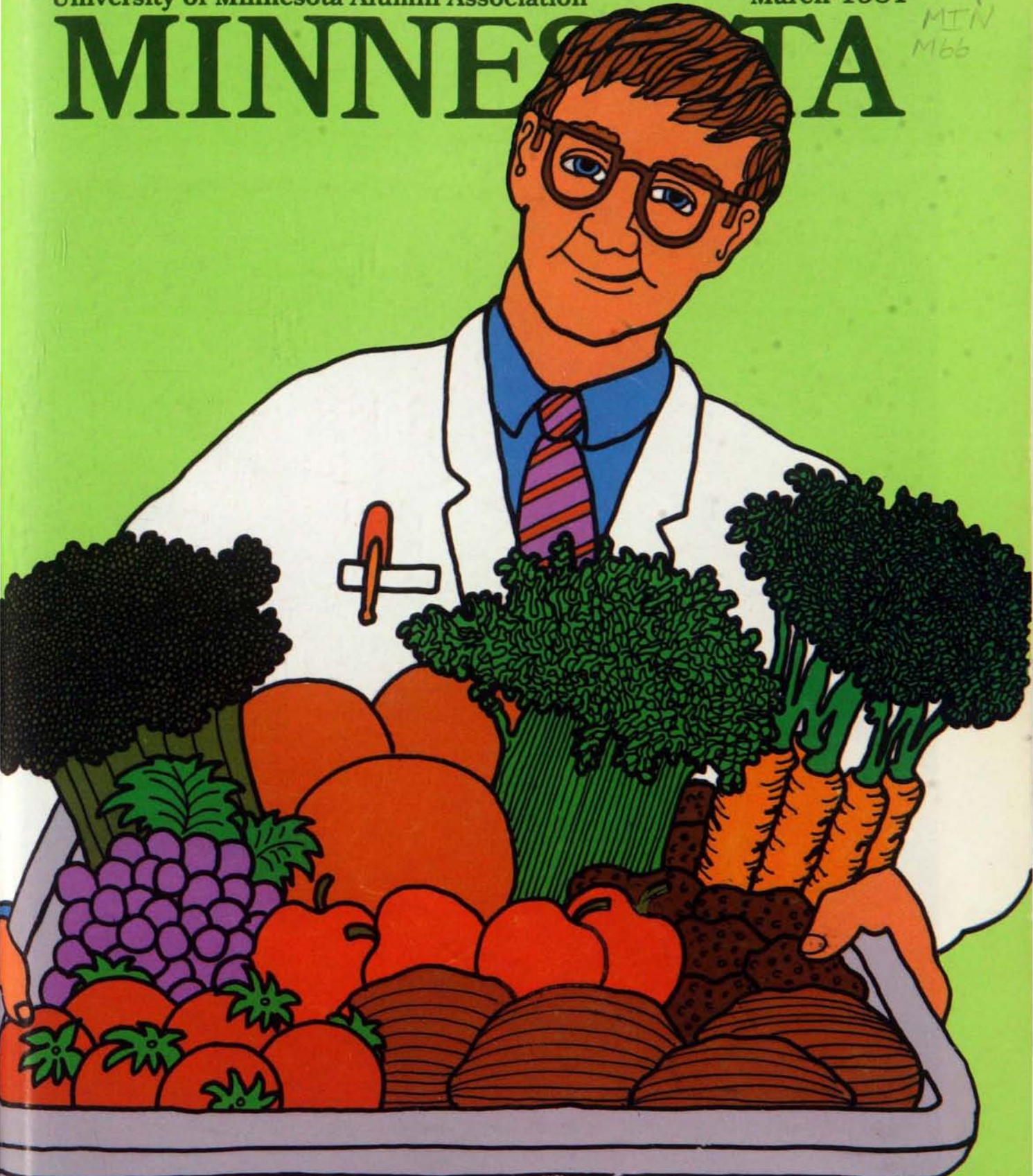


University of Minnesota Alumni Association

March 1981

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MINNESOTA

March 1981

Volume 80 No. 5

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Inside Front Cover: Cellist David Carter, a senior in music, was given a \$1,000 award by the Women's Association of the Minnesota Orchestra (WAMSO) and an opportunity to perform with the Orchestra, Henry Charles Smith conducting. David also won a scholarship to the North Carolina School of the Arts summer session. Photo by Tom Foley.

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Minnesota, March 1981, Number 5, is published monthly from September through June, except January and February, by the Minnesota Alumni Association, 100 Morrill Hall, 100 Church Street SE, Minneapolis, Minnesota 55455 (612-373-2466). Second-class postage paid at Minneapolis, Minnesota, and additional mailing offices. *Minnesota* is sent to dues paying members of the Minnesota Alumni Association. Member of the Council for Advancement and Support of Education. Postmaster: Send form 3579 to *Minnesota*, 100 Church Street SE, Minneapolis, Minnesota 55455. © by Minnesota Alumni Association. *Minnesota* is a continuation of *The Minnesota Alumni Weekly* founded in 1901.

AT THE 'U'

He's only the 56th person in 129 years to get an honorary degree

Mass Spectrometer Inventor Honored

ALFRED O. C. NIER, regents' professor emeritus of physics, whose expertise has long been acclaimed in the scientific community, was awarded an honorary doctor of science degree by the University of Minnesota at the recent Graduate School commencement.

Nier, 69, was a pioneer in the development of the mass spectrometer, an instrument for measuring the mass (weight) of molecules.

As a participant in the Manhattan Project in the early 1940s, Nier used the mass spectrometer to isolate a sample of uranium-



Alfred O.C. Nier helped launch the atomic age, helped build the atomic bomb, helped search for life on Mars.

235, the isotope that led to the development of the atom bomb.

Although he specialized in the development and use of the mass spectrometer, the remarkable versatility of this device led Nier into many fields, such as geology, chemistry, medicine, nuclear physics and biology. For example, he used the mass spectrometer to measure the isotope composition of lead and relate it to the decay of uranium in natural materials. The discovery resulted in the development of radioactive dating techniques.

In 1975, Nier served as head of the five-member National Aeronautics and Space Administration's Entry Space Team, which studied data relayed from Mars by the Viking 1 and 2 space probes. Miniaturized versions of Nier's mass spectrometer traveled aboard the Viking and Pioneer-Venus space missions, and were also used to examine the Earth's upper atmosphere in 1960.

A native of St. Paul, Nier enrolled at the University in 1927 at the age of 16. He received a bachelor's degree in electrical engineering four years later, a master's degree in 1933 and a doctorate in physics in 1936. He later joined the physics faculty and chaired the School of Physics from 1953 to 1965. He retired from teaching last June.

Nier has been offered positions at many universities and corporations, but, except for two years at the Kellogg Corporation of New York designing instruments for the Manhattan Project, he has remained at the University of Minnesota.

Nier is the 56th person in the 129-year history of the University to receive an honorary degree. The first was awarded in 1925, and recent recipients have included Vice President Walter Mondale and Chief Justice Warren Burger. *George Jordan.*



Potter's Fame Spreads

WHEN WARREN MACKENZIE was a young potter he once turned out 22 mugs in eight hours. He was thrilled. Now he laughs at the memory. It isn't unusual for him to produce 150 to 200 pots in a day.

Although MacKenzie, a studio arts professor at the University of Minnesota, considers himself a utilitarian potter — one who makes pots people will use in their everyday lives — he has been increasingly recognized as an artist.

His work has been exhibited throughout the United States and beyond. His pots are included in the collections of the Smithsonian Institution in Washington, D.C., the Tokyo Folk Art Museum, the Bristol (England) Art Museum and Walker Art Center in Minneapolis. He was one of 23 American artists recently invited to show at the Eighth Chunichi International Exhibition of Ceramic Arts in Japan.

Born in Kansas City, Mo., in 1924, MacKenzie attended the Art Institute of Chicago where he first studied painting. His studies were interrupted by a stint in the army. When he returned from his tour of duty in 1945, all the painting classes were filled so he signed up for a course in pottery "because it sounded interesting."

Then he read *The Potter's Book* by world-renowned potter Bernard Leach. The book changed his life.

"Leach set a whole new tone on what a potter could be as opposed to what I was learning in school," MacKenzie said. "At that time schooling was cut and dried technical information. There was no

acceptance of pottery as a way of life or expression of an individual. Leach approached pottery in a much more total way. Your pots were an extension of you."

After visiting museums and galleries and studying all kinds of pots, MacKenzie and his late wife, Alix, also a potter, realized that utilitarian pottery appealed to them most. They decided to devote their lives to making pots that could be used in the home. In 1949 they traveled to St. Ives, England, where they spent two and a half years as apprentices to Leach.

"When we went to work with him," MacKenzie said of his late teacher and mentor, "we found that in his own life there was always 100 percent interest in pottery. We'd be sitting at breakfast and he would pull out a little piece of paper and start drawing pots. Breakfast or communication with us was completely unimportant.

"Bernard was a great poetic philosopher of pottery and he came out with statements that were so romantic, but they had a ring of truth to them. He talked about pottery as frozen music or the life force flowing through the hands of a potter. But the important thing was that he treated pottery as a serious activity. That was a revelation."

Like Leach, MacKenzie has devoted his life to pottery. He earns as much money selling his work as he does teaching at the University, where he has been on the faculty since 1954.

Watching MacKenzie throw pots on his foot-driven treadle wheel (called the Leach wheel) in his studio at Stillwater, Minn., it becomes apparent that more is going on than a mechanical process. He appears to be meditating as his hands hold and mold a ball of clay. He is totally immersed in the process that transforms the blob into an object with vitality. One does feel that his life and soul are being transmitted through his hands into the clay. When he finishes ten small vases, only three satisfy him.

In that respect he is like another potter whose work has had a strong influence on his own. Japanese potter Shoji Hamada, whom MacKenzie eventually met at a workshop, destroyed about a third of his works as they came out of the kiln.

"At the end of his life Hamada was at the height of his powers of observation and experience," MacKenzie said, "and he still wasn't able to go directly to a good pot. He kept looking for that time when the pot came to life. Every time he sat at the wheel it was a search."

MacKenzie is humble about his pottery. "What I'm trying to do," he explained, "is make the best possible pot that I can at any given time, utilitarian ware that will provide a rich communication from me as a maker to a person who may use it."

"You use all the visual artist's repertoire — form, proportion, light, shade, line and color. If you have anything to say it's going to come out. It's a little bit like handwriting. You don't try to develop a handwriting, but your handwriting is eventually an expression of you as an individual. The same thing is true in pottery."

Although he could make a living at pottery, MacKenzie continues to teach because he likes the interchange of ideas with his students. He also believes that people "who feel strongly about the field" have a responsibility to expound their views.

In 1976 MacKenzie served as president of the National Council on Education in the Ceramic Arts and recently served a three-year term on the policy-setting committee of the National Endowment for the Arts.

Judith Raunig-Graham

Humphrey Fellow Named

TED KOLDERIE, former director of the Twin Cities area Citizens League, has been named the first senior fellow of the Hubert H. Humphrey Institute of Public Affairs at the University of Minnesota.

According to Humphrey Institute director Harlan Cleveland, Kolderie will help design a program for mid-career leadership education. He also will play an advisory role in a Humphrey Institute enterprise examining possible roles of business, voluntary and other organizations in public policy making.

Kolderie, 50, is a graduate of the master's program in public affairs at Princeton University's Woodrow Wilson School. He has been a reporter and editor at both the Minneapolis *Star* and *Tribune*. During the past 13 years, under his directorship, the Citizens League has examined and reported on government structure, public finance, planning and development, and the delivery of public services.

While at the Humphrey Institute, Kolderie will continue to edit and host "The Bottom Line," a half-hour TV news analysis program aired weekly on KTCA, the local Public Broadcasting Station. He also will remain on the board of directors of the Spring Hill Center. *Nancy Girouard.*

Optometrist-Turned-Musician Shares Dream as MacPhail Head

RICHARD LETTS says music changed his life. Once concerned with status and money, he says love for music made him less materialistic and more compassionate.

Because music affected him profoundly, he wants to share his philosophy of music education with others, and as the new director of the University of Minnesota's MacPhail Center for the Arts, he'll have his chance.

Letts came to Minneapolis last fall after six years with the East Bay Center for the Performing Arts in Berkeley and Richmond, Calif. As director there, he steered the center in a new direction, creating an eclectic program for people of all ages.

East Bay music lovers could immerse themselves in Japanese, Chinese and Caribbean music as well as various forms of jazz. The center operated from about 30 sites throughout the community and offered outreach programs for the handicapped and the elderly.

The Minneapolis post appealed to Letts because he sensed that MacPhail is at a point in its history where it is "ready to take off," the kind of challenge Letts says he loves most. He also recognized that the local center has grown considerably and already provides high quality programs for Twin Citians.

A part of the University's division of Continuing Education and Extension, MacPhail is probably best known for the teaching programs it offers, particularly the Suzuki Talent Education program for children. But the center is likely to gain a reputation among adults as well, as some of the new director's dreams become reality.

First on Letts' long list of plans is formation of the MacPhail

Artists' New Music Ensemble. The group will involve 26 of the center's 90 faculty, who will perform music of the 20th century. The permanent ensemble will include the works of local composers.

Letts expects that the ensemble will help to change the historically low profile attributed to MacPhail's faculty's performing abilities. "This will show the public we really have fine artists on the faculty who not only teach, but also perform," he said.

In the spring MacPhail will offer a two-day workshop for church musicians. They will consider how to choose a repertoire, how to handle occasional services, such as weddings, and how to improvise.

Also in the spring, MacPhail will invite nonprofessional musicians from the community to participate in small chamber ensembles. Letts envisions them providing a somewhat clublike atmosphere for the participants.

For those who want to perform music by composers of the 16th, 17th and 18th centuries with the instruments of those times (the recorder, krumphorn, viol, lute and harpsichord), similar groups will be formed this fall.

He is also considering involving high school students in writing music. Students would be assisted by practicing composers.

Originally from Sidney, Australia, the 45-year-old Berkeley transplant says he has always loved music. But instead of making it his first career, he chose optometry. As he began to perform and study music, his values shifted.

While practicing optometry in Australia, he began working as a jazz musician on the side, later moving to classical piano and composing. "I finally said, 'I am a musician and that's a full-time commitment.'"

Firm in his decision, he left Australia to study composition at the University of California, Berkeley. "Music helped me become much more humane and compassionate and much less thing-

oriented. Consequently, I've led a much more satisfying, creative life."

Letts believes that anyone who wants to get something out of an art form must give it a commitment. He hopes MacPhail will be a place that fosters such commitment in talented people.

At the same time, he says MacPhail will always emphasize practical over academic activities. There won't be any emphasis on musicology or music history. Those who want to pursue a degree will go elsewhere.

Whatever happens at MacPhail in the future, Letts is sure about one thing. "People are going to hear a lot more about the program. We will be much more public." *Judith Rauntig-Graham*



Journalism Fund Drive Under Way

A FUNDRAISING CAMPAIGN to refurbish Murphy Hall, the home of the School of Journalism and Mass Communication at the University of Minnesota, continues with gifts already totaling \$200,000.

Gifts of \$50,000 each have been contributed by the parent companies of KSTP-TV and Radio, WCCO AM/FM/TV, the *Minneapolis Star and Tribune* and the *St. Paul Dispatch and Pioneer Press*.

The goal of the campaign is to raise \$500,000.

Most of the money will be used to buy modern equipment like electronic editing terminals that allow journalists to write and edit their stories on television screens. The graphic lab, the photo lab and the television and radio studio also are slated to get new equipment.

"If we are to keep abreast of the changing technology that is having such a large impact on the flow of information in our society, we must expose our students to the equipment and experiences they will encounter after graduation," said F. Gerald Kline, director of the school. The University has the top-ranked journalism school in the nation according to the American Council on Education.

The fundraising campaign is headed by a committee of Minnesota media leaders, chaired by Wilfred E. Lingren, president of Miller Publishing Company.

Other committee members are: Tom Carlin, publisher of the *Dispatch and Pioneer Press*; James S. Fish, an executive of Adventures and former vice president of General Mills; Robert E. Fransen, former vice president and general manager of WTCN-TV; Tom Gagnon, publisher of the *Faribault Daily News*; Harold M. Johnson, director of development for the Archdiocese of St. Paul and Minneapolis; Don W. Larson, president of Sun Newspapers; Bert O. Lund, vice president of The Webb Company; Jack Nichols, Sperry-Univac's director of communication; and Raymond Sachs, vice president of Campbell-Mithun advertising.

"The immediate goal of the fundraising effort," said Lingren, "is to reach those organizations that have been involved with the school and to make clear to them that this is a must issue if we are to help journalism and communication education in the '80s. We have a first-rate school and we need to keep it that way."

Paul Dienhart

Capsule

- Paula Clayton has been named professor and head of psychiatry in the Medical School on the Twin Cities campus. She will be the first woman to head a Medical School department. Clayton is now professor of psychiatry at Washington University in St. Louis.

- Surgeons at University Hospitals have transplanted half a pancreas from a woman to her diabetic twin sister, the first such surgery in the world involving identical twins. Chief of surgery John Najarian said the 26-year-old woman who received the pancreas graft is "doing fine" and may be cured of her diabetes as a result of the operation.

- Creation of a grant program to promote international research and language study was urged recently by President Magrath in San Francisco. In remarks to the Association of Governing Boards, a national organization of college and university trustees, Magrath proposed a "renewed alliance between Washington and the academy" to combat "the global crisis."

- President Magrath has agreed to serve on the national council of the South African Education Program, which aims to expand educational opportunities for black South Africans, primarily through fellowships at American universities. He said he hopes some of the students will come to Minnesota. President Derek Bok of Harvard is chairman of the council.

- The Duluth chapter of the Minnesota Education Association (UMDEA) won a run-off election to become the collective bargaining agent for UMD faculty. UMDEA received 155 votes or 57 percent of the ballots cast. The American Association of University Professors received 118 votes or 43 percent. Of 288 eligible faculty members, 273 or 95 percent voted.

- The regents voted 11-0 to suspend participation by Duluth faculty in the University Senate, an action required by state law according to University legal advisers.

- Two Minneapolis travel agencies filed suit against the regents and the International Study and Travel Center (ISTC) to stop the University from seeking a license to sell tickets for international flights. They charge unfair competition because the ISTC pays no taxes and receives subsidies in the form of student fees and federal and University funds.

- Harlan Cleveland, director of the Humphrey Institute of Public Affairs, talked with the regents about the current state of the institute's program. Cleveland said the institute will train students, provide a "get-it-all-together" program for people in mid-career, serve as a center for policy analysis, and bring in national and international experts as speakers.

- Members of the American Indian community on the Twin Cities campus asked the regents for a single advisory board to consult with the administration on all Indian issues and concerns. Some of the problems faced by Indian students are the same as those faced by other students and are the result of the University's bigness. Flo Wiger of the American Indian Learning Resource Center said one solution might be a "one-stop shopping center" approach for all freshmen.

- The University's small legal staff is no longer adequate in a time when universities are "massively involved in legal questions," President C. Peter Magrath has told the Senate Consultative Committee. He said he wants to move soon on a proposal to add a senior counsel or general counsel. One goal would be to diminish the need to retain outside counsel.

- The issue of confidentiality of Judicial Committee hearings and findings is under study by several senate committees and will probably go to the senate at its winter meeting February 19.

- Doctors at University Hospitals have reported the use of an "artificial pancreas" in a 56-year-old diabetic man. The implantable infusion pump sends a continuous flow of insulin into the man's blood stream. Henry Buchwald, professor of surgery and one of the developers of the hockey-puck-sized pump, announced the medical first last month.

- The first endowed chair in the College of Agriculture will be the Gordon and Margaret Bailey chair in environmental horticulture, established with a \$1 million gift from the Baileys of the Newport area of St. Paul. *Maureen Smith.*

People

- Chemistry professor Robert Brasted has recently been cited by two sections of the American Chemical Society for his contributions to chemistry and chemical education. The Minnesota Section has given him its triennial Minnesota Award, and the Northeastern Section has presented him with its National Award.

- Edwin Emery, professor of journalism, has received two national awards for research and teaching. At the recent national convention of the Association for Education in Journalism, he was presented the Willard G. Bleyer Award for his contribution to research in the history of journalism. Emery was given the 1980 Distinguished Teaching in Journalism Award of Sigma Delta Chi, the society of professional journalists, at the society's national convention in Columbus, Ohio. Emery returned to Minnesota last fall after a year's sabbatical during which he taught at Nanyang University in Singapore.

- Jo-Ida Hansen, associate professor of psychology and director of the Center for Interest Measurement Research, presented a paper at the 22nd International Congress of Psychology in Leipzig, East Germany, last summer. The title of her paper was "Test Construction and Application: Revising the Strong Vocational Interest Blank."
- Gisela Konopka, professor emeritus and director emeritus of the Center for Youth Development and Research, has received an award from the Australian government: "With sincere thanks for the energy and effort with which you have supported International Year of the Child and for bringing to the attention of many Australians the necessity for, the benefits of, and the enjoyment in caring for our children."
- Geneva Southall, chairman of the Department of Afro-American and African Studies, is on the steering committee of the Minnesota Black Documentary Committee, which is planning to produce a half-hour educational film for Black History Month in February. The Minnesota Historical Society and General Mills Foundation are funding the project.
- Andris Straumanis, a graduate student in American studies, has been named project assistant for the Immigration History Research Center. He will inventory, organize, and prepare guides to the center's Latvian newspaper and document collection and make arrangements for new deposits of Latvian records.
- June Louin Tapp, professor of child psychology and adjunct professor of law, presented a paper entitled "Legal Socialization: A Decade of Research" at the International Congress of Psychology in Leipzig; she also presided over a session on socialization through infancy and childhood. In August, Tapp was elected to the Council of the American Psychological Association, the governing body of that organization, and to the board of trustees of the Association for the Advancement of Psychology. In addition, she was elected to the governing council of the International Society of Political Psychology and to the board of trustees of the Law and Society Association. This year, Tapp will initiate a project to provide materials on the topic of psychology and law to Peking University.
- Mabelle McCullough, a staff member at the University since 1945, died of cancer October 12. She was 66. Her last appointment was as coordinator of the student conduct code and consultant to the vice president for student affairs.
- Eivind Hoff, executive director and chief executive officer of the Minnesota Medical Foundation, has been elected treasurer of that organization.
- David Lilly, dean of the College of Business Administration, spoke at the Annual Convention for Business Perspectives in the '80s for the Midwest, the Minnesota Business Partnership Roundtable, and the Upper Midwest Council annual meeting.
- Ida Martinson, professor and director of research in the School of Nursing, has been elected to the Institute of Medicine, an organization established in 1970 by the National Academy of Sciences to examine policy matters pertaining to the health of the public.
- John Najarian, professor and chairman of surgery, received an honorary doctorate from the University of Athens Medical School in November. He presented a lecture on "Transplantation for Diabetes Mellitus" at the awards ceremony.
- A book by Sanford Weisberg, associate professor of applied statistics, was published recently by John Wiley & Sons. The book is entitled "Applied Linear Regression."
- Gerhard Weiss, professor of German, received the Certificate of Merit awarded annually by the American Association of Teachers of German and the Goethe Institute for "outstanding achievements in furthering the teaching of German in schools in the United States."
- Albert Wertheimer, professor and director of graduate studies in social and administrative pharmacy, has been named a fellow of the Academy of Pharmaceutical Sciences. The academy is a subdivision of the American Pharmaceutical Association established to honor individuals of "unusually high distinction."
- Jonathan Wirtschafter, professor of ophthalmology and neurology, received the American Academy of Ophthalmology's 1980 Honor Award for outstanding service to the profession. M.S.

Potato-tomato plants, bananas on cornstalks?

Oh, Those Designer Genes

by Larry L. Elveru

ABOVE HIS DESK are rows of photos of corn chromosomes. Each black-and-white, 4-by-5 glossy shows in microscopic detail the 10 twisted strands of genes found in every corn plant cell. These seemingly random configurations represent a code plant genetics professor Ronald L. Phillips and four colleagues intend to not only break, but remake.

Their immediate goals are to alter the genetic makeup of corn and thereby create a sturdier plant that produces more useable protein. If a genetically redesigned corn plant is possible, though, myriad possibilities could loom on the agricultural horizon — plants that can pull nitrogen out of the air to make their own fertilizer; "potato-tomato" plants; and perhaps even bananas on cornstalks.

It was just 10 years ago that Norman Borlaug, '41, '42, won the Nobel Peace Prize for starting a "green revolution" in many Third World countries. The new strains of wheat Borlaug developed nearly doubled yields in famine-stricken regions of the world, yet rapid population growth is quickly eating up those gains.

University of Minnesota researchers are now hopeful, however, that an even "greener revolution" is possible if recent genetic engineering advances prove to be practical crop improvement techniques. Already, a research team on the St. Paul campus is refining a method to pinpoint useful genetic variations in individual plant cells, and then coaxing those cells to grow into full-size plants. At the same time, they are laying groundwork for recombinant DNA or gene splicing experiments with plants that eventually could yield new species productive enough to keep pace with growing world food demand. (Genetic engineering is the altering of heredity by transferring genes from one organism to another.)

"In 40 years we'll have twice the mouths to feed," warns Professor Phillips. "It's our responsibility to pursue everything that appears to have potential, and it's essential," he adds, "that we do basic research now, so it will come to fruition in 20 to 30 years." While the genetic manipulation of microorganisms has become routine since recombinant DNA techniques were devised in 1973, he notes, gene transfer between plants so far has been unsuccessful.

Since the early 1970s, Professor Phillips and other members of the Molecular Genetic

Larry L. Elveru, former associate editor of Minnesota, is a writer for the Center for the Study of Responsive Law, Washington, D.C.



Modification Group (MGMG) — an interdisciplinary research team now made up of three plant geneticists, a molecular biologist and a biochemist — have been developing a promising crop improvement technique called "mutagenesis." Rather than depending on chance and time-consuming cross pollination of plants to develop new varieties, mutagenesis allows them to find desirable mutations in single cells and grow them into full-size plants for seed.

They've found that by placing a bit of corn plant in a test tube or petri dish and feeding it a mixture of hormones, minerals and sugars, that the tissue will grow into a "callus." Until the hormone diet is changed, the callus will continue to grow, something like a tumor, without growing into a regular corn plant.

By subjecting the callus to something that normally inhibits growth, such as a plant disease or chemical, only resistant cells will survive. Those desirable mutant cells, which occur at a frequency of about one in a million cells, can then be nurtured into full-size plants.

Working under a National Science Foundation grant, MGMG is now devising a standard mutagenic selection scheme to speed development of corn with greater nutritional value and disease resistance. And, already, a Minneapolis genetic research and development company, Molecular Genetics Inc. (MGI), is working on commercial applications for mutagenic techniques.

University microbiology professor Anthony Faras, one of MGI's founders, is confident that mutagenesis can be used to develop plant varieties that have higher tolerances for agricultural



chemicals and are more blight resistant. MGI also is using recombinant DNA techniques on microorganisms to create new veterinary medicines, including work in conjunction with the government of Argentina to develop a vaccine for hoof and mouth disease. Local agribusiness firms, like Cargill, Land O'Lakes and General Mills, have also discussed possible genetic engineering applications with MGI, Faras indicated.

Faras organized MGI in 1979 in conjunction with Dr. Franklin Pass, a University clinical professor of dermatology. They first collaborated in 1977 using recombinant DNA techniques at the University to study viruses and decided to go into business after realizing they could use the same methods to produce new vaccines.

They have since recruited graduates of Harvard, Stanford and the Massachusetts Institute of Technology to work with them, as well as two University alumni with doctorates in microbiology — Richard Kryzyzek, '76, and Peter Sadowski, '77. In the next two to three years, Faras says MGI will employ more than 200 persons, including about 40 with doctorates. Right now a 50,000 square

foot building is under construction, he notes, to house MGI's burgeoning enterprises.

One constraint on the growth of biotechnology, though, could be a shortage of scientists trained in genetic manipulation techniques. Faras says MGI hopes to maintain close ties with University researchers by working with post-doctoral fellows on basic research and development problems and by helping to fund those projects.

"There is a real need to increase research money in this area," Faras says, in order to maintain the United States' leadership position in genetic engineering. To ensure rapid advancement in "basic level research and development," he suggests biotechnology firms encourage academic research much as micro-electronics manufacturers like Control Data Corporation have — by helping fund academic program expansion in areas that indirectly benefit them.

"We need to find out much more about plant systems," Faras points out, "before we can expect to achieve the same level of sophistication as we now have in our bacterial DNA work."

Plant genetics professor Ronald Phillips agrees that identifying, isolating and recombining specific genes in plants, will require much more basic research before scientists can even begin to think about playing God with plant species.


"Yield, for example, is an extremely complicated characteristic," Phillips says, "because there are multiple genes and biochemical pathways involved. More conventional plant breeding programs make progress by selecting on the basis of the end product and it's not really necessary to understand all the basic biochemistry that goes into it. . . . These newer methods, hopefully, will allow us to do those things in less time and allow us to produce unique kinds of plants that might be useful."

To illustrate the tremendous possibilities and difficulties plant geneticists face in this type of work, Phillips referred to the results of a recent attempt by German researchers to create a tomato-potato plant.

"They were able to fuse protoplasts — that is, plant cells without cell walls — of tomato and potato plants together, but what they got were some pretty sick looking plants. They were stunted, very poorly developed, and they didn't produce fruit in any reasonable fashion at all," he says.

"But this tomato-potato plant was real interesting because it has such a potential from a food point of view," Phillips adds, explaining that such a plant could conceivably produce tomatoes in the summer and potatoes in the fall. "There's a lot of academic interest in it, and it has potential," he says, "but at this time it's just an idea."

Crop improvement using such genetic engineering techniques as mutagenesis, cell fusion and gene-splicing is, Phillips says, "very clearly a long-term project."

"What we have is an intricate balance of genes that have been brought together and it's not going to be easy to improve on what we already have." 

For a good year, fly the University's Blimp

It's a Bird . . . It's a Plane . . . It's a Super Classroom

THE GOAL of the University of Minnesota blimp, says Gerald E. "Jerry" Allan, former assistant professor of the School of Architecture, is to combine students and professors of a variety of disciplines in traveling and living together around the world as a regular part of a university education.

The state of the education art today generally results in and comes from the single fixed classroom building, he says. "That kind of building is only a shell for teaching, the money for which could perhaps be better spent in hopes of a more complete learning experience."

Nowadays, there are few examples of kinetic education being practiced. Chapman College operates an ocean-going facility, he says. "Few schools can afford that solution though, given the tremendous outlay of energy, money and the fulltime crew. It's dependence on the ocean and the added expense of onshore lodging are also highly limiting factors.

"We now can propose as an alternative, the University Blimp. It combines travel and learning in one fantastic experience. Being effortlessly airborne, it is able to travel anywhere in the world. City planning, geology of land forms or river systems are but a few of the possible subjects best suited to study from above."

The University Blimp is a moving educational environment, he says. "It would combine two of the best learning techniques, that of travel; learning through first-hand experience; and that of a total educational experience; a group of people living, learning and traveling together."

The shape of the airship, Allan says, is similar to that of a whale or porpoise. Studies have shown that the shape best suited for the fastest submarines of the world is this shape. The same criteria . . . that is least resistance at speed and stability . . . would apply to the blimp.

"The shape used will also be utilizable for added lift when the angle of the blimp is raised. As in the past airships, the total airship is utilizable as an air foil when needed. The University Blimp is designed to take maximum advantage of this through its triangular cross-section."

The internal skeleton of the University Blimp is a simple box beam truss stretching the entire length of the blimp. It is sectioned into three parts longitudinally. Between the three sections are dampers to absorb, in part, those stresses which would normally be transmitted through the entire airship.

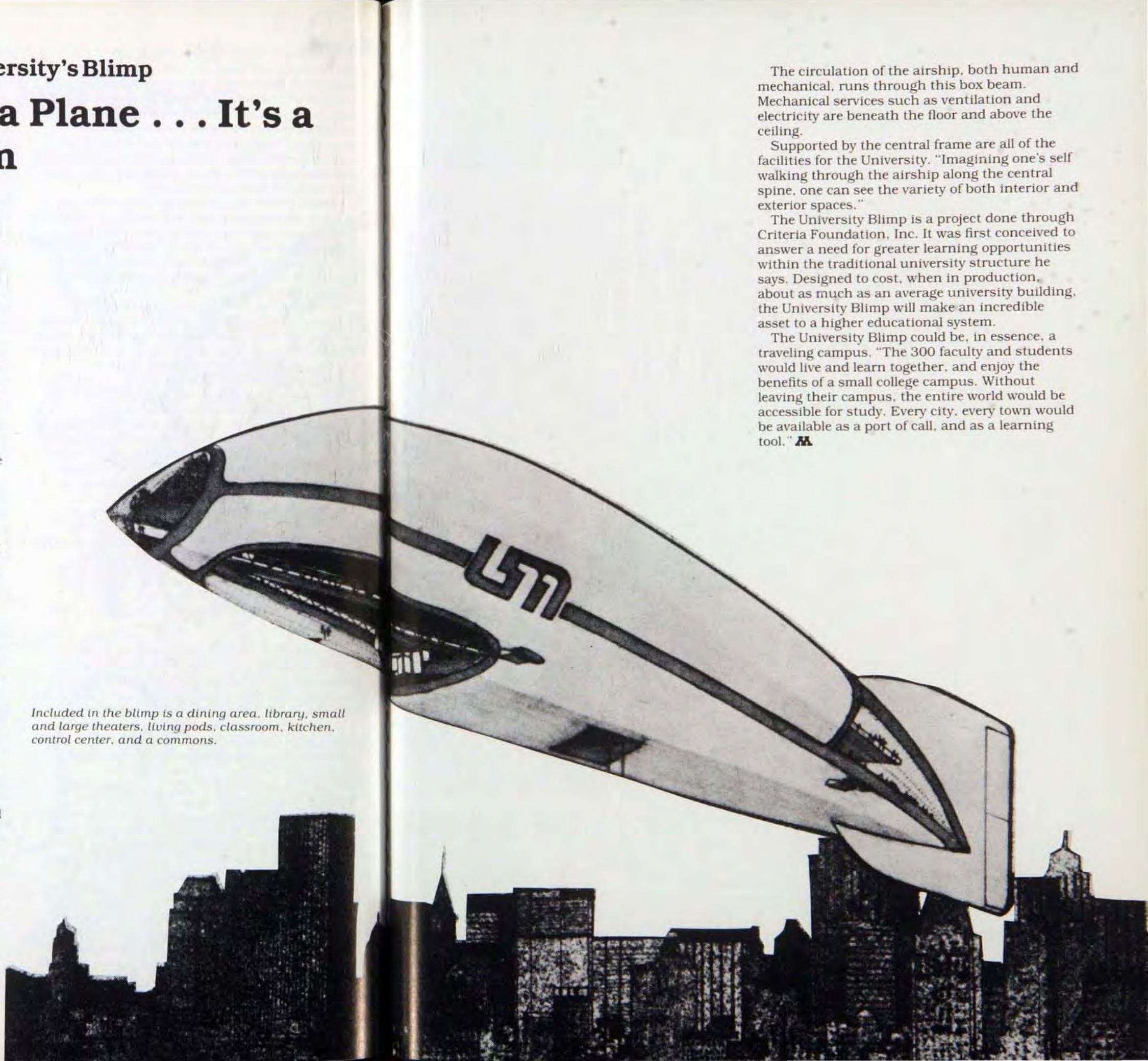
Included in the blimp is a dining area, library, small and large theaters, living pods, classroom, kitchen, control center, and a commons.

The circulation of the airship, both human and mechanical, runs through this box beam. Mechanical services such as ventilation and electricity are beneath the floor and above the ceiling.

Supported by the central frame are all of the facilities for the University. "Imagining one's self walking through the airship along the central spine, one can see the variety of both interior and exterior spaces."

The University Blimp is a project done through Criteria Foundation, Inc. It was first conceived to answer a need for greater learning opportunities within the traditional university structure he says. Designed to cost, when in production, about as much as an average university building, the University Blimp will make an incredible asset to a higher educational system.

The University Blimp could be, in essence, a traveling campus. "The 300 faculty and students would live and learn together, and enjoy the benefits of a small college campus. Without leaving their campus, the entire world would be accessible for study. Every city, every town would be available as a port of call, and as a learning tool." **AA**



The 'U' is the state's sixth largest 'city'

A City of Ideas

by Marilyn J. Taylor

BEGIN BY IMAGINING that the entire city of Rochester — population 60,000 — has been beamed up from southern Minnesota and dropped along the Mississippi River between Minneapolis and St. Paul.

Imagine a city within a city, with its own dairy, its own heating plant, radio station and police force — even, in a manner of speaking, its own armed forces.

You're beginning to get a vague idea of just how huge the Twin Cities campus of the University of Minnesota — the largest single campus in the nation — really is. And that's just one of the university's campuses.

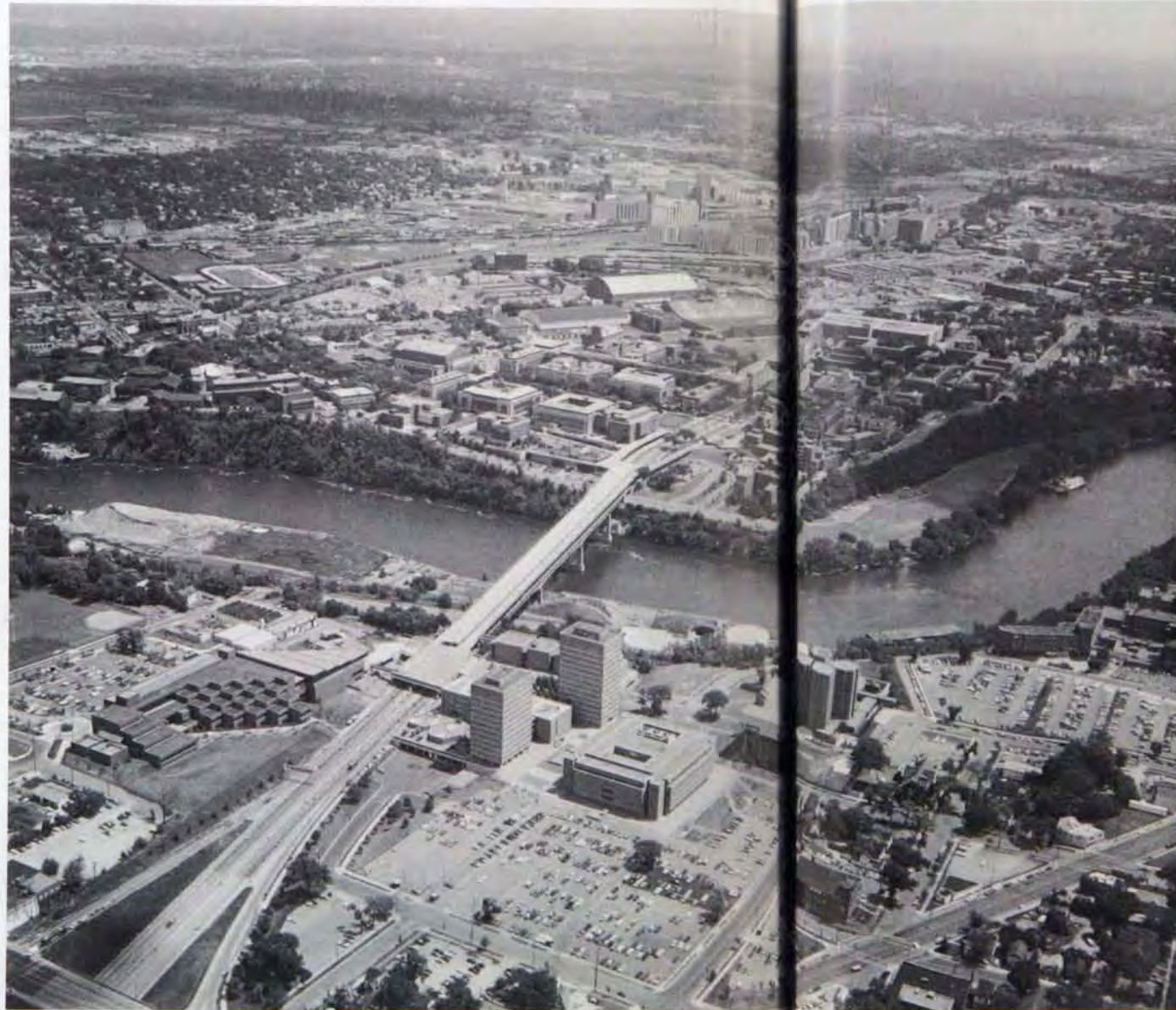
It is so big that it's easy for mere mortals to forget it's even there.

It's a colossus, straddling the Mississippi like the statue of Apollo that the ancient Greeks erected at the entrance to the harbor of Rhodes.

One leg is dug in on the east bank of the river, the other has a toehold on the west. But where the god of archery, prophecy, poetry and music towered over Rhodes, this brick and stone monument sprawls outward like a monstrous octopus — to Duluth, Crookston, Morris, Waseca and points in between.

To most people, it's simply "the university," the place where tweed mingles with denim, where knapsacks breed like fruit flies and registration is a rite of passage. A place to spend four years trying to figure out what to do with your life while you study everything from Bach and Blake to beginning Turkish and perturbation methods in fluid mechanics.

But that's only what you see when you're standing right next to it. Step back a ways and you begin to get, as the generals used to say, the Big Picture.



You see that the university is a lot more than just a big school. It's big business, big farming, big government all rolled into one: in short, it exerts a powerful influence on just about every aspect of life in Minnesota.

With 47,386 students, excluding those in night school, and several thousand employees, the Twin Cities campus all by itself is the sixth largest city in the state.

That puts it just behind Rochester. Its police force of 57 full-time officers is only about two-thirds the size of Rochester's, but its newspaper, the Minnesota Daily, is bigger than the Rochester Post-Bulletin, with a circulation of 40,000.

Combine the Twin Cities campus with the other four, and you're looking at the largest institution in Minnesota — other than state government itself. The entire system has 58,705 students and an academic staff of 5,382, making it the seventh largest land-grant university in the nation.

(The top six, in order, are the State University of New York, the City University of New York, and the universities of Wisconsin, California, North Carolina and Texas.)

* * *

There was a university here — at least, the beginnings of one — before there was a state. The university was founded as a preparatory school in 1851 (seven years before statehood), but empty coffers forced it to close until after the Civil War.

However, with a little help from its friends — primarily John Sargent Pillsbury, grandfather of the Pillsbury Doughboy, and Uncle Sam (through the Land Grant Act, which provided for the donation of public lands to states for the establishment of educational institutions) — the school reopened. Two years later, in 1869, it became an honest-to-goodness institution of higher learning, with 18 students in its first class and nine faculty members.

From then on, it acquired all the essential trappings of a university, including a Gopher

as a mascot, school colors of maroon and gold (chosen by an English instructor named Augusta Norwood Smith, who was described as "a woman of excellent taste"), a fight song (the "Minnesota Rouser," written in 1909 by a Minneapolis choir director in response to a newspaper contest), and — today — 56 fraternities and 27 sororities on one campus alone.

It's an institution with its own citizenry, government, army (of ROTC members and athletes), teachers and philosophers, communications systems, buildings, land, hospitals and kitchens, theaters and art galleries, herds of cows and barns full of pigs.

Although the Legislature provides much of its money and has some say in how it's used, the university is, under the Minnesota Constitution, independent of all other executive authority. Which means it can do almost anything it wants except, perhaps, declare war.

Its president, C. Peter McGrath, makes \$75,500 a year, and gets to live in an 18-room white Georgian colonial called Eastcliff. The governor of Minnesota earns just \$62,000; three of the university's six vice-presidents earn as much or more.

Altogether, the university's wide-spread land holdings, a total of 23,860 acres encompassing five campuses and several branch stations, make it about two-thirds the size of the principality of Liechtenstein.

It owns 998 buildings (319 of them in the Twin Cities) — including dorms, townhouses, hospitals, barns, heating plants, machine shops, a stadium and a lake cottage — valued at more than half a billion dollars as of December 1979.

For the cultural edification of its citizens, the university offers bands, orchestras, choirs, art galleries, films, lectures and theater productions. And the list of student organizations, encompassing everything from political action groups to rodeo and scuba clubs, runs to about 500.

Words are one of the main products of the university system, and it pumps them out by the millions in five newspapers, numerous newsletters and magazines, in papers, reports and books published at its printing plant, and over the air on its five radio stations.

An estimated 620,000 books were sold in its bookstores last year. And the University Libraries collection contains more than 4 million volumes, almost three times as many as the Minneapolis Public Library.

But people do not live by words alone; they need bread — and pizza and corned beef sandwiches. The food service operations on the Twin Cities campus take care of that by producing 5,988,800 meals a year.

That wouldn't feed the Russian army, but it would be enough to get the entire armed forces of the People's Republic of China through a single lunch, with enough left over to feed half of them dinner. And that doesn't count vending and concession sales, which amount to 6 million transactions annually. On the Twin Cities campus alone, there are 500 vending machines.

The milk for those vending machines and cafeterias, by the way, comes from the university's own fully equipped dairy, which processes and packages milk to the tune of 7 million cartons a year.

Connecting the university to itself and the outside world are almost 17,000 phones, six computer centers plus an administration data-processing center, and a transportation system including shuttle buses and two twin-engine Beechcraft airplanes. Among the 700 motor vehicles it owns are large delivery trucks, squad cars, sedans and station wagons, and load packers for garbage (of which the Twin Cities campus generates an impressive 25 tons each day).

But one thing the university never seems to have enough of is parking places. There are a mere 12,000 slots on the Twin Cities



campus, fewer than Met Stadium's 14,500. This may explain why, last winter, almost 40 percent of the students commuted to school by bus — a percentage that keeps rising.

To keep things running on just the Twin Cities campus, the university has carpentry, plumbing, sheet metal, refrigeration, electrical and general maintenance shops, custodial employees and ground crews, engineers, architects and designers, machinists, glassblowers, and a laundry service that takes in 100,000 pounds of linen and uniforms a week.

Running the campus takes a lot of energy. The amount of electricity it consumes every month — between 18 million and 14 million kilowatt hours — would be enough to supply 30,000 to 35,000 of Northern States Power's typical residential customers each month, or almost all of Brooklyn Center.

In St. Paul and at several agricultural branch stations, the university takes up the plow and pitchfork, raising everything from soybeans to chickens. More precisely, about 12,000 chickens, 1,150 dairy cows, 1,220 beef cattle, 4,580 swine, 3,400 sheep, 21,600 turkeys, 400 geese, 400 ducks, 140 goats, 60 ponies, 12 bulls, and 50 trout and bass.

By comparison, the average Minnesota dairy farm has a mere 34 dairy cows, while the average hog farm has 148 hogs and the average beef cattle operation has 58 head. In a sense, then, the university runs 34 dairy farms, 31 hog farms, and 21 beef operations.

A plunge into the university purchasing department's records reveals that it buys what any large city would buy, plus everything from farm equipment and hospital supplies to such esoteric research necessities as fetal calf serum.

Last year, for example, the entire university system bought 433,716 pairs of disposable exam gloves; almost 57 million sheets of 8½ × 11 copy machine paper; 600 mousetraps; 72,469 bars of hand soap; 1,670 50-pound bags



of rat chow and 499 bags of mouse chow; 69 million sheets of single-fold paper towels; and 256,000 rolls of toilet paper (many of which probably ended up in students' off-campus apartments, if some alumni are to be believed).

It also bought 251,700 jumbo paper clips. Hooked end to end, those paper clips could be draped from the university's Coffman Memorial Union, across the Mississippi and the west bank, all the way to the domed stadium.

The university also has five attorneys and holds between 100 and 125 patents, including ones for an implantable infusion pump that releases an anticoagulant into the blood stream, a particulate collector for diesel engines, and a test to detect cystic fibrosis in fetuses and carriers.

* * *

The university may pretty much go its own way, but it doesn't pay its own way — it generates only 40 percent of the money it spends. Someone else foots the rest of the bill.

And the bill is a biggie. The university system's estimated operating budget for 1979-80 (before Gov. Al Quie's order to slice off \$14.1 million) was \$603,913,733, almost \$200 million more than Hennepin County's.

More than half of that revenue, about 53 percent, is state and federal money. Students contribute only about 8 percent. The rest comes from earnings on university investments and private gifts, grants and contracts.

A quick look at some of those investments reveals that the university takes advantage of its inside track on what the youth of America is up to and into. It has common stock in television (ABC Broadcasting), beer (Anheuser Busch), beauty products (Avon), fantasy (Walt Disney Productions), jeans (Levi Strauss), hamburgers (McDonald's), soft drinks (Pepsico), cigarettes (Philip Morris), pets (Ralston Purina), liquor (Seagram), movies and music (Warner Communications), and drugs (Squibb).

Despite having more than half a billion dollars, the university doesn't have any trouble spending it all. Teaching, research and public service — and all the academic support services — accounted for 58 percent of its expenditures in 1979. Research took 15.1 percent, and the University Hospitals, 16.5 percent. Auxiliary services and student aid made up the rest.

More than half of its budget goes to paying the people who work for it. The university system has 4,396 full-time and 986 part-time academic staff members; 9,386 full-time and 2,116 part-time civil service employees; and from 5,000 to 6,000 student workers. The estimated 1979-80 payroll is \$350 million.

That makes the university one of Minnesota's largest employers. Excluding part-time and student workers, the university ranks just behind 3M Co., which has about 22,000 employees in the state, and Honeywell, which has almost 20,000, but far ahead of General Mills, Pillsbury and

Control Data, which have about half as many Minnesota workers.

* * *

So, what's come out of this colossal machine?

Well, for one thing, a lot of people with college educations. Since 1873, the university has granted 321,093 degrees — almost enough for every person in Minneapolis — and 55 honorary degrees (those went to such luminaries as Harold Stassen, Hubert H. Humphrey, Walter Mondale and Warren Burger).

There's more to it than that, though. Eleven of its faculty, former faculty or alumni have won Nobel prizes: one peace prize, five in physics, two in medicine, two in chemistry and one in literature.

Its researchers have contributed directly to Minnesota's prosperity and quality of life.

The state's taconite industry evolved out of the investigations of a university researcher more than 50 years ago. Two-thirds of the scientists involved in the state's \$2-billion high-technology

industries were trained at the university. And many of the advances that have made Minnesota a leader in medicine and agriculture have come out of university research.

The contributions of individual alumni are impressive, too. As far as officials can tell, the university has 208,000 living alumni, with about 141,000 of them in Minnesota. Many of them have achieved fame and fortune.

In public affairs, for starters, there's Elmer L. Andersen and Wendell Anderson, Gladys Brooks and Joan Growe, Muriel and Hubert Humphrey, Kate Millett and Eugene McCarthy.

In journalism, there's Harry Reasoner and Carl Rowan, Harrison Salisbury and Eric Sevareid, WCCO-TV's Dave Moore and Otto Silha, chairman of the Minneapolis Star and Tribune Company. And such writers as Max Shulman and Robert Pirsig.

Other alumni greats include Herb Brooks of hockey fame and golfer Patty Berg, Carl Eller and Bud Grant, heart surgeon Christiaan Barnard, and

business wizards John Pillsbury Jr. and Curt Carlson.

A number of show business personalities have also passed through the university: Loni Anderson of "WKRP," John Astin of "The Adams Family," and Linda Kelsey of "Lou Grant," Henry Fonda and Peter Graves, and — reflecting the university's eternal diversity — John Denver and Bob Dylan.

That's only a few of the famous alumni. Not so easy to find are the infamous, because the university, understandably, doesn't exactly go out of its way to keep track of them. **M**

Marilynn J. Taylor is a staff writer for the Minneapolis Star. This story is reprinted with permission. All rights reserved.

Photos by Tom Foley.

CONSTITUENT SOCIETIES

Nursing

NURSES, who are members of the Nursing Alumni Society, are eligible for a \$5 discount on continuing education classes sponsored by the School of Nursing.

This new benefit, arranged by the Nursing Alumni Society board and the School of Nursing's Continuing Education Department, represents a major service for Alumni Association members.

Alumni from more than 20 fields of nursing met with students during a recent careers day on the campus.

Details of the Nursing Alumni Society's annual meeting April 20 at the Minnesota Alumni Club, IDS Tower, will be announced.

Agriculture

COLLEGE OF AGRICULTURE faculty who recently returned from a trip to China will talk about Chinese agriculture and new markets for American farm products at the annual meeting April 10 on the St. Paul campus.

The classes of 1931, 1956, and 1976, will hold reunions.

Russell V. Stansfield, administrator for agriculture research at Northern States Power, spoke on "Waste Heat: Agricultural Resource and Business Opportunity," at a recent Agriculture quarterly luncheon.

Medicine

THE MEDICAL ALUMNI SOCIETY'S annual meeting and "New Horizons in Minnesota Medicine 1981" CME seminar will be March 27.

Medical School faculty will present their latest findings in important areas of medical research and patient care.

Here is the schedule:

8:30 a.m. — Registration.

9 a.m. — Surgery update, Dr. Frederick C. Goetz, Department of Medicine and Surgery;

9:30 a.m. — Prostaglandins in Neonates, Dr. James Lock, Department of Pediatrics;

10 a.m. — Anorexia Nervosa Current Management, Dr. Elke Eckert, Department of Psychiatry;

10:30 a.m. — Radiation Treatment of Breast Cancer, Dr. Seymour Levitt, Department of Therapeutic Radiology;

11 a.m. — The Minnesota Ear Bank Program, Dr. Timothy Jung, Department of Otolaryngology;

11:30 a.m. — Tour of the new Student Adytum, a study lounge and reading room refurbished by the Medical Alumni Society and Medical Foundation;

12:15 p.m. — Luncheon, Keynote Speaker, Dr. Wallace Armstrong;

2 p.m. — CO₂ Laser — Uses in Gynecology, Dr. Leo B. Twigg, Department of Obstetrics & Gynecology;

2:30 p.m. — Hodgkin's Disease, Dr. Juan Rosai, Department Laboratory Medicine and Pathology;

3 p.m. — Genetic Engineering — Its Principles & Practice, Dr. Anthony J. Faras, Department of Microbiology;

3:30 p.m. — Peripheral Nerve Injury in the 1980's, Dr. Donald Erickson, Department of Neurosurgery;

6-8 p.m. — Reception, Minnesota Alumni Club, IDS Tower;

8 p.m. — Class reunions (1946, 1951, 1956, 1961, 1966, 1971) will be held separately.

Biological Sciences

ACAREER WORKSHOP for students will be held April 10 in Gortner Hall as part of the growing Career Network Program. If you are interested in serving as a volunteer for this program, please call Kathie Peterson at (612) 373-3648.

Genetic engineering is the topic for the annual meeting to be held in early May. Speakers will include University faculty prominent in this field. Those interested in helping plan the event are asked to call Glenn Ward (612) 646-6590 during the evening.

Family Weekend will be at Itasca October 10-11 and will include special educational programs for members of the Biological Sciences Alumni Society and their families.

Dentistry

DR. JOHN Tiede, a dentist from LeCenter, Minn., and the prime mover in the creation of a dental missionary program in a remote Madagascar village, has received the Outstanding Achievement Award from the University of Minnesota.

The award is the highest honor given to former students who have attained distinction in their fields.

Tiede, a 1935 graduate of the School of Dentistry, is a former president of the Minnesota Dental Association. After retiring from his LeCenter dental practice earlier this year, he joined the dental school faculty as a part-time clinical instructor.

Tiede is a former mayor of LeCenter located in the southeastern part of the state, and served for 12 years as president of the LeCenter Board of Education.

In 1960, Tiede helped start a dental missionary program in Manambaro, Madagascar, a village of 350 persons on the southern tip of the island. He has spearheaded fund-raising and the recruitment of dentists to work in the clinic.

Medical Technology

THE MEDICAL Technology Alumni Society will hold its annual meeting April 29 at the Woman's Club in Minneapolis. Details will be announced.

General College

SOME 20 STUDENTS and three faculty and Dean Jeanne Lupton of the General College started out the pre-Christmas social evening with a spaghetti dinner in the home of Michele Repke, then they piled into cars and went to the governor's mansion.

Madrigal singers from Wayzata, who were dressed in medieval costumes, sang for 45 minutes at the pre-Christmas social.

The group, along with some other guests, were welcomed to the home by Gretchen Quie and by the governor.

"We were invited," said Conrad Balfour, an administrative assistant for the General College, "because Gretchen has indicated an interest in teaching painting and pottery in the college, and she wanted to meet some students and faculty."

Home Economics

The Friends of the Goldstein Gallery have received a gift from Howard Williams as a memorial to his wife, Fern Snure Williams, '26.

Don't forget the annual meeting March 7 at the Earle Brown Con-

tinuing Education Center, St. Paul. Events begin at 9 a.m.

Inge Verone Rylander Smith, '56, past president of the Minnesota Home Economics Association, died in June. She had also served as vice president for districts and newsletter editor. She had been active in both HEIB and HEITH, having worked extensively on publicity for "Cooking in Minnesota." Mrs. Smith was most recently employed as consumer service manager of the Pillsbury bake-off contest. At the time of her death, she had been elected to the board of the Home Economics Alumni Society.

Alumnae Club

THE TRADITIONAL silent auction will be Sunday March 8 at Rarig Center as part of the Alumnae Club's fund-raising effort for scholarships.

Because of the 50th anniversary of the University Theater's season, scholarships will be given to theater students.

Pharmacy

THE ANNUAL theater party will feature a performance of "Cabaret" at the Chimera Theatre Saturday, March 21, at 8 p.m.

Following the show, the group will go to the Penthouse Member Lounge for an hors d'oeuvre buffet.

In addition, continuing education classes will be given on the same day and will include issues relating to the delivery of pharmaceutical services for long-term care centers.

The Pharmacy Alumni Society annual meeting will be May 3 at the Radisson Downtown Hotel, Minneapolis, and will include continuing education courses, a

tour of new campus classrooms and offices, and dinner.

The School of Pharmacy was expected to move into new quarters in Unit F of the health sciences complex. The school will occupy the nearly six floors, and the School of Nursing will move into nearly three floors.

Some 450 professionals and graduate students, in addition to 60 faculty and staff, are expected to move.

John T. Sernett, '60 of Snyder Drugs, St. Louis Park, has won a \$750 award from the Burroughs Wellcome and Co., Pharmacy Education Program.

The money will be given to the University of Minnesota College of Pharmacy in the name of Sernett to establish a revolving loan fund for deserving pharmacy students.

Business

THE BUSINESS ADMINISTRATION Placement Office is developing an alumni career advisory service, and wishes to identify alumni who are willing to discuss career opportunities with current business administration students, both undergraduates and graduates.

All alumni of the College and Graduate School of Business are encouraged to offer their services.

The Placement Office wants leads on current job openings in order to expand opportunities for graduates in a tight market.

Please call (612) 373-4174 to volunteer your time, advice, and leads, or write Jan Windmeier, Director of Placement, College and Graduate School of Business, 271 - 19th Ave. South, University of Minnesota, Minneapolis, Minn. 55455.

Three issues to be resolved

Gopher Dome Contract Undecided

RENTAL FEES, beer sales and guaranteed access are the three major issues that need to be resolved before the University of Minnesota should sign any contract to use the new domed stadium for its football team, the Board of Regents was told recently.

The regents heard a progress report on talks with the Metropolitan Sports Facilities Commission at their monthly meeting. The major issues "on which the University and Mr. (Don) Poss (executive director of the MSFC) have not reached, nor tried to reach, agreement" were outlined for the board by Nils Hasselmo, vice president for administration and planning.

There is no guarantee that the domed stadium would always be available for home Gopher games because of a clause in the Minnesota Twins' contract that stakes a claim for the stadium should the team go to the playoffs or the World Series, Hasselmo told the board.

Gopher football games are scheduled as much as 10 years in advance, while professional baseball playoffs are scheduled at the last minute. Some years down the road, if the Twins were to end up in the World Series, that might leave the Gopher football team with no place to play, Hasselmo said.

A second issue is that while the commission has proposed that the University be allowed to use the stadium rent-free, the stadium admission tax would still have to be paid, and the commission would retain all income from the sale of concessions, Hasselmo said. In its own stadium, the University pays nothing and collects all of the concession money.

Further, the commission expects income from the sale of beer to be its primary source of income

during Gopher games, Hasselmo said. A University regulation, however, prohibits the consumption of alcohol at athletic events.

Both Hasselmo and University president C. Peter Magrath stressed that no formal negotiations with the sports commission have taken place and that all discussions so far have been "very preliminary."

Before serious negotiating can begin, Hasselmo said, the board of regents will have to authorize the University's administration to proceed with contract negotiations.

Beyond the three major contractual areas that still need resolution, a number of side issues could affect the University's willingness to sign a contract, Hasselmo said. One of those issues is the effect moving football off campus would have on attendance and on long-term Gopher football supporters.

Hasselmo said there is no way to tell if moving to the domed stadium would attract more people to Gopher football games or drive away those who already attend.

"Losing the ambience of our stadium is a major disadvantage," Minneapolis regent David Lebedoff said. "A lot of people come here for the memories."

Another issue is the duration of the contract. So far, Hasselmo said, the most commonly mentioned term has been 20 to 30 years. "Thirty years is not only a long time, but to a University it's an eternity," Magrath said.

Wenda Moore, chairman of the board, agreed. "It makes me very nervous. We've spent a lot of time in the past few months discussing financial constraints on the University. To sign a 30-year lease is inappropriate."

"There's no way we can tell in advance how the move is going to affect those people who've been

going to the games for years," Minneapolis regent Robert Latz said. That inability to predict the outcome is a good reason to work for "the shortest possible lease, perhaps five years," he said.

St. Paul regent Michael Unger said he was not impressed with the overtures made by the sports facilities commission so far. "The proposals do not seem to be indicative of much interest on their part in having the University play there."

Madison Lake regent Lauris Krenik, however, said that that approach is only logical. "We have to realize that we would be only a minor tenant. Anything they get from us is going to be gravy."

Members of the board asked that some sort of opinion sampling of Memorial Stadium users be done and that members of the athletic department, the faculty and the students be asked to offer opinions.



Ah, Spring!

AS WINTER draws to an end, thoughts turn to tennis racquets, golf clubs and softball gloves. Several outstanding women athletes will conclude their competitive careers at Minnesota this spring.

Golfer Kathy Williams has led the Gophers to two AIAW Region Six team championships as well as winning the Region Six medalist honors three times: 1977, 1978 and 1980. During her career, Williams has been the medalist 16 times. Williams has played at the AIAW national championship three years. Last season she placed 23rd at the national tournament. Fittingly, Williams will finish out her Gopher career in June at the AIAW national championship in Georgia.

Track star Rocky Racette is ranked 10th in the world by *Track and Field* in the 5000 meter run. Racette's recent competition has brought her to the forefront as a premier distance runner.

At the 1980 AIAW indoor national championship, Racette finished third in the 5000 meters. She captured the Big Ten title in that event and then finished seventh at the AIAW outdoor national championship. At the 1980 Olympic trials, Racette placed third in the 5000 meter Nike exhibition. Had the 5000 meter event been an Olympic event, Minnesota's Racette would have been selected to the 1980 Olympic team. (Racette has recovered from a foot injury which prevented her from competing during the cross-country season. In top form, Racette will be a threat to capture a national title in the 5000 meters during this, her final season in a Gopher uniform.)

The Gopher women netters, led by senior co-captain Kari Sandvig, are the defending AIAW Region Six champions and will be looking for their fourth consecutive AIAW Region Six championship.

Sandvig, a leader both on and

off the court, has been a member of the championship teams and a participant in the AIAW national championships. Last season, Sandvig was named to the AIAW All-Region team. At the 1980 Big Ten championship, Sandvig teamed with Leslie Larm to win the #2 doubles championship. That same doubles team was successful in 1978 when they took the #3 Big Ten doubles championship. During the 1978 championship, Sandvig also won the #6 singles championship. Sandvig and Larm also hold the team record for the most season doubles' victories with 29 compiled during the 1978-1979 season.

Sandvig has a new doubles partner, Claudia Brisk, for the 1980-1981 season, and after going 9-4 during the fall season, it appears that Sandvig and Brisk should successfully defend the Big Ten doubles title.

An aggressive and determined competitor, Sandvig would like to close out her college career at Minnesota with yet another AIAW Region Six team championship and a national ranking for one of the finest tennis teams in the Midwest.

Two Sophomore Sensations

LED BY SOPHOMORE sensations, Robin Huebner and Teresa Schneider, the Golden Gopher

women gymnasts will try to defend their AIAW Region Six championship, and if successful, they'll go to the AIAW national championship at the University of Utah.

Later this month, Minnesota will meet the Division One Region Six gymnastics team to determine the team representative from Region Six for the national championship.

The Golden Gophers are heavily favored to capture their second consecutive AIAW Region Six crown. Last year, Minnesota not only won the team title, but the Gopher gymnasts also swept all individual honors. Schneider won the all-around, vaulting, uneven parallel bars and floor exercise titles while Kari Ploof took the balance beam title. After the success at regionals, Minnesota went on to place 15th at the AIAW national championship.

During the 1980-1981 season, outstanding performances by Schneider, Huebner, sophomores Ploof, Ann Lameka and Michelle Peacock, juniors Julie Palen and Elizabeth Kilgore, freshmen Judy Klein and Karin McElhatton and senior Lynn Ellingsen have put and kept Minnesota in the top 20 teams.

Looking beyond the Region Six championship, head coach Katalin Deli predicts that the Gophers will improve on last year's 15th place finish and quite possibly finish in the top 10.



University of Minnesota women's gymnastic team are, from left, back row: Karin McElhatton, Teresa Schneider, Julie Palen, Kari Ploof, and Judy Klein. Front row, from left, Elizabeth Kilgore, Ann Lameka, Michelle Peacock, Robin Huebner, and Lynn Ellingsen.

ALICE PEPIN

Old board retired, new board is in '81 Student Board; What's Expected?

ALTHOUGH NOT quite a year old, the Minnesota Alumni Association Student Board is already showing its maturity.

And while the new board takes over, the old board can look back on a year filled with accomplishments and offer advice to their counterparts.

Plans are already under way for a career network, which will give students an opportunity to get advice from alumni. It is one of several new programs, according to Linda Hartley, director of the student effort.

A second "Senior Tent Extravaganza," where students are fed sandwiches and advice about jobs, will be in May.

The new board will be honored at a reception this month at the Minnesota Alumni Club and later will hold a retreat where they will plan other events.

Looking back, a major effort of the original board, Hartley said, was its involvement in Homecoming 1980.

"They rode in the parade and

threw miniature footballs; they helped plan and serve a pre-game luncheon at Northrop Auditorium; and they sponsored a block party on 19th Avenue near the gates of Williams Arena. More than 1,500 stopped by to hear the music of the Daisy Dillman Band following the game."

In addition, the board organized a finals week care package where parents of 770 students treated their sons and daughters with snacks to help ease hunger pains brought on during final exam week.

"The formation of the Student Alumni Association was clearly the case of an idea whose time had come," said Dave Mona, '65, adviser for the group and vice president/communications for The Toro Co. "In the eight years I have been connected with the board of the Alumni Association, our lack of involvement with the student body was consistently at or near the top of our list of challenges.

"I think we've made great

strides in solving that problem. On a personal basis, it was a real pleasure to work with the group in its first year. Anyone worried about the future of the country would have his fears dispelled in a few minutes with this group. Their creativity and enthusiasm reached levels seldom seen in the corporate world.

"I'd suggest that someone write down the names of the members and put that list away for 20 years. I think that upon taking it out you'd find a number of names you're familiar with as both local and national newsmakers," Mona said.

Here are some other 1980-1981 highlights:

- Went to Duluth where they toured the Glensheen mansion and took part in a retreat;
- Assisted two "U" students who set a world's canoe record;
- Sponsored the "Senior Tent Extravaganza," where more than 400 students registered for door prizes and ate 960 submarine sandwiches;
- Served as tour guides for the Class of 1930's 50th reunion;
- Held a meeting at the home of University President C. Peter Magrath;
- Attended the annual June meeting of the Minnesota Alumni Association;
- Were involved in University-wide "Activities Fair";
- Sent two students, Mark Workman and Mark Matthews, to the National Student Alumni Convention in Clemson, S.C., where they met with other students and exchanged programming ideas;



Putting together finals week care packages are Jeff Parkhurst, Elise Silverberg, and Ross Levin. In the photo at right are Robin Roos, who was chairwoman of the event, and Jean Tordoff, MAA assistant administrator.



- Designed and helped man a membership booth that was located at a number of constituent alumni society events;

- Traveled to a number of alumni chapters and helped telephone potential members in Rochester and New Ulm.

"In summary, the Student's Board's first year has been filled with a number of successful undertakings, and we are excited about expanding our efforts this year," Hartley said.

Reunion Time

THE CLASS OF 1931 will celebrate its golden anniversary June 1 at the University of Minnesota.

The Class of 1941 will celebrate its 40th anniversary Monday, May 11.

The 50th celebration will begin in the morning with a seminar, followed by a luncheon, a bus tour of the campus, and a reception in the home of University President C. Peter and Diane Magrath.

In the evening, there will be a social hour at the Minnesota Alumni Club, IDS Tower, and a dinner at the Marquette Inn Hotel. Speakers will include former Minnesota governor Elmer L. Andersen, who also was chairman of the University Board of Regents.

Dr. Vernon Smith will be master of ceremonies and Harry E. Atwood is chairman of the event. Chairwomen are Ruth Dickson Drake and Anne Winslow Oren.

All members of the Class of 1931 are urged to attend and should call Nancy Curtright at the Minnesota Alumni Association Center (612-373-2466) for more information.

The Class of 1941 will hold its reunion at the Minnesota Alumni Club, IDS Tower May 11. A panel of notables from the class and music from the 1930's, featuring Joe Jung's trio, will be part of the program.

Gordon L. Starr is chairman; chairwoman is Marian Leebens.

Official Notice

All current members of the Minnesota Alumni Association are encouraged to attend the annual dinner meeting Thursday, June 11, 1981, at the Minnesota Alumni Club, IDS Tower. The event will begin at 6

p.m. and will include a social hour spotlighting the arts at the "U," dinner, awards and official association business. For reservations, please contact the Alumni Center, 100 Morrill Hall, 100 Church Street SE, Minneapolis, Minnesota 55455, or call (612) 373-2466.

Our Alumni Chapter

THERE IS no shortage of chapter events this month and next, according to Nancy Devine, director of chapters for the Minnesota Alumni Association.

You may be interested in the following (details are in the calendar section of this magazine):

In Naples, Fla., alumni and their guests are invited to a tail-gate party Sunday, March 1, from 3 p.m. to sunset. Bring your food and beverages to the County Fairgrounds, one mile east of the Naples' airport on Radio Road.

On March 14, the Rochester Alumni Chapter will meet at 6:30 p.m. at the Minnesota Alumni Club, IDS Tower, Minneapolis, for a five-course meal. A band with the "big band sound" will provide entertainment. And for those interested, share a ride in the van

the chapter is renting.

The Wadena Alumni Chapter will hold its annual meeting March 30 where they will have a dinner followed by a talk by Professor J. Michael Bennett of the Department of Rhetoric.

The Ambassador to Finland will be the special guest at a Washington D.C. Alumni Chapter meeting April 6.

In Arizona, the Sun City Alumni Chapter will hold its final dinner meeting of the year April 10.

The Suncoast Alumni Chapter will hold a spring meeting and will discuss details of their University service project.

April 30 the Chicago Alumni Chapter will host a young alumni cocktail party.

- Chapter events for May and June will be announced.



The Twyla Tharp Dance Company of New York City will perform at Northrop Auditorium May 15 and 16. As a special treat, the MAA is offering members choice performance tickets and the opportunity to attend a post-performance reception Friday, May 15, with the dancers. Call (612) 373-2466 for more information.

Calendar

Alumni Chapters

NAPLES, FLORIDA CHAPTER

March 1

All Minnesotans are invited to a tailgate party Sunday from 3 pm to sunset. Bring your food and beverages to the County Fairgrounds, one mile east of the Naples' airport on Radio Road. Contact Nancy Devine, Minnesota Alumni Association, at (612) 373-2466 for more information.

ROCHESTER ALUMNI CHAPTER

March 14

Have you been looking for a good time to have a great meal in Minneapolis? The Minnesota Alumni Club is the place, and Rochester alumni are the people. Enjoy a fabulous five course meal and the big band sound all evening. Share a ride in a van the chapter is renting, or make your own plans to meet us at the club by 6:30 p.m. For further information, contact George Gibbs, (507) 282-7018.

WADENA ALUMNI CHAPTER

March 30

The annual meeting of the Wadena Chapter will provide area alumni with the opportunity to visit with Professor J. Michael Bennett of the Rhetoric Department. A great evening is planned as we renew ties to the U, help recruit students and have a great dinner. For further information, contact chapter president Mark Hanson (612) 631-2777.

WASHINGTON, DC ALUMNI CHAPTER

April 6

A special evening as the guests of the Ambassador to Finland is planned for chapter members. Mark down the date on your calendar, and watch for further information in the near future.

SUN CITY ALUMNI CHAPTER

April 10

The final dinner meeting of the year will be held for Sun City alumni. For further information, contact Vivian Hower, (602) 974-1701.

SUNCOAST ALUMNI CHAPTER

April 25

The spring meeting will highlight our service project for the University. Watch for further details.

CHICAGO ALUMNI CHAPTER

April 30

The first young alumni cocktail party will be held. Celebrate the beginning of spring and meet other young alumni in the area. Watch for further details.

Art Exhibitions

UNIVERSITY GALLERY NORTHROP AUDITORIUM GREEK VASES

February 9-March 31

THE CONTEMPORARY AMERICAN POTTER and MINNESOTA POTTERY: A POTTER'S VIEW

February 22-March 22

AMERICANS IN GLASS

March 30-April 30

AMERICA: 1919-1939

March 30-June 7

FACE TO FACE

May 7-June 15

Hours:

Monday, Wednesday, Friday 11 a.m.-4 p.m.

Tuesday, Thursday 11 a.m.-8 p.m.

Sunday 2-5 p.m.

For further information, call (612) 373-3424 or 376-3638.

GOLDSTEIN GALLERY ROOM 241, McNEAL HALL OF HOME ECONOMICS

FIBERS BY REBECCA ALM AND SUZANNE KJELLAND

March 2-27

UNDERGRADUATE DESIGN STUDENT EXHIBITION

April 6-24

LARKIN/LARKIN/LARKIN PRINTS AND DRAWINGS

May 1-29

Hours:

Monday-Friday 8 a.m.-4:30 p.m.

For further information, call (612) 373-1032.

JAGUES GALLERY JAMES FORD BELL MUSEUM OF NATURAL HISTORY

ENERGY THE SWEDISH WAY

February 8-April 5

Hours:

Tuesday-Saturday 9 a.m.-5 p.m.

Sunday 1-5 p.m.

For further information, call (612) 373-2423.

THE GALLERY and NORTH STAR GALLERY STUDENT CENTER, ST. PAUL LITHOGRAPHY BY BELA PETHEO

February 16-March 6

WATERCOLORS AND OILS BY ALEXANDRA BOIES

March 2-27

THE NEW STUFF: PAINTINGS BY LINDA POLARI AND RUS THOMAS

March 9-April 3

Hours: The Gallery

Monday-Friday 9 a.m.-10 p.m.

Saturday, Sunday Noon-5 p.m.

North Star Gallery

Monday-Thursday 7 a.m.-11 p.m.

Friday, Saturday 7 a.m.-12 p.m.

Sunday Noon-11 p.m.

Concerts

WINTER and SPRING INAUGURAL SERIES LUIS LEGUIA, CELLIST; WORKS BY BACH AND KODALY

Recital

8 p.m.

March 8

Scott Hall Auditorium

WINTER/SPRING QUARTERS

SCHOOL OF MUSIC EVENTS

UNIVERSITY SYMPHONIC BAND II, O'NEILL

SANFORD, CONDUCTOR

3 p.m.

March 1

Northrop Memorial Auditorium

UNIVERSITY WOODWIND AND BRASS ENSEMBLES

8 p.m.

March 3

Coffman Memorial Union Theater - Lecture Hall

UNIVERSITY SYMPHONIC CHORUS, DWAYNE

JORGENSEN, DIRECTOR; BRAHMS' REQUIEM

(ROSANN DELGEORGE, SOPRANO; LENUS

CARLSON, TENOR)

8 p.m.

March 6

Northrop Memorial Auditorium

UNIVERSITY WOODWIND ENSEMBLES, JOHN

ANDERSON, DIRECTOR

8 p.m.

March 11

Scott Hall Auditorium

UNIVERSITY OPERA THEATRE, VERN SUT-

TON, DIRECTOR; UNA COSA RARA (AN 18TH

CENTURY OPERA BY VINCENZO MARTIN Y

SOLER)

8 p.m.

April 3, 4

Scott Hall Auditorium

\$2 students / \$4 non-students

All concerts are free unless otherwise indicated.

For further information on School of Music

events, call (612) 376-9093 or 376-8639.

THE ART AND TECHNIQUES OF JAZZ IMPRO-

VISATION

JEANNE ARLAND PETERSON, PIANO, VOCAL

March 4

JIM TEN BENDEL, TROMBONE

April 8

GENE ADAMS, TRUMPET

April 29

All demonstrations are on Wednesdays at 2:15

p.m. in Scott Hall Auditorium. For further in-

formation on the series, call (612) 376-8639.

MACPHAIL CENTER FOR THE ARTS

MACPHAIL FACULTY ARTISTS SERIES

TELEMANN: Trio Sonata in A Minor; Leonard

Danek: Quintet (premiere); Brahms: Sextet in

B[♭] Major, Opus 18.

March 22

GIULIANI: Grand Sonata, Opus 25; Britten:

Phantasy Quartet; Respighi: Il Tramanto.

April 12

These chamber music concerts feature accom-

plished musicians of the MacPhail Center facul-

ty, a teaching department of Continuing Educa-

tion and Extension. Programs are held on Sun-

days, 3 p.m. in the Walker Art Center near down-

town Minneapolis. There is no admission

charge. For further information, call (612) 373-

1925.

STUDENT CONCERTS

STUDENT HONORS PROGRAM

March 1

STUDENT CONCERTO PROGRAM

March 29

Both of these concerts will be held at 3:30 p.m.

in the MacPhail Art Center Auditorium. For fur-

ther information, call (612) 373-1925.

ST. PAUL STUDENT CENTER

JESSE BRADY BAND

8 p.m.

March 12

This program will be held in the North Star Ball-

room. Admission is \$1.

Courses and Lectures

DEPARTMENT OF CONFERENCES

IMPROVING MANAGER/EMPLOYEE RELA-

TIONS THROUGH COMMUNICATION

March 4-5

LETTER AND REPORT WRITING FOR SECRE-

TARIES, ADMINISTRATIVE ASSISTANTS

March 6

CONFLICT STYLES AND STRATEGIES IN MAN-

AGEMENT

March 10-11

MAKING TASK RELATIONSHIPS AND GROUPS

WORK

March 13

INTRODUCTION TO TELEPROCESSING

March 18-20

TESTED TECHNIQUES IN PRODUCTION PLAN-

NING & INVENTORY CONTROL

March 23-25

DULUTH PARENT FAMILY LIFE INSTITUTE

March 3-4

HOSPITAL ADMINISTRATORS INSTITUTE

March 11-13

PERMANENCE FOR CHILDREN IN CRISIS

March 16-18

CITY CLERKS CONFERENCE

March 25-27

THE ROLE OF THE STATE IN FAMILY LIFE

March 2

DIFFERENT KINDS OF SERVICES FOR DIFFER-

ENT DISABILITIES

March-April

This is only a partial list of the programs spon-

sored by the Department of Conferences. For

further information on these and other pro-

grams offered call (612) 373-3486.

EXECUTIVE DEVELOPMENT CENTER

FINANCE FOR THE NON-FINANCIAL MANAGER

March 11-13

This seminar and others similar to it are sponsored by the Graduate School of Business Administration and require early enrollment due to limited class size. For further information, call (612) 373-3837.

EXTENSION COURSES

CREDIT

Spring Quarter March 30 to June 13
ART AND COMPUTERS (STUDIO ARTS 5410) 4 degree credits, \$136

6:10-9 p.m.

Wednesdays

INTRODUCTION TO POLITICAL PHILOSOPHY

(PHILOSOPHY 1004) 5 degree credits, \$97.50

6:20-8:50 p.m.

Wednesdays

HISTORY OF AMERICAN FOREIGN RELATIONS

(HISTORY 3883) 4 degree credits, \$92

6:20-8:50 p.m.

Mondays

MARKETING COMMUNICATIONS (MARKETING

3050) 4 DEGREE CREDITS, \$92

6:10-8:40 p.m.

Wednesdays

LEADERSHIP COMMUNICATIONS (SPEECH

3111) 3 degree credits, \$69

6:20-8:50 p.m.

Mondays

ACTING FOR NON-THEATRE MAJORS

(THEATRE ARTS 1301) 4 degree credits, \$78

9 a.m.-12 noon

Saturdays

DRAFTING: BASIC DRAFTING TECHNIQUES

(DESIGN 1550) 4 degree credits, \$79

6:20-8:50 p.m.

Wednesdays and Thursdays

This is only a partial list of the credit courses offered by the Extension School. For more information on other courses and registration, phone (612) 376-3000 to request a copy of the Extension Class Bulletin.

NON-CREDIT

MUSIC: HOW TO LISTEN TO IT (IC 0113) \$36

7-9 p.m.

Tuesdays

MANAGING YOUR OWN FUTURE (IC 0538) \$25

6:30-8:30 p.m.

Tuesdays

THE FABULOUS ISLAND CONTINENT ATLANTIS

IN FACT AND FICTION (IC 0318) \$30

7-9 p.m.

Tuesdays

FRENCH FOR TRAVELERS (IC 0583) \$28

7:-8:40 p.m.

Wednesdays

RECLAIMING A PERSONAL PAST: WRITING

THE HISTORY OF YOUR FAMILY (IC 0578) \$32

7-9 p.m.

Thursdays

This is only a partial list of the non-credit courses offered by the Extension School. Informal courses are non-credit, noncompetitive short courses offered for your enjoyment. There are no exams or grades. For further information on other courses and registration, phone (612) 376-3000 to request a copy of the Extension Class Bulletin.

PARKS AND PEOPLE: CONFLICT IN THE LEISURE

WORLD (IC 0280) \$35

7-9 p.m.

Wednesdays

RESIDENTIAL ENERGY DESIGN: NEW CON-

STRUCTION FOR HOMEOWNERS (IC 0254)

\$38

7-9:30 p.m.

Tuesdays

VEGETABLE GARDEN PLANNING AND PLANT-

ING (IC 0242) \$35

7-9 p.m.

Tuesdays

EXPLORING MUSIC FUNDAMENTALS

THROUGH MOVEMENT (IC 0013) \$53

5:30-6:30 p.m.

Tuesdays

MINOAN CRETE: DISCOVERING AN ANCIENT

CULTURE (IC 0322) \$28

7-9 p.m.

Wednesdays

WORLD AFFAIRS LUNCHEON SERIES

MAYOR DON FRASER, MINNEAPOLIS

MAYOR GEORGE LATIMER, ST. PAUL

"THE MIDDLE EAST AND THE TWIN CITIES —

THE ENERGY CONNECTION"

March 18

JAPAN CARAVAN 1981

THREE JAPANESE LEADERS — BUSINESS,

MEDIA AND THE ACADEMIC COMMUNITY"

March 23-24

Sponsored by Continuing Education and Extension

in Public Policy, all luncheons are sched-

uled from noon till 2 p.m. Cost for a luncheon

held on campus is \$7, and all reservations

should be made two days prior to the event by

calling (612) 373-3799.

SAMPLER LECTURES

NUTRITION FACTS AND FALLACIES: CAN YOU

TELL THE DIFFERENCE?

March 4

SAMPLER LECTURES

THE SEA: ITS ATTRACTION AND POWER IN

STORY AND SONG

March 10

CREATING A PHYSICALLY ACTIVE LIFESTYLE

March 17

All lectures are held at the Earle Brown Con-

tinuing Education Center at 7:30 p.m.

No preregistration is required: admission is \$1

payable at the door.

There is ample parking in lots next to the Center

and across the street. People 62 and older are

admitted free. You may buy a series ticket for \$3

that is good for four admissions.

ELDERHOSTEL 1981

PERSONAL EXPRESSION THROUGH PHOTO-

GRAPHY: SMALL TOWN ON THE PRAIRIE: GEOL-

OLOGY AND THE GEOLOGIC HISTORY OF MINNE-

SOTA

July 12-17

University of Minnesota-Morris

CREATIVE WRITING: MORAL ISSUES IN

HEALTH AND LAW: GRAVITATION, OR: HOW

THE MEEK INHERITED THE UNIVERSE

July 12-17

University of Minnesota-Twin Cities

CREATIVE WRITING: MORAL ISSUES IN

HEALTH AND LAW: SCENIC GEOLOGY

July 19-25

University of Minnesota-Twin Cities

ECOLOGY OF THE RED RIVER VALLEY AND

ADJACENT AREAS: CALLIGRAPHY: SOUTH

AMERICA: FROM THE INCAS TO THE PRESENT

July 26-31

University of Minnesota-Crookston

CREATIVE WRITING: MURDER, MYSTERY,

AND MAYHEM: WHODUNIT? GRAVITATION,

OR: HOW THE MEEK INHERITED THE UN-

IVERSE

July 26-31

University of Minnesota-Twin Cities

THE INDIVIDUAL AND THE STATE: THE

ATMOSPHERIC ELECTRICAL PICTURE OF OUR

EARTH: LANDSCAPE DRAWING

August 2-8

University of Minnesota-Duluth

LANGUAGE AS A REFLECTION OF CULTURE:

MANAGING STRESS; EXERCISE, HEALTH AND

VITALITY

August 9-15

University of Minnesota-Duluth

HORTICULTURE: PLANT PROPAGATION,

HOUSEPLANTS, AND HOME LANDSCAPING;

SAUDI ARABIA: THE SHIFTING SANDS OF THE

DESERT: QUILTING

August 16-22

University of Minnesota-Crookston

The courses are offered at 22 college campuses

through Minnesota. The dates for the programs

are tentative. For more information please call

(612) 376-2704 or write to Minnesota Elderhos-

tel, 201 Westbrook Hall, University of Minnesota,

77 Pleasant Street SE, Minneapolis, MN 55455.

ALVIN AILEY AMERICAN DANCE THEATER

March 13-14

The Ailey company emphasizes eloquent performing with roles that demand intense pitches of emotion and physicality. Alvin Ailey's programs always offer a wide range of artistry — his own works, which blend primitive, modern and jazz dance in explorations of basic human conditions, plus the works of other choreographers.

MERCE CUNNINGHAM DANCE COMPANY

April 25

"Never to have seen a Cunningham program is to have missed one of the revolutionary turns in the road of contemporary dance," writes one of the country's foremost dance critics. "In his fragmented dissociated way, Mr. Cunningham has taught both dancers and audiences to regard dance differently. A regular dancegoer who passes up the Cunningham experience is not a very daring one."

DANCE THEATRE OF HARLEM

May 2-3

This newcomer to the Northrop season is acclaimed for its contemporary and classical repertoire, and for its marvelous dancers who convey the true feeling that dance is their language. The company's variety and vitality are a credit to Arthur Mitchell, founder and artistic director (with Karel Shook). Mitchell's choreography of *Swan Lake Act II* is one of the company's showpieces.

TWYLA THARP DANCE COMPANY

May 15-16

"Surprise is the lifeblood of Tharp's choreography. Sometimes she makes a whole dance about a way-out idea, and sometimes she threads clashing ideas throughout an entire dance" (Marcia Siegel). Best of all, the dances she creates are amply endowed with elasticity to take advantage of her talented dancers' individuality.

These events take place at Northrop Auditorium.

For further information, call (612) 373-2345.

STUDENT CENTER, ST. PAUL

LINDA SHAPIRO AND DANCERS

March 5-7

Included will be new work in collaboration with Libby Larsen entitled "In Seasons Past" inspired by Minnesota weather (and the *Baja Journal*) which is a dance based on Keith Gunderson's quasi-autobiographical novel of the metaphysics and morals of fishing. Shapiro has been performing and choreographing in the Twin Cities for several years and is on the U of M dance staff.

This performance will take place in the theater

located on the lower level of the Student Center.

For further information, call (612) 373-1051.

Film

WEEKEND FILM SERIES

MY BODYGUARD (USA)

7:30 and 10:00 p.m. December 6, 7

8:00 p.m. December 8

ROCK AND ROLL HIGH SCHOOL (USA)

Midnight March 6, 7

Screenings are held at the Coffman Memorial

Union Theater. For further information, call

(612) 373-2403.

WEST BANK UNION — BIJOU

WESTERN SERIES

WAYOUT WEST (USA 1937)

8 p.m. March 6

RED RIVER (USA 1948)

8 p.m. March 13

Screenings are held in Willey Hall on the West

Bank. Admission is \$1 for students and \$1.50

for others. For further information, call (612)

373-5058.

Theater

NO. NO NANETTE

by Frank Mandel and Otto Harbach

February 20-March 8

Dance

NORTHROP DANCE SEASON

CAMINO REAL

by Tennessee Williams
April 24-May 10

SERENADING LOUIE

by Lanford Wilson
May 1-17

YOUNG PEOPLE'S UNIVERSITY THEATER

TOAD OF TOAD HALL

March 7

The above plays are presented by the University of Minnesota Theater. For more information, call (612) 373-5193.

Radio

KUOM 770 AM

Daily Schedule for the Month of March

MONDAY-FRIDAY

- 10:30 Images: An Arts Magazine (Mon-Fri)
- 11:00 Science Fiction and Fantasy* (Mon, Wed)
- 11:00 The Record Shelf (Tue)
- 11:00 Talk of Many Things (Thur)
- 11:00 Options in Education (Fri)
- 11:30 Tales of H. C. Andersen* (Mon, Wed)
- 11:30 U of M Focus (Fri)
- 12:00 Scope — News Hour (Mon-Fri)
- 12:30 Dr. Tell Me (Mon-Fri)
- 1:00 Minnesota Issues (Mon)
- 1:00 Public Affairs (Tue-Fri)
- 1:30 Equal Voice: A Women's Forum (Mon)
- 2:00 Afternoon Concert (Mon-Fri)
- 3:55 Community Calendar (Mon-Fri)
- 4:00 All Things Considered (Mon-Fri)
- 5:30 Music For A While (Mon-Fri)

SATURDAY

- 12:00 Scope — News
- 1:00 Jazz Revisited
- 1:30 Images: An Arts Magazine
- 2:00 The Saturday Show
- 4:00 On The Black Side
- 5:00 All Things Considered
- 6:00 Music

*Ends March 18

THE RECORD SHELF

TUESDAYS 11 am.-Noon
THE ART OF ALBERT COATES

March 3

The Symphony No. 2 in b minor of Borodin (recorded 1929-31) and Coates' famous Wagner recordings.

YES, BUT THEY'RE NO JOKE TO PLAY

March 10

A history of the birth and evolution of the scherzo, from the turn of the 19th century to the present.

Z NOVEHO SVETA

March 17

A comparison of the various recordings of Antonin Dvorak's "New World Symphony."

TO THE MEMORY OF AN ANGEL

March 24

A study of Alban Berg's "Violin Concerto," which concludes with a performance by the man who commissioned the work, violinist Louis Krasner.

THE FOLK CONNECTION

March 31

A study of the 400-year old fascination that serious composers have had with the music of the people.

HORIZONS

Thursdays 1:30-2 p.m.

WOMEN IN NEPAL

March 5

This program explores women within the Nepalese society and the dilemma many of them face as they encounter Western ideas.

INTERNATIONAL LIVING: WIVES WHO FOLLOW

March 12

This program examines the problems and mechanics of adjusting to home away from home, when husbands and wives are sent to live and work abroad by their companies, universities or other organizations.

THE WOMEN WHO WOVE: WOMEN IN THE NEW ENGLAND TEXTILE MILLS

March 19

A look at women textile workers from the 19th century to the present. Over the years, the poor working conditions facing mill workers have remained the same, but the spectrum of women workers has changed — from Yankee farm women seeking independence to the daughters of immigrants who had few other choices to today's mill workers who continue the struggle to unionize.

THE ELDERLY AND WORK

March 26

A close-up on elderly people in different work related situations and the advantages of continuing to work after age 65.

JAZZ REVISITED

SATURDAY 1-1:30 p.m.

March 7

Two recordings each of "Star Dust", "When the Saints Go Marching In" and "I Know That You Know."

March 14

Some humorous recordings from the 1940's including jazzmen and others who defy categorization.

March 21

Instrumentals by the Charlie Barnet band during the ten-year period from 1936 to 1946.

March 28

Recordings from the late 1920's of the Hotsy Totsy Gang.

For further information or a copy of the program guide, call (612) 373-3177.

Women's Sports

TENNIS

ST. OLAF COLLEGE, HERE

4 p.m.

March 4

MACALESTER COLLEGE, AT ST. PAUL

March 10

ALL-STAR MATCH AT COMO TENNIS CLUB, ST. PAUL

6 p.m.

March 13

UNIVERSITY OF HAWAII, AT HONOLULU

March 22-23

LEEWARD COLLEGE AT UNIVERSITY OF HAWAII, HONOLULU

March 24

OCCIDENTAL COLLEGE AT UNIVERSITY OF HAWAII, HONOLULU

March 25

HILO COLLEGE, HILO, HAWAII

March 26

BRIGHAM YOUNG UNIVERSITY AT LAIE, HAWAII

March 27

Home matches played at Bierman Field Athletic Building.

BASKETBALL

WISCONSIN

March 7

ALAW REGION 6 CHAMPIONSHIP, HERE

March 13-15

ALAW NATIONAL CHAMPIONSHIP AT UNIVERSITY OF OREGON, EUGENE, OREGON

March 26 and 28.

Home games played at Williams Arena.

GOLF

AUBURN TIGER TIDE TOURNAMENT AT AUBURN UNIVERSITY, AUBURN, ALABAMA

March 6, 7, 8.

SPRING BREAK TRIP IN TEXAS

March 21-28

TRACK AND FIELD

UNIVERSITY OF NORTHERN IOWA AT CEDAR FALLS, IOWA

March 7

ALAW NATIONAL CHAMPIONSHIP AT IDAHO STATE, POCATELLO, IDAHO

March 13-14

ARIZONA INVITATIONAL AT UNIVERSITY OF ARIZONA, TUCSON, ARIZ.

March 28

SWIMMING

ALAW NATIONAL CHAMPIONSHIP AT UNIVERSITY SOUTH CAROLINA, COLUMBIA, S.C.

March 18-21

AAU NATIONAL CHAMPIONSHIP AT PRINCETON UNIVERSITY, PRINCETON, N.J.

March 27-29

SOFTBALL

GLENDALE COMMUNITY COLLEGE AT GLENDALE, CALIF.

March 22

ARIZONA STATE AT PHOENIX, ARIZ.

March 23

CAL-POLY POMONA

March 26

GOLDEN WEST COLLEGE AT SAN FRANCISCO, CALIF.

March 27

CHAPMAN COLLEGE AT ORANGE, CALIF.

March 28

GYMNASTICS

MISSOURI AT PARK CENTER HIGH SCHOOL, PARK CENTER

7 p.m.

March 13

ALAW REGION 6 CHAMPIONSHIPS AT IOWA STATE UNIVERSITY, AMES IOWA

March 27-28.

For further information on women's athletic events, call (612) 373-2255.

Men's Sports

BASKETBALL

UNIVERSITY OF MICHIGAN AT ANN ARBOR

March 5

UNIVERSITY OF WISCONSIN AT MADISON

March 7

BIG TEN CHAMPIONSHIPS AT COLUMBUS, OHIO

March 13-14

NCAA CHAMPIONSHIPS AT LINCOLN, NEB.

April 2-4

WRESTLING

BIG 10 AT UNIVERSITY OF WISCONSIN, MADISON

March 1-2

NCAA AT PRINCETON UNIVERSITY, PRINCETON, N.J.

March 12-14

SWIMMING

BIG 10 AT MILWAUKEE

March 5-7

NCAA AT AUSTIN, TEXAS

March 26-28

NATIONAL AAU AT BOSTON

April 8-11

TENNIS

MINNETONKA INVITATIONAL AT MINNETONKA RACQUET CLUB

7:00 p.m.

March 6-8

DARTMOUTH AT SAN DIEGO

March 23

CALIFORNIA-IRVINE AT IRVINE, CALIFORNIA

March 24

PEPPERDINE AT MALIBU, CALIFORNIA

March 25

UNIVERSITY OF SAN DIEGO AT SAN DIEGO

March 26

SAN DIEGO STATE AT SAN DIEGO

March 27

TRACK AND FIELD

BIG TEN INDOOR AT COLUMBUS, OHIO

March 6-7

LSU AT BATON ROUGE, LA

March 21

LSU INVITATIONAL AT BATON ROUGE, LA.

March 28

TEXAS RELAYS AT AUSTIN, TEXAS

April 3-4

BASEBALL

TEXAS LUTHERAN AT SEGUIN, TEXAS

March 22

TEXAS AT AUSTIN, TEXAS

March 23-24

HOUSTON UNIVERSITY AT HOUSTON

March 25

SAM HOUSTON AT HUNTSVILLE, TEXAS

March 26-28

GYMNASTICS

BIG 10 CHAMPIONSHIPS AT COLUMBUS, OHIO

March 13-14

Class Notes

by Erlene Pearson

10 *Ina B. Rowe*, retired, said she is "enjoying the leisurely pace of Sun City, Ariz."

18 *Quincy H. Hale*, La Crosse, Wis., is senior member of the La Crosse law firm of Hale, Skemp, Hanson and Skemp.

22 *Donald C. Wallace*, Palos Verdes, Calif., has been an active long-distance amateur radio operator for more than 71 years and has contacted countries including Saudi Arabia, New Zealand, Antarctica and the Soviet Union. He has received awards and citations for his amateur radio achievements and has traveled to 90 nations to transmit radio messages and visit with ham operators.

23 *Carl S. Sandin*, is retired and lives in Chicago. *Marshall W. Ryman*, Eden Prairie, is included in the college director's of athletics hall of fame.

25 *Margaret L. (Hyde) Laughrey*, Brookings, S.D., is a retired home economics extension agent for South Dakota State University.

George Abramson is retired and lives in Beverly Hills, Calif.

Adeline L. Koller, San Jose, Calif., is retired after 23 years with the California Department of Employment.

26 *Robert F. Light*, Nyack, N.Y., retired, is chairman of the board of the American Institute of Science and Technology, New York, and is director of the New York Federal Savings Bank.

27 *Hans A. Norberg* is retired and lives in Tulsa, Okla.

Marvel Dell Rehm, Kerrville, Texas, is involved with the League of Women Voters and the Kerrville Concerts Association.

Marguerite O. Pogne, La Cañada, Calif., is president of the Glendale-Foothill division of the California Retired Teachers Association.

28 *Louis F. Davis*, Minneapolis, received a 50-year certificate from the Minnesota Bar Association.

29 *Ruth R. Purves*, Seattle, is involved in volunteer work and traveling.

L. Patrick Moore is retired and lives in New London, N.H.

Dr. Erhart E. Zemke is retired and lives in Fairmont, Minn.

Winfred L. Hinderman is retired and lives in Stillwater.

30 *Jack J. Bissell*, Houston, has served 26 years as agency manager for Bankers Life Co.

Olaf R. Lindstrom, Washington, Va., retired, enjoys fishing and traveling.

Florence H. Sayen, Rock, Mich., retired after 42 years of teaching, is a volunteer tutor. She is a member of the local board of education and credit union.

Errol Donald Anderson is retired and lives in Ortonville, Minn.

Julian Eric Aurelius, Whiting, N.J., is retired after 40 years in manufacturing, research and administration for E. R. Squibb and Sons, Princeton, N.J. He now is part-time archivist and museum director for the company.

Carl Borgeson, St. Paul, is retired from the department of agronomy and plant genetics at the University of Minnesota, St. Paul. He is a member of the St. Anthony Park Association and the American Society of Agronomy.

Homer E. Brown is an adjunct professor at North Carolina State University, Raleigh, N.C. He has taken trips throughout the United States and to Europe, Mexico and South America.

Margaret V. (Oman) Carman, Graham, N.C., is a retired public health nurse.

Robert L. Dunn, San Antonio, Texas, is president of the American Institute for Character Education, San Antonio.

Elizabeth Bellamy (Bass) Constant is retired and lives in Essex, Conn. She still writes and travels extensively.

Dr. William Harold Ford is retired and lives in Hopkins. He is a fellow of the American College of Surgeons and a member of the Hennepin County Medical Society and the Minnesota Medical Association.

Rev. Bertil Alf Erling, Jamestown, N.Y., is retired after serving in several parishes of the Lutheran Church in America.

Anthony Albert Gasser, Minnetonka, is retired from Smith, Barney, Harris, Upham and Company Inc., Minneapolis.

Dr. Theodore R. Fritsche, New Ulm, Minn., has a solo medical practice in New Ulm.

Harold William Hawkinson, Minneapolis, retired, is owner of Elizabeth Dress Shop, Minneapolis.

Mildred Louise (Blanch) Gute, Owatonna, Minn., is retired from the Medford (Minn.) public schools.

Gerald E. Huston, Anoka, is retired from the Anoka-Hennepin School District 11.

Samuel Hill, Valley City, N.D., is retired from Sam Hill Glass and Paint Co., Valley City.

31 *Alice H. Fuller* is retired and lives in Minneapolis.

Rose L. Gieffer, Burnsville, is a medical technologist and laboratory coordinator at Uptown Community Clinic, Minneapolis.

Richard H. Bachelder, Minneapolis, retired, is general counsel for a public retirement-fund association.

Dr. Harold O. Westerdahl, Poway, Calif., says he is "retired, and enjoying every moment in southern California."

Agnes Cowern is retired and lives in St. Paul.

W. Stanley Ekern is retired and lives in St. Paul.

32 *Henry R. Cline*, retired, spends the winters in Arizona and the remainder of the year in Cloquet, Minn.

Esther P. Bauer is retired and lives in St. Paul.

Lillian J. Hankland, Minneapolis, works in the advertising sales department of the Minneapolis Star and Tribune Co., Minneapolis.

Ben R. Brainerd, Minneapolis, is retired after 31 years with the Minnesota State Department of Education.

Mary A. Webb, Lexington, Ky., is chairwoman of the religion and race committee for the First United Methodist Church and is a member of the long-range planning committee.

Dr. Arthur B. Brudvik, Mohall, N.D., is retired from dentistry after 48 years in practice.

Harold T. Miller, Edina, is a legislative fiscal analyst for the Minnesota Senate and he is president of the board of Big Brothers Inc. of greater Minneapolis.

Meyer Gold, Las Vegas, Nev., is executive vice president of television station KVBC, Las Vegas.

33 *Dr. Edson M. Curry* is serving his 48th year as a dentist in Kalispell, Mont.

Mildred (Johnson) Castiner, Red Bank, N.J., joined three of her 1933 classmates, *Gertrude (Page)*

Hardtman, Belleaire Bluffs, Fla., Helen (Doyle) Casey, Lincoln, Neb., Rhea (Ehlers) McBride, West St. Paul, last year for a reunion. They hope to meet in 1983 at their 50th class reunion.

Roman F. Arnoldy, Houston, is president of the Houston Rotary Club.

Robert E. Evans, Hilo, Hawaii, is retired after serving 36 years as office manager for a local sugar company.

34 Albert J. Mealey, Dayton, Ohio, who retired after 42 years with the same company, is interested in community affairs and travel.

Laura K. Gilloley, Fergus Falls, Minn., is a retired associate professor at the University of Northern Iowa, Cedar Falls, Iowa.

Dr. Curt W. Lundquist, Owatonna, Minn., is retired.

Edward H. Kloss Jr., Seattle, is working with N. G. Jacobson and Associates, consulting engineers, Seattle. He is a retired civil engineer from the Corps of Engineers.

35 Oswald C. J. Hoffmann received a distinguished service award from the alumni council of Concordia College, St. Paul. He has been the speaker on "The Lutheran Hour" for more than 25 years, has traveled, and has written books and articles.

Albert W. Marsh, Riverside, Calif., is retired after 21 years with the agricultural extension service at the University of California, Riverside. He also served 14 years with the soils department at Oregon State University, Corvallis, Ore., and two years with the soil conservation service in Amarillo, Texas. He has had several foreign assignments including ones in Africa, Spain, Iran, Libya, Egypt, Asia and the Near East and Malaysia. Since retirement he has done irrigation consulting, technical writing and is an occasional speaker.

B.O.A. Thomas, Palo Alto, Calif., says he and his wife are "enjoying retirement, traveling, working with youth and our 10 grandchildren."

Marcella L. Smith, Garden City, Kan., has published the third edition of her book on agricultural business and machines for farming.

36 Harrison Randolph, Minneapolis, is retired as vice president and general manager of the northern ordinance division of FMC Corp.

Tora Tuve Ladu, Raleigh, N.C., is retired as language division director for North Carolina's Department of Public Instruction.

Dr. Carl L. Johnson, Lindstrom, Minn., is retired after 42 years of practice.

Quintus C. Wilson, De Kalb, Ill., is retired as executive secretary of the Association for Education in Journalism.

Alan K. Ruvelson Sr., St. Paul, is president of First Midwest Corp. and First Midwest Capital Corp., Minneapolis. He is on the board of trustees of The College of St. Catherine, St. Paul, and is on the boards of Atlas Minerals and Chemicals Inc., Mertztown, Pa., Comserve Corp., Mendota Heights, Nutrition World Inc., Minneapolis, and Smith Pipe and Steel Co., Phoenix, Ariz. He is a member of the executive committee of the Business-Industry-Political Action Committee of Minnesota and has served as president of the Minnesota Alumni Association.

Richard C. Poucher, Santa Ana, Calif., has been an evening instructor in real estate investing at Santa Ana College for 10 years. He also has been conducting advanced seminars at Orange Coast College.

Gertrude Esteros, St. Paul, retired in June as head of the design department at the University of Minnesota, St. Paul.

37 John E. Mikkali, Healdsburg, Calif., works for the Army Corps of Engineers and is involved in the Warm Springs dam and fish hatchery project in California.

Richard C. Smith, Columbia, Mo., is assistant director of the school of forestry, fisheries and wildlife at the University of Missouri.

Janet (Fritz) Nelson, St. Paul, retired last year after 15 years' service as social worker with the Dakota County Welfare Department. She is doing volunteer work at United Hospitals in St. Paul.

38 Charles I. Binder, Miami, Fla., is chairman of the department of family medicine at Mt. Sinai Medical Center, Miami Beach, Fla.

Dr. Walter W. Fletcher is retired and lives in Edina.

Roland H. Abraham, St. Paul, is part-time campus coordinator of the University of Minnesota's agricultural extension project in the Caribbean. He retired from the University in 1979 after 42 years on the faculty.

Saul T. Benjamin, Sacramento, Calif., retired in October as a member of the Unemployment Insurance Appeal Board, Sacramento, and as administrative law judge.

Dr. Graham G. Smith, Coronado, Calif., retired in October 1980. He is president and chief executive officer of Medical Advisory Services International, Coronado.

39 Donald F. Johnson, Cambridge, Minn., owns Leader Department Store in Cambridge.

Harry J. Davis, Cedar Ridge, Calif., who retired from the U.S. Forest Service, is president of the Grass Valley National Association of Retired Federal Employees.

John W. Glynn, Rockford, Ill., is president of Howard H. Monk and Associates and is a board member of Rock Valley College, Rockford.

Owren J. Aftreth, Chappaqua, N.Y., is an architect for E. L. Barnes Association, New York.

Homer S. Anderson, Ridge-wood, N.J., retired in May from Rosario Resources Corp., and now is a consultant for the company.

Dr. Richard H. Loeppert, Raleigh, N.C., is professor emeritus of chemistry from North Carolina State University, Raleigh.

William M. Dolan Jr., Minneapolis is retired from the certified public accounting firm of Main, Hurdman and Cranstoun, Minneapolis.

40 Leola Josefson, Hopkins, is president of the Minnesota chapter of the American Scandinavian Foundation and the Northwestern Lutheran Seminary Auxiliary, St. Paul. In August 1980 she was a representative of Americans of Icelandic Descent at the Icelandic Festival of Manitoba at Gimli, Manitoba, Canada.

Arnold C. Erickson is retired and lives in St. Paul.

Curtis O. Lynum, San Mateo, Calif., is retired from the Federal Bureau of Investigation as special agent in charge of the San Francisco office, and is retired as vice chairman of the California Parole Board.

Janet C. Prevey, Mankato, is a medical technologist for the Hennepin County Medical Center, Minneapolis.

Fred L. Bucciant, Minneapolis, is vice president of Stanton Associates Inc., St. Paul, a division of Deferred Compensation Administrators Inc.

Ruth M. Fleming, San Antonio, Texas, is director of the Visiting

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Nurse Association in San Antonio, and is an elder at Madison Square Presbyterian Church.

✓ *Marie J. (Brom) Eller*, Minneapolis, is a librarian at the University of Minnesota, Minneapolis.

Dr. Robert Burr Bailey is a physician at Hyland Plasma Center, Tucson, Ariz.

Wilson Lloyd Davis, Keokuk, Iowa, is president of Davis Development Corp., Keokuk.

Gordon C. Donnelly, Wheaton, Minn., is president of the State Bank of Wheaton.

✓ *Charles Wesley Roberts*, Bethesda, Md., is director of information for the National Wildlife Federation, Washington. He has written "LBJ's Inner Circle", "The Truth About the Assassination", and "Has the President Too Much Power?"

✓ *Ralph E. Smith*, Morris, Minn., is superintendent of the University of Minnesota's West Central Experiment Station, Morris.

Edwin James Seder, Douglaston, N.Y., is president of Aurora Electric Company Inc., Richmond Hill, N.Y.

Ena Maxine (Burdine) Shawhan, West Chester, Pa., is a volunteer for the American Red Cross.

Theodore Richard Specht, Sharon, Pa., is design engineer for Westinghouse Electric Corp., Sharon.

Luther W. Stringham, Middlethian, Va., is planning director of the Central Virginia Health Systems Agency, Richmond, Va.

Helen Phyllis (Attwooll) Thomas is retired and lives in Medford, Ore. She last served 14 years as a physical education and health teacher in Phoenix, Ore.

Owen Wangensteen Dead at 82



Dr. Owen Wangensteen was one of the greatest teachers of surgery in the United States.

DR. OWEN WANGENSTEEN, 82, Regents' Professor Emeritus of Surgery at the University of Minnesota, who died of an apparent heart attack January 13 in Minneapolis, was a world-noted surgeon, educator and longtime chief of surgery at the University.

He was eulogized by former students Lyle French, University of Minnesota vice president for health sciences; Gill Campbell, former University professor and current head of the surgery department at the University of Arkansas; C. Walton Lillehei, a retired University professor who performed the University of Minnesota's first open-heart surgery; Richard Varco, Regents' Professor Emeritus of Surgery; and Maurice Visscher, Regents' Professor Emeritus of Physiology. John Najarian, current head of the surgery department and Dr. Wangensteen's successor, also spoke at the memorial service in Mayo Memorial Auditorium of the University's Minneapolis campus.

Among his achievements are a suction tube technique used in hospitals around the world and procedures for treatment of gastric cancer.

Many of his former students are now department chiefs or full professors at leading medical schools and hospitals. Two of them, Norman E. Shumway and Christiaan Barnard, performed the first heart transplants.

Of teaching, Wangensteen once wrote, "As the life of a parent continues in a child, so too the life of a teacher goes on to his pupils. As a father thrills in having a son

Dr. Bernhoff R. Skogmo, Mitchell, S.D., has a general medical practice in Mitchell.

Robert Chester Roesler, Rochester, is chairman of the department of administration at Mayo Clinic-Mayo Foundation, Rochester.

Adolph P. White, Northfield, Minn., is retired as chairman of the music department at St. Olaf College, Northfield.

Wayne G. Shaffer, Rockville, Md., is senior vice president of Automation Industries Inc., Silver Spring, Md. He is a member of the

Quarter Century Wireless Association, the American Radio Relay League, the National Security Industrial Association and the American Defense Preparedness Association.

Otto Adelbert Silha, Minneapolis, is chairman of the board of the Minneapolis Star and Tribune Co., Minneapolis.

Hazel (Stoick) Stoeckler, St. Paul, is an associate professor in design at the University of Minnesota, St. Paul. She is a member of the Interior Designers Educators Council, the American Home Economics Asso-

ciation and the American Association of Housing Education. She is a freelance artist and designer and writes for professional journals, magazines and newspapers.

Gerard A. Thompson, Peoria, Ariz., is retired from General Box Co., Des Plaines, Ill.

Mary Rachel Towey, Edina, is principal of Susan Lindgren Elementary School, St. Louis Park.

Ruth Ellen Swanbeck, Springfield, Minn., is a retired teacher from the Minneapolis public school system.

whose achievements dwarf his own, so too the teacher finds as great and keen a satisfaction in the accomplishment of his scholars for whose training he was partly responsible as in any accomplishment of his own."

Wangensteen was born on a small farm in Lake Park, Minn., in September 1898. He earned a B.A. degree from the University of Minnesota in 1919 and an M.D. degree in 1922.

After a year as a fellow in surgery at the Mayo Clinic in Rochester, Wangensteen returned to University Hospitals as a resident in surgery in 1925, and in that year received a Ph.D. degree in surgery.

Wangensteen, then age 31, was chosen in 1930 to head the surgery department, a post he held until he retired from the University in 1967. Wangensteen remained active in the department until his death.

"This man had an extraordinary impact on medicine throughout the world," said N.L. Gault, dean of the Medical School.

"Dr. Wangensteen was one of the greatest teachers of surgery in the United States," said John Najarian, head of the surgery department who succeeded Wangensteen. "He will be greatly missed at conferences and teaching sessions, and I will personally miss his friendship and consultations," he said.

When Wangensteen became head of the surgery department, intestinal obstruction frequently killed patients after surgery. He developed a technique known as "Wangensteen suction" in which a tube is passed through the

nose, down the esophagus and into the stomach. There it draws fluid from the intestinal tract.

Every hospital in America uses the technique and, as one University faculty member put it, "the Wangensteen suction is a household word in surgical clinics."

In 1962, Wangensteen developed a technique to treat ulcers by deep freezing the patient's stomach. A balloon attached to a tube is lowered into the stomach and inflated with a coolant to refrigerate, for example, an ulcer.

The technique apparently works to reduce the pain of gastric disorders by destroying tiny nerve endings that cause pain and by impairing the stomach's ability to make acids and other secretions.

"The Chief," as he was known to his colleagues, has been called one of the big three who had key roles in making the Medical School one of the world's leading research centers. (The other two are Cecil Watson, Regents' Professor Emeritus of Medicine and former head of the Department of Medicine, and Maurice Visscher, Regents' Professor Emeritus of Physiology.)

Shortly after Christiaan Barnard's revolutionary heart transplant operations in the late 1960's, an article in *Business Week* magazine about the University of Minnesota Medical School traced that surgery back to Wangensteen's laboratories and teaching methods.

Heart transplants, the article noted, "can be traced to a long series of developments in surgical science over the last 15 years — many of them in the United States

and many of them at the University of Minnesota."

The magazine described how the department of surgery "grew up around Wangensteen like a mushroom in the middle of the prairie," adding that the Wangensteen approach is leading to miracles of surgery."

In 1972, Wangensteen established the Wangensteen Historical Library of Biology and Medicine at the University. The library includes more than 25,000 volumes, some dating to the 15th century.

And in 1979 the University dedicated the Phillips-Wangensteen Building as one of the newest additions to its health sciences complex. The 16-level building was named for Wangensteen and Minneapolis philanthropist Jay Phillips. It houses outpatient clinics, some Medical School departments, and related health science service departments.

Wangensteen once wrote, "The future of medicine and surgery demands that while we strive to improve the sciences of our craft, we do not neglect the compassionate graces of sympathy, mercy and charity."

He is survived by his wife, Sally (Davidson) Wangensteen of Minneapolis; a daughter, Mrs. Mary Brink of Wayzata, Minn.; and two sons, Stephen Wangensteen of Tucson, Ariz., and Owen Griffin Wangensteen of Spain.

Memorials can be sent to either the University of Minnesota Foundation for the Wangensteen Bio-Medical Rare Book Fund or to the Wangensteen-Davidson Professorship in Surgery.

George Jordan

ican Board of Ophthalmology. He is the co-founder and former chairman of the Preschool Survey of Vision and Hearing, and is the author of more than 90 papers and other publications.

Richard Elmer Horner, Waseca, Minn., is president and director of E. F. Johnson Co., Waseca.

Triggri Willard Isfeld, Tannton, Minn., is campus planner and physical plant director at Southwest State University, Marshall, Minn.

Irving Almer Johnsen, Westlake, Ohio, is retired chief of the chemical rocket division of the National Aeronautics and Space Administration's Lewis Research Center, Cleveland. He is a member of the American Institute of Aeronautics and Astronautics, the Westlake Historical Society and Friends of the Library. He and his wife have traveled extensively since retirement and operate a small antique business.

Walter Frank Johnson Jr., Okemos, Mich., is an education professor at Michigan State University, East Lansing, Mich.

Mary (Donovan) Kelly, St. Paul, is a realtor for Cushing and Driscoll Inc., St. Paul.

Carl Henry Kopplin, Sun City, Ariz., is retired from Pratt and Whitney Aircraft, East Hartford, Conn.

Albert F. Kosek, St. Paul, is an attorney for State Farm Insurance Cos., St. Paul.

Ruth Marian (Lindquist) Lakey, Reno, Nev., is a physical therapist at Reno Orthopedic Clinic, Reno.

Roger E. Larson, Schenectady, N.Y., retired in July as an engineer in the nuclear plant operations at General Electric Co.'s Knolls Atomic Power Laboratory, Schenectady.

Rosemarie Clara (Allen) Lechner, Princeton, N.J., is a data technician for Mathematica, Princeton.

Charles H. Lewis, Shell Lake, Wis., is president and manager of Badger Cranberry Company Inc., Shell Lake.

Leif H. Lie is retired and lives in Morris, Minn.

Lawrence Locken, Waconia, Minn., is a chemist for Peavey Co., Chaska.

Dr. Wallace W. Lueck, Minneapolis, is a retired pediatrician.

Curtis Orville Lynum, San Mateo, Calif., is retired vice chairman of the California Adult Authority Parole Board, Sacramento, Calif. He also had served with the Federal Bureau of Investigation, retiring as chief — special agent in charge — of the San Francisco FBI office. He has written a book and numerous articles on law enforcement and is a member of the Association of Chiefs of Police, the California Sheriff's Association and the California Peace Officer's Association.

Grace Marie (Daly) Maertins, Berkeley, Calif., is supervisor of secondary education at the University of California, Berkeley.

Raymond Day Manchester, Visalia, Calif., has a private dermatology practice in Visalia.

Ruth Virginia (Swan) Mattison is a homemaker and lives in Willmar, Minn.

Richard McGee, Roseville, is president of McGee Engineering Co., Roseville.

Alvin Edward Miller, Golden Valley, is chairman of Miller Management Co., Minneapolis.

Robert Hugh Monahan, St. Paul, is chief of ophthalmology at St. Paul Ramsey Hospital, St. Paul. He also is a clinical professor at the University of Minnesota, Minneapolis, and is involved with the Minnesota Eye Clinic, St. Paul.

Thomas Edward Murphy, Minneapolis, is a mechanical engineering professor at the University of Minnesota, Minneapolis.

Carl R. Narveson, Moorhead, Minn., is retired as director of special services at Concordia College, Moorhead.

Dr. Samuel Jonathan Oltmans, Minneapolis, is a partner in the dental practice of Oltmans and Oltmans, Minneapolis.

Joseph W. Newman, Woodland Hills, Calif., retired after 32 years civilian service with the U.S. Air Force.

Rodger Lincoln Nordbye, Minneapolis, is a partner in the Minneapolis law firm, Faegre and Benson.

Willard D. Olson, El Cajon, Calif., is a self employed civil engineer.

Lorraine Edna (Anderson) Malley, St. Paul, owns Chimney House Antiques, an antique and costume shop, St. Paul.

Dr. Stuart Alexander Patterson, Ft. Collins, Colo., has a private radiology practice in Ft. Collins. He also is a radiologist at Poudre Valley Memorial Hospital, Ft. Collins, and is a professor at the University of Colorado Medical School, Denver.

Stella Doris (Sather) Peterson, Marshall, Minn., is a homemaker. She also is a member of the Marshall Planning Commission and is teaching English as a second language to Chinese-Vietnamese refugees.

Warren Yale Pickering, Oklahoma City, Okla., is a consulting petroleum geologist. He is a member of the American Association of Petroleum Geologists, the Society of Independent Petroleum Earth Scientists, the Chamber of Commerce, and

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is an elder and deacon of the Westminster Presbyterian Church in Oklahoma City.

Fraeda H. Platkin, Fargo, N.D., is a homemaker.

Kenneth E. Puffer, White Bear Lake, is executive vice president of William Steel and Hardware Co., Minneapolis.

Harry E. Hillstrom, Lancaster, Pa., is retired from the Aluminum Company of America, Pittsburgh.

Melvin E. Hansen, Minneapolis, is personnel placement consultant for Ells Employment Service, Minneapolis.

John Roger Haserick, Pinehurst, N.C., is a dermatologist at Pinehurst Dermatology.

Paul Charles Husen, Borger, Texas, is retired after 34 years with Phillips Petroleum Co., Borger.

Thomas J. Jeffrey, Richardson, Texas, is a self-employed petroleum consultant in Dallas.

Madeline M. (Angell) Johnson, Red Wing, Minn., is a free-lance writer. She is a member of the Authors Guild, the Audobon Society and the Minnesota Historical Society.

Phyllis Joan (McCrary) Kaliber, Newport Beach, Calif., is a retired art teacher.

Gerhard Philip Kretschmar, Bellaire, Texas, is president of Rulon Electric Company Inc., Houston.

Audrey Dolores Landquist, Minneapolis, is a retired librarian for Sheridan Junior High School, Minneapolis. She is a member of the Swedish Cultural Society, the American Swedish Cultural Foundation and is active as a concert pianist and accompanist.

41 *Paul Roseland*, Temple, Texas, is an interior designer for the Fort Worth district of the U.S. Army Corps of Engineers. Before joining the corps he operated his own interior design studio in Temple. He is a member of the American Society of Interior Designers.

42 *Hubert J. Thome*, Wilmington, Del., is a market specialist in the agricultural chemicals division of E. L. duPont de Nemours and Company Inc.

Kenneth E. Ogren, Reston, Va., served with a team in Cairo, Egypt, last year to appraise Egyptian agricultural policies.

Robert W. Swenson, Salt Lake City, has been on the University of Utah college of law faculty since 1953. He was appointed to fill the Farr Chair in Law in September 1980. He has been a visiting professor at several universities and has served on com-

mittees for the Utah State Bar, the Association of American Law Schools and the University of Utah.

43 *Charles W. O'Connell Jr.*, St. Paul, is senior partner in the St. Paul law firm of O'Connell and O'Connell, P.S.

Harold J. Westin, White Bear Lake, is president of Harold J. Westin Architects and Engineers, P.A., and is president of Nilcon Integrated Building Systems, an advanced energy-saving construction technology company. Both are in St. Paul.

Russell W. Nash, Dubuque, Iowa, is associate professor of sociology and chairman of the sociology and social work department at the University of Dubuque. He has been on the faculty since 1965.

Erwin Tomash, Los Angeles, is chairman of the board and founder of Dataproducts Corp., Los Angeles. He is serving his second term on the foundation's board of directors.

Fred Weil Jr., Minnetonka, is president of the Republic Acceptance Corp., Minneapolis. He is serving as president of the board of directors of The Saint Paul Chamber Orchestra Society, and is honorary director of the Minnesota Opera Co. board of directors.

46 *Ruth T. Olson*, Minneapolis, is president of the Minnesota Women's Golf Association.

James E. Devitt, New York, is chairman of the board and chief executive officer of The Mutual Life Insurance Company of New York and is on the board of directors for Hart Schaffner & Marx, and the National Can Corp. He also is a member of the board and the committee on economic policy of the American Council of Life Insurance. He serves on the Greater New York Advisory Board of the Salvation Army, the Greater New York Councils of the Boy Scouts of America, and the Hull Foundation Governing Committee of the American College.

47 *Roy E. Swanson, Jr.*, Minneapolis, is executive vice president of the Federal Cartridge Corp., Anoka.

Edward J. LaFave Jr., Morris, Minn., is president of Citizens Bank, Morris.

Dr. Donald E. Jasper, Davis, Calif., is associate professor of clinical pathology in the college of veterinary medicine at the University of California, Davis. He received the 1980 Distinguished Veterinary Alum-

nus award from the Washington State University college of veterinary medicine, Pullman, Wash.

48 *Jean S. Hulbert*, Manhattan, Kan., is a medical technologist at Memorial Hospital.

C. Rodger Larson, Austin, is foreman of the George A. Hormel and Co., rendering and stockfood division.

Natalie A. (Wilmot) Morgan, Yuma, Ariz., is a counselor at Arizona Western College, Yuma.

49 *A. John Jantos*, La Crescenta, Calif., is owner of John Jantos Menus, a national menu and menu cover sales organization.

Clifford W. Call, Edina, is vice president and treasurer of McGarvey Coffee Inc., Minneapolis.

William F. White, Winona, former owner of the *Winona Daily News*, is continuing with the company as publisher emeritus.

Kenneth M. Hall, Upper Saddle River, N.J., is a manufacturers representative for Hall Components, Upper Saddle River, in the refrigeration, air-conditioning industry.

Marye (Decker) Gannett, Hyattsville, Md., is chief of the public contact branch of the Immigration and Naturalization Service, Washington.

50 *Marilyn D. Haugen*, Edina, is president of the Minnesota chapter of the Arthritis Foundation.

Noel H. Goss, Austin, is senior food technologist in the research and development department of George A. Hormel and Co., Austin.

Yvonne Grant, Bloomington, is a dental hygienist.

Marvin Jacobson, St. Paul, is a patent lawyer with the law firm of Jacobson and Johnson, St. Paul. He is chairman of the board of the Minnesota division of the American Cancer Society.

51 *Willard L. Boyd*, Iowa City, Iowa, is president of the University of Iowa. He is a member of the National Council on the Arts and is chairman of the American Bar Association's section of legal education and admissions to the bar.

Dr. Winston A. Malmquist, a former student, Ames, Iowa, has received the Stange Award from the college of veterinary medicine at Iowa State University. Prior to his retirement he served with the U.S. Department of Agriculture and the National Animal Disease Center, Ames.

52 Donald T. Franke, Naples, Fla., is president of Collier County Bar Association.

Dr. William J. Hadlow, Hamilton, Mont., a former student, is head of the slow viral disease section of the histopathology section of the epidemiology branch at the Rocky Mountain Laboratory of the National Institute of Allergy and Infectious Diseases, National Institute of Health. Last year he was the recipient of the Distinguished Alumnus Award from Ohio State University college of veterinary medicine.

53 Kathryn H. Glen, Wheaton, Ill., is a research and development technologist at Northwest Community Hospital, Arlington Heights. She serves on the editorial board of the *American Journal of Medical Technology*.

Robert W. Foster, Fargo, N.D., owns and operates Foster Drug in Moorhead, Minn. He is chairman of the board of the Minnesota State Pharmaceutical Association.

Gisela Konopka, Minneapolis, attended '53, is professor emeritus from the University of Minnesota, St. Paul.

54 Gordon E. Tinker, Houston, is a petroleum engineer for Shell Oil Co., Houston.

Richard F. O'Neill, Marco, Fla., is a pilot for Pan Am Airlines, Miami.

Ann Helgeson, St. Cloud, works for C. G. Rein Gallery, Minneapolis.

Robert H. Stumm, St. Paul, is retired after 23 years with the University of Minnesota and the Law School Library, Minneapolis.

Demetrios C. Ziaskas, Phoenix, Ariz., is director of Mervyn's Maryvale Mall store in Phoenix.

55 Elaine M. Tinker, Houston, is a business teacher for the Houston Independent School District.

Fannie E. Fisher, Greensboro, N.C., is a retired librarian.

56 Roger L. Born, Monterey, Calif., is sales manager for Pro-Log Corp., a manufacturer of microprocessors and PROM programmers.

Walter V. Hohenstein, Lake City, Minn., is director of articulation for the central administration of the University of Maryland, College Park, Md. He is president-elect of Phi Kappa

Phi and will serve on a 12-member national board of Phi Kappa Phi for the next nine years.

57 Gerald J. Santers, Edina, is director of corporate compensation and benefits for International Multifoods Corp., Minneapolis. He is responsible for all United States, Canadian and international compensation and benefit activities as well as program planning, development, and administration. He has been with the company since 1963.

John R. Albers, Dallas, is senior vice president of marketing for the Dr. Pepper Co., Dallas.

Ton DeVos, San Antonio, Texas, is chairman of the department of political science at Trinity University, San Antonio. He is past chairman of the faculty senate at Trinity and recently was named the outstanding educator by Trinity's mortar board honor society.

Richard L. Fjellman is director of marketing for Scholastic high school products for Jostens Inc., Minneapolis.

58 Harold E. Quill, Rock Island, Ill., is regional administrative partner for the certified public accounting firm of McGladrey, Hendrickson and Co.

Gerald A. Heuer, Moorhead, Minn., is professor and chairman of the mathematics department at Concordia College, Moorhead. During the 1980-1981 academic year he is serving as visiting professor of pure and applied mathematics at Washington State University, Pullman, Wash.

59 Leroy A. Bengston, Denver, is executive vice president of Management Design Associates.

Dorothea Wender is professor and chairman of the department of classics at Wheaton College, Norton, Mass. She is a poet and writer. Her latest book, *Roman Poetry: From the Republic to the Silver Age*, is an anthology of English verse translations of the best and most famous poems from every major Latin poet of the classical period.

60 Elizabeth F. Hogan, Hastings on Hudson, N.Y., is an adjunct professor of English at Mercy College, Dobbs Ferry, N.Y., and is a creative writing workshop teacher at Elizabeth Seton College, Yonkers, N.Y.

Richard R. Smith, Dayton, Ohio, is an aerodynamicist on super-

sonic/hypersonic defense systems for the U.S. Air Force Department of Defense, Wright-Patterson Air Force Base, Ohio.

Curtis A. Botko, Bloomington, is an apartment manager.

Sheldon L. Thompson, Glen Mills, Pa., is director of the applied research and development department of Suntech Inc., Marcus Hook, Pa. He has been with the company since 1962.

David P. Campbell, Greensboro, N.C., is executive vice president of the Center for Creative Leadership, Greensboro.

61 Judith A. Taplin, Stillwater, is director of physical medicine at Bethesda Lutheran Medical Center, St. Paul.

Dr. James M. Thomson Jr., New York, is a therapist at Mt. Sinai Hospital, New York.

Delores J. Reidel, North Ferrisburg, Vt., is associate minister at the Congregational Church, Essex Junction, Vt.

Helen C. Oczak, White Bear Lake, is retired after teaching grade school in the St. Paul school system for 39 years.

Lawrence J. Stefan, Medinah, Ill., is president of L&S Industries Inc.

Dr. Warren W. Marquardt, Northwest Carrollton, Md., is a professor at the University of Maryland, College Park, Md.

Raymond Henry Larson is associate professor of German and classics at St. John's University, Collegeville, Minn. Last year he received a National Endowment for the Humanities Summer Fellowship to study at the University of Chicago.

Jon H. Llenemann, Hamilton, Mont., is a pilot for Northwest Air Lines.

62 Thomas H. Holland, West St. Paul, is retired after 20 years as director of ushering at Northrop Auditorium, Minneapolis.

63 James L. Johnson, Woodridge, Ill., is assistant regional director of the Chicago area for the U.S. Census Bureau.

L. E. Erickson, St. Louis, is a senior cartographer at the Defense Mapping Agency Aerospace Center, St. Louis.

Robert O. Fetvedt, Eau Claire, Wis., retired in August 1980 as director of libraries at the University of Wisconsin, Eau Claire. Since joining the staff in 1965, he has been instrumental in the planning of the

five-story library addition, expansion of the instructional media center, the area research center, and the archives. After retirement he plans to relax, read and take classes related to his hobbies.

John G. King, Glen Ellyn, Ill., is executive vice president of the Evangelical Hospital Association, Oak Brook, Ill. He is responsible for the development, direction and coordination of all operational functions of the association. He is a member of the American Hospital Association, the American College of Hospital Administrators, American Management Association, and the Catholic Health Assembly.

64 *David G. Cook*, St. Cloud, is president of Stearns Manufacturing Co., St. Cloud.

Irwin L. Gubman, Mill Valley, Calif., is vice president and associate general counsel of the Bank of America, San Francisco. He is responsible for three major sections of the bank's legal department.

65 *Elizabeth K. Olson*, Ashland, Wis., is president of the Bayfield-Ashland County League of Women Voters.

Wayne B. Sorensen, Fort Sam Houston, Texas, is a health care administration instructor in the U.S. Army-Baylor University graduate program at the Academy of Health Sciences, Fort Sam Houston.

66 *William Fouts III*, Kirtland, Ohio, is president of M&F Inc., machine tool distributors.

Richard C. Elling, Oak Park, Mich., is director of the graduate program in public administration and assistant professor of political science at Wayne State University, Detroit. He is a member of the Council of the Research Section of the National Association of Schools of Public Affairs and Administration.

67 *Gertrude L. Winters*, St. Paul, is vice president of the education foundation programs of the American Association of University Women's, Minnesota division, and she is a member of the national AAUW development committee.

Virginia H. Hummel, Blacksburg, Va., is supervisor of language arts, social studies and foreign languages for the Montgomery County school system in Virginia.

Dr. Marjorie A. Mack, Aurora, Colo., is part owner of Front

Range Medical Lab, Westminster, Colo.; and is on staff at Mayfair Women's Clinic and the department of obstetrics and gynecology at Denver General Hospital, both in Denver.

Judith M. Richardson received her juris doctorate last year from Western State University College of Law, San Diego, and has been certified as a candidate to take the California Bar examination.

68 *Phyllis C. Dickstein*, Yorba Linda, Calif., is a systems analyst for the American Savings and Loan Association, Fullerton, Calif.

69 *Wendell E. Wilson Sr.*, Milwaukee, is president and chief executive of Simon Aerials Inc., a subsidiary of Simon Engineering Ltd., Milwaukee.

LtCdr. Jean L. Kohlmeyer, Alexandria, Va., works in the office of the joint chiefs of staff for the U.S. Navy.

Barbara J. Ross, Redwood Falls, Minn., is editor of the *Redwood Gazette* and is a professional photographer with Images Studio, Redwood Falls.

Dr. Gerald E. Merwin, Gainesville, Fla., is assistant professor of surgery in the otolaryngology division of the University of Florida, Gainesville.

Donald C. Williams, Minneapolis, is a media specialist at Sanford Junior High School, Minneapolis.

Philip A. Pfund, North Canton, Ohio, is manager of the thermal and fluids technology section of Alliance Research Center, a division of the Babcock and Wilcox Co.'s research and development division, Alliance, Ohio.

70 *Michael P. Tillemans*, Minneapolis, is an account executive underwriter for Aetna-Connecticut General Insurance Co., Minneapolis.

Dr. Charles N. Standing, Minneapolis, is head of the department of research and development for General Mills, Minneapolis.

Dr. Elliott S. Goldstein, Tempe, Ariz., is associate professor in the department of zoology at Arizona State University, Tempe.

Jon P. Kerrick, Minnetonka, is vice president of engineering for Advance Circuits Inc., Minnetonka.

Lawrence A. Goga, Brooklyn Center, is an investigator for the state of Minnesota's office of the legislative auditor.

Dr. Ernest W. Lampe, Minneapolis, is a general surgeon in Minneapolis.

71 *Daniel E. Oberpriller*, Minneapolis, is partner and senior vice president of RK&O, Minneapolis.

Gary E. Saari, Hibbing, Minn., is chief mechanical engineer for Eveleth Mines.

Bruce E. Schmidt, Edina, is quality director for Pearson Candy Co., St. Paul.

Dr. Macaran A. Baird, Wabasha, Minn., is a family physician and marriage and family therapist in Wabasha.

James P. Olson, Jackson, Miss., is plant engineer for Frito-Lay Inc., Jackson.

Alton C. Todd, St. Paul, is a consultant with Arthur Andersen and Co., Minneapolis.

Frank A. Kulacki, Newark, Del., is professor and chairman of the department of mechanical and aerospace engineering at the University of Delaware, Newark.

Stephen B. Olsen, Minneapolis, is a licensed psychologist with the Harley and Nelson Clinic in Minneapolis.

72 *Clarence Vittala*, Fremont, Neb., is retired and is a member of Optimist International.

Judith A. Pedersen, South St. Paul, works at the Veterans Administration Medical Center, Minneapolis.

Gary L. Gerber, Seattle, is an associate with Valentine, Fisher & Tomunson, consulting engineers.

Dr. Jerome P. Euteneuer, Minneapolis, is practicing dentistry in Edina.

Reginald G. Berg, Champ- lin, owns and operates Bergford Trucking Co.

Leigh E. Morris, La Porte, Ind., is president of the La Porte Hospital and is chairman of the board of the Indiana Hospital Association.

Donald J. Kuharski, Minneapolis, is senior financial analyst for Northern Telcom Systems Corp., Minneapolis.

73 *Jeffrey R. Swanson*, St. Paul, is office manager for Packaged Furniture and Carpet Co., Minneapolis.

John C. Goetz, Minneapolis, is practicing law in Minneapolis.

David S. Devin, Minneapolis, is an instructor in career data processing education at the Minneapolis Technical Institute, Minneapolis.

matrix

A 13 program television series

Host Peter Graves, '49, and the unique stories of the people and programs at the University of Minnesota. Here is a complete list of Programs 1 through 13 usually broadcast on Sundays (check your local stations for times):

Program 1: "Opera Studio" (Duluth), where students sing while they are distracted . . . "Charles Nolte," a playwright, librettist, actor, and director of theater arts . . . "Civil and Mineral Engineering Building," is going underground . . . "Boundary Waters Canoe Area (BWCA)," inflation and a plan to deal with it.

Program 2: "Cheerleading," where it all started . . . "Bell Museum of Natural History," where viewers take part . . . "Rural Schools (Morris)," where discipline has improved . . . "University Heating," a plan to save money.

Program 3: "Gopher Basketball," like you've never seen before . . . "International Students (Crookston)," are from 12 countries . . . "E. W. Ziebarth," an eloquent man with interesting stories . . . "Goldstein Gallery," showcase for student work.

Program 4: "Women's Gymnastics," involving the Women's Gymnastics Minnesota International Meet . . . "Women's History Sources," where thousands of women's history has been discovered . . . "Preoccupational Preparation Program (POP) (Waseca)," on-the-job interns . . . "Claire Gonska," is brilliant and is 87

Program 5: "Recreational Sports Officials," the philosophy behind officiating recreational sports . . . "County Extension," let's go to Carver County . . . "Cattails," plants that capture energy from light . . . "Low Vision Reading," helping the near blind to read.

Program 6: "University Theater," 50 years of drama . . . "John Ingle (Morris)," a highly accomplished watercolorist . . . "Tempeh," a soybean product high in vitamins . . . "Moot Court," national student competition.

Program 7: "Arboretum," was established in 1958 when 160 acres were purchased. Now there are 638 acres . . . "Men's Gymnastics," has won the Big 10 championship five times . . . "Clara Bloomfield," says leukemia is curable . . . "Animal Reproduction," test-tube animals and cloning.

Program 8: "Reginald Buckner," teacher, jazz pianist and organist . . . "Roger Staehle," dean of the Institute of Technology . . . "Microelectronic Center," long on talented researchers, short on facilities . . . "Dight Institute of Human Genetics," a look at Huntington's disease.

Program 9: "Child Development Center (Crookston)," school and day care center for children six weeks to six years . . . "Twins," what happens when twins are separated from each other at birth? . . . "Small Farms," helping young farmers just starting out . . . "Lary and Elaine May," a workable two-career marriage that allows for a family, too.

Program 10: "Lie Detector Reliability," the myth of the infallibility of lie detectors . . . "Lawyers Education," how students get hands-on experience . . . "Poison Control Center," serving the public 24 hours a day . . . "The China Connection," the concert band's tour of the People's Republic of China last year.

Program 11: "Streamline Dreams," Jack Liebenberger designed all those movie theaters . . . "KUOM," one of the oldest radio stations in the nation . . . "Native Americans and Chemical Dependency," a program that works . . . "Veterinary Clinic," from a bill to a poodle.

Program 12: "Dominic Argento," Pulitzer Prize winner in music . . . "Food Processing (Waseca)," where students get experience in this field . . . "Learning Resource Center for Indian Students," created in the fall of 1978 for American Indians . . . "Homemaker's Economic Value," helping the homemaker develop a sense of self-worth . . .

Program 13: "Lightning," George Freier is an expert on all aspects of lightning . . . "Aquaculture," how to raise fish . . . "Family Practitioners (Duluth)," sending medical students to rural areas . . . "Health Heart," that project at Montevideo.

Check your local station for broadcast times:

KSTP-TV, Channel 5, Minneapolis and St. Paul
KDLH-TV, Channel 3, Duluth
WDSE-TV, Channel 8, Duluth
KEYC-TV, Channel 12, Mankato

KTTC-TV, Channel 10, Rochester
KCMT-TV, Channel 7-12, Alexandria
Cable TV, Crookston

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74 Bruce W. Olson, Eagan, completed a four-year apprenticeship last year in mailing trade of the International Typographical Union at the Minneapolis Star and Tribune Co., Minneapolis.

75 Edwin E. Lappi, Rosemount, is president of Amco Steel Fence Company Inc., St. Paul.

Yona Kackl, Appleton, Wis., is a clinical specialist in the research and development consumer business division of Kimberly Clark Corp., Neenah, Wis.

Thomas M. Demarec, Fridley, is an electrical engineer for Control Data, Minneapolis.

Lloyd A. Peterson, Lakewood, Colo., operates the land gravity exploration department of Exploration Data Consultants, a Denver based geophysical company.

Gwendolyn J. (Markus) Gallant, Las Vegas, Nev., is a telemetry coordinator.

S. Gene Kanofsky, Edina, is a senior accountant for Fisher Nut Co., St. Paul.

Dr. Bailus Walker Jr., Arlington, Va., is director of occupational health standards for the U.S. Department of Labor.

Edward A. Holtz, San Jose, Calif., is a sales representative in the hardware trades division of 3M Co., San Jose.

Keith L. Smith Jr., St. Paul, is a stockbroker for Paine, Webber, Jackson and Curtis, St. Paul.

Betty K. MacTaggart, Edina, is public affairs director for the Pacific communications area headquarters at Hickam Air Force Base, Hawaii.

Rosemary Steen, Minneapolis, is an instructor in the physical therapy assistant program at St. Mary's Junior College, Minneapolis. Last summer she served as a volunteer physical therapy consultant in Korea.

Grace P. Racster, Berwyn, Ill., is a medical social worker at the University of Illinois Hospital, Chicago.

Jon D. Fogdall, Apple Valley, is a fire and security technical writer in the commercial construction division of Honeywell Inc., Minneapolis.

Mary H. Rutter, Canton, Minn., is a dance instructor at Luther College, Decorah, Iowa.

Les J. Hoven, Tacoma, Wash., is human resources administrator for Weyerhaeuser Co.'s future structural flakeboard mill in Grayling, Mich.

Dolores (Hughesdon) Turner, St. Paul, received her master's in counseling last year from Ball State University, Muncie, Ind.

76 Barbara J. Volp, Cocoa, Fla., is assistant metro editor of Today newspaper, Cocoa.

Beth A. Miskowiec, Fridley, is public relations manager for Rise Inc., Minneapolis, a training and employment firm for the handicapped.

Dr. Mark M. Malmberg, Orlando, Fla., is a lieutenant in the U.S. Navy Dental Corp.

Mark R. Schuster, Bloomington, is senior production control coordinator for Magnetic Peripherals Inc., Minneapolis.

Naphtali M. Kaufman, Chicago, is a librarian in the school of public health at the University of Illinois Medical Center, Chicago.

Philp Rutter, Canton, Minn., is a fencing instructor in the health, physical education and recreation department at Luther College, Decorah, Iowa.

Mary Jean Hall, Austin, is doing her residency training in pediatrics at Baylor College of Medicine Affiliated Hospitals, Houston.

Linda Susan Oniki, Upper Montclair, N.J., received her master's in social work last year from Rutgers, The State University, New Brunswick, N.J.

James Allen Golla, Luverne, Minn., is doing his residency training in Temple, Texas, at the Scott and White Memorial Hospital.

Doug Kuehnast, St. Paul, is a loan officer in the family farm security program with the Minnesota Department of Agriculture.

Bruce A. Rorem, Brooklyn Center, is doing his residency training in family practice at the St. Paul-Ramsey Hospital and Medical Center.

77 Dr. Karl G. Johnson, Clear Lake, Wis., has a private, general dental practice.

John H. Ng, Brooklyn, N.Y., is a financial analyst for Shearson Loeb Rhoades Inc.

Mary E. Lukkarila, Chisholm, Minn., is director of Buhl Public Library in Buhl, Minn.

Karl H. Mettke, Duluth, is personnel officer for the Superior National Forest headquarters in Duluth.

James S. Melzer, St. Paul, is public relations coordinator for the Grain Terminal Association, St. Paul.

Larold E. Lent, Syracuse, N.Y., is material engineer in the research division of Carrier Corp., Syracuse.

Dean P. Maragos, Santa Clara, Calif., has completed his juris doctorate at the University of Santa Clara School of Law.

Roxann M. Goertz, New York, is an assistant account executive for Marsteller Advertising, New York.

Clyde G. Hanson, Iowa City, Iowa, is a principal in Kerr Associates Inc., Minneapolis, and is a contributing editor of Cost Data for Landscape Construction.

78 Alan E. Anderson, St. Paul, is coordinator of prospective student services for the college of agriculture at the University of Minnesota, St. Paul.

Kim M. Cooke, Kokomo, Ind., is a high school special education teacher as well as a swimming coach and a mother.

Ann M. Konkkel, Muncie, Ind., is in executive management training with Sears and Roebuck Co., Muncie.

1st Lt. Barbara G. Mueller, Alexandria, Va., is an ADP officer in the U.S. Army. She is involved in the development and maintenance of software for the Pentagon's telecommunications center, Washington.

Brian C. Jacobs, Chesterfield, Va., is assistant professor of vocational education at Virginia Commonwealth University, Richmond, Va.

Harry R. Gurrola, St. Paul, is a district agent for the Prudential Insurance Company of America, Minneapolis.

Dr. Jack L. Churchill, Rochester, is practicing dentistry in Rochester.

Patricia J. (Harms) Richter, Ridgefield, Ct., is associate editor of Engineering Magazine.

Pamela J. Blumfeldt, Bridgeville, Pa., is a dental hygienist.

Debra A. Peterson, Minneapolis, is a consultant for Touche Ross and Co., Minneapolis.

Deanise M. Green, Minneapolis, is a technical writer for Northwestern National Life Insurance Co., Minneapolis.

Sarah J. Johnsen, Rushmore, Minn., manages JoAnn Fabrics Store in Worthington, Minn.

Robert W. Aho, Haslett, Mich., is a wildlife research biologist for the Michigan Department of Natural Resources.

Dr. Bruce D. Trulson, Stewartville, Minn., has a private dental practice in Stewartville.

Barbara J. Larson, Union City, Calif., is doing graduate work in finance and accounting at the University of California, Berkeley.

We're Bullish on Libby

THE MINNEAPOLIS STAR



Is Libby Larsen on the edge of significant success?

IT'S HARD TO believe that Libby Larsen once wanted to be a stockbroker.

The harsh, competitive arena of stocks, bonds, puts and sells seems far removed from the hushed and staid concert halls in which she has chosen to demonstrate her occupation as a composer of classical music.

Yet, even though she loved music and wrote songs that were sung in her grade school and junior high classes, in her years at Southwest High School a career in stocks is what Larsen wanted to do. She even got a part-time job at a local brokerage and prepared to enter the University of Minnesota where a major in business was a likely prospect.

But somehow, when she got there, her avocational interest in music composition overwhelmed the call of bulls and bears, and music became her life.

She quickly tucked away bachelor's, master's and doctorate degrees in music and even had time as a graduate student to help organize the Minnesota Composer's Forum. The group of fledgling musicians was formed to provide young composers with a means of listening to performances of their work. It has been a great success and now sponsors numerous concerts each year at the Walker Art Center.

Now, at the age of 30, Libby Larsen seems on the edge of significant success. She has already written four operas, a couple of which have been produced outside the Twin Cities, and numerous instrumental compositions. She is now eagerly awaiting the critical reception of her first stage musical and a commissioned work for seemingly omnipresent flutist Eugenia Zukerman. The musical version of O. Henry's *The*

Gift of the Magi opened recently at Actors Theatre of St. Paul while the 17-minute flute work is traveling with Zukerman to London's Wigmore Hall for a presentation in March. It premiered in New York last October and was well received by both critics and audience.

Things have not always gone this smoothly for the slight, dark-haired Larsen.

One of her first ventures into the operatic format was "Some Pig," a musical adaptation of the E. B. White tale, *Charlotte's Web*. It was a great success and was scheduled for extensive performances when Larsen received a letter from White.

She was informed kindly but firmly that there was a question of copyright in her use of his story and that he would appreciate it legally and professionally if further performances of "Some Pig" were canceled.

"I got this letter," she recalled in a recent interview, "which said you have stolen my story."

"I had no idea about copyrights, and I had to stop producing it."

"Some Pig" hasn't been performed since and is unlikely to be, since only the payment of many thousands of dollars will pry the rights loose from Paramount Pictures which purchased them from White many years ago.

"It's a real shame," said Larsen, "since there just aren't that many modern operas that people want to put on."

There is another budding artist in the Twin Cities who apparently is as unaware of copyright rules as was Larsen and is about to receive a letter not only from White but from the composer.

"I noticed there is some kid putting on a play around town called 'Some Pig.' It's an adaptation of the book, too. He is going to get a letter from me and probably from E. B. White, too. He stole my title."

Larsen says her composing has a sort of Jekyll and Hyde quality, which is represented by the contrasts between her work for Actors Theatre and Eugenia Zukerman.

"I have two different styles. One, the instrumental, is a bit more cerebral, abstract, painting style. For example, no one who heard the Eugenia Zukerman flute piece and this score ["Magi"] would connect them.

"The second style is clear, accessible, bright and theatrical. I find both equally challenging, although the egotistical side of me prefers to do the instrumental style. But when I'm involved in the accessible style, I'm very happy," she said.

To a certain extent, said Larsen, her music reflects the differing demands of her separate audiences.

"A theater audience is not there to listen to music. I want to write music that works with the play, to communicate in an accessible way. At an instrumental concert, the audience is there to hear the

music and approaches the music in a totally different way."

Not the least of the problems that faced Larsen and lyricist-writer John Olive in adapting *The Gift of the Magi* was how to flesh out a tightly written, four-page short story into a work of acceptable theatrical length.

The story is a simple and ironic one about a poor, young couple who sell the things most dear to them in order to buy Christmas gifts for each other.

"We started from the point that you could probably tell the entire story in three sentences, yet it is still full of emotions like hope, love and frustration.

"So we began to list the emotional elements in the story that we wanted to retain: frustration, poverty, feeling of too little time, commitment, love, hope and gift giving. All those are universal elements that are not just found on the East Side of New York in 1908. People at this Christmas season feel all those elements. And to those we added temptation in the form of Nicky, a man who suggests that Jim do something illegal to get the money.

"The temptation enhances the gift-giving. They are perfect gifts not because of what they are, but what they represent in terms of hope and commitment. The music happened from that idea, too," said Larsen.

While Larsen's chosen field doesn't offer the financial rewards of a seat on the stock exchange, she says it is possible to make a living at her craft.

"I can make a living. It's difficult but not impossible. The biggest problem is that the American public is not aware it can hire composers. You can commission a piece of music for an occasion, a dinner or any event. As that opportunity becomes better known, our prospects will get much better."

It may not have the attraction of oil futures, but it's just possible an investment in Libby Larsen's musical future could be a good one: Her stock is definitely on the rise. *Peter Vaughan*, the Minneapolis Star.

Chris Paidosh, Minneapolis, is a metallurgical engineer in the quality assurance engineering division of Medtronic Inc., Minneapolis.

Timothy J. Pollard, Minneapolis, married Brenda J. Lofferty in October 1980.

Karen B. Holtmeier, Plymouth, is a nutrition consultant.

Gerald H. DuFour, Forest Lake, is principal at Oak Grove High School, St. Paul.

Gregory E. Kupka, Crystal, is a senior accountant for Diversified Insulation Inc., Minneapolis.

Carl T. Oltvedt, Minneapolis, is an assistant art professor and director of the Kirsch-Beck Gallery at Alma College, Alma, Mich.

79 *Beryl A. Wheeler*, Edina, is an instructor at Gustavus Adolphus College, St. Peter, Minn. She is working on her master's in nursing at the University of Minnesota.

Alison G. Curme, Melrose, Minn., is quality control laboratory supervisor for Kraft Inc.

Julie A. Watje, Roseville, is a nurse at the Masonic Cancer Center, Minneapolis.

Donna J. Herrick, Maple Grove, is a cost accountant for Golden Valley Health Center, Golden Valley.

Karen L. Kuenmerle, Farmington Hills, Mont., is an interior designer for the D. L. Walts Co., Troy, Mich.

Michael P. Pearson, Cary, Ill., is a consulting civil engineer for Pearson-Holt Inc., Wheeling, Ill.

Thomas L. Baynham, Richmond, Va., is affirmative action officer and director of employee relations at Longwood College, Farmville, Va.

Gerald David Tucciarone, Minneapolis, is attending the American Graduate School of International Management, Glendale, Ariz.

Eric Hagen, Newberry, S.C., is a speech and theater instructor at Newberry College, Newberry.

Diane E. Hull, Minneapolis, is attending the American Graduate School of International Management, Glendale, Ariz.

80 *Gary M. Bakker*, Bloomington, is doing graduate medical training in obstetrics and gynecology at the Mayo Graduate School of Medicine, Rochester.

Larry R. Bergstrom, Foley, Minn., is doing graduate medical training in internal medicine at the Mayo Graduate School of Medicine, Rochester.

Deaths

Dr. Kenneth A. Phelps, '13, on Sept. 9, 1980, in Burlington, N.C.

Margaret (Hutchinson) Compton, '14, in November 1980, in Cambridge, Mass. She was a member of the executive board of the National Council for Community Services to International Visitors, president of the Boston Council for International Visitors, and was one of the organizers of the International Students' Association of Greater Boston.

Earl D. McKay, '15, on Sept. 18, 1980, in Wheeling, W.V. He was retired chief industrial engineer and vice president in charge of industrial relations for Wheeling Steel Corp. He was a trustee with Oglebay Institute, chapter chairman of the Red Cross, board member of the Wheeling Symphony Association, and fund chairman for the Wheeling Community Fund.

Olga Lakela, '18, in Clearwater, Fla.

Carl E. Lebeck, '20, on Oct. 25, 1980, in Minneapolis. A retired civil engineer, he had been self employed with Lebeck & Co. since the early 1950's.

Frances M. Lucier, '21, on Oct. 29, 1980.

George R. Bailey, '22, on July 17, 1980, in Vero Beach, Fla.

Leonard A. Sarvela Sr., '22, in Duluth.

John J. Schlenk, '23, on April 28, 1980, in St. Paul.

Edward Broassard, '23, on Aug. 4, 1980, in Seattle.

Annette Turngren, '24, on May 14, 1980, in St. Louis Park. She had lived in New York City for 34 years and worked in the editing department of several magazines and was a proof-reader for the *New York Times* for 20 years. She was the author of numerous articles and 15 published books.

Herbert J. Benson, '25, on Nov. 23, 1980, in Orlando, Fla.

Fern (Snure) Williams, '26, in Mankato.

Eileen (Kyle) Marshall, '27, on March 5, 1980, in St. Paul.

Robert B. Gillespie, '28, on Aug. 20, 1980, in Cambridge, Minn.

Helen (Chase) Sullivan, '28, on July 30, 1980, in St. Paul.

Marton M. (Poole) Benson, '30, on Aug. 25, 1980, in Russellville, Ark.

Sidney J. Kaplan, '31, in Minneapolis.

Stanley L. Johnson, '34, on Oct. 7, 1980, in Lanesboro, Minn.

Mary A. Sweeney, '37, on Feb. 9, 1980, in St. Paul.

Lucien O. Thompson, '38, on Oct. 17, 1980, in Midland, Texas.

Joseph W. Coombs, '40, on Aug. 6, 1980, in Louisville, Ky.

Magdalen E. Heim, '40, in St. Paul.

Dr. Robert Hugh Monahan, '40, on Nov. 30, 1980, in St. Paul. He headed a Private Practice Group in St. Paul, and was a clinical professor at the University of Minnesota Medical School, Minneapolis, where he also headed the eye pathology laboratory. He also was chief of the ophthalmology department at St. Paul Ramsey Medical Center. He was active in local, regional and national professional organizations, served on committees and councils dealing with ophthalmology, and was a member of the Minnesota Society for the Prevention of Blindness. He helped organize Free Eye Clinics locally and in 1968 served as a volunteer physician in Viet Nam-Cam Tho.

Marcella (Rigler) Cohn, '41, on Sept. 5, 1980, in Chevy Chase, Md.

Alta C. Walls, '41, in March 1980, in Pacific Grove, Calif.

Elizabeth Bird Zumwinkle, '44, '47, on Dec. 24, 1980, in Lexington, Ky. She was the first woman student body president at the University of Minnesota, was the daughter of Dr. Charles Bird, professor of psychology, and was president of Chi Omega. She was a psychiatric social worker in Minneapolis and St. Cloud, served as president of the St. Cloud League of Women Voters, served on the board for the Florence Crittenton Home, and was president of the Woman's Club at the University of Kentucky, where her husband, Dr. Robert G. Zumwinkle, is vice president for student affairs.

Milton D. Jacobson, '51, on Sept. 28, 1980, in Charlottesville, Va. He was professor of educational research at the University of Virginia, Charlottesville, and president of J&F Inc. One of the first to adapt readability formulas to computer technology, he worked with most of the major textbook publishers in the United States to insure that their books could be read and understood by the students for whom they were written. His method of language simplification was applied to chemistry and mathematics texts, government publications, textbooks, and was being adapted for bilingual use. He received three National Science Foundation Post-Doctoral Fellowships and served as a Fellow of the National Council on Research in English. He was the au-

thor of more than 50 articles, several books, and served on the board of editors for the *Journal of Educational and Psychological Measurement*.

Donald A. Erdmann, '52, on July 2, 1980, in Tonawanda, N.Y. He was a chemical engineer for APV Company Inc., and served as a deacon at the University Presbyterian Church, treasurer of the Western New York section of the American Institute of Chemical Engineers, and was a committee member with the Boy Scouts of America.

Erwin M. Goldstein, '52, on Nov. 16, 1980, in Minneapolis. He was managing partner in the Minneapolis law firm of Faegre and Benson and had served 15 years on the executive committee of the board of directors of the Tyrone Guthrie Theater. He also was a director of the Courage Center Foundation and the James Ford Bell Library Fellows.

Lots E. Hallanger, faculty, on Nov. 25, 1980, in Minneapolis. She was a retired research chemist in the biochemistry department of the University of Minnesota, St. Paul.

Ernestine C. Donaldson, faculty, on Nov. 18, 1980, in St. Paul. She taught at the University of Minnesota, Minneapolis, from 1928 until her retirement in 1965 as associate professor in the school of business administration. She was founder of Phi Delta, the honorary professional sorority for women business administration students and helped establish the National Secretaries Association in Minnesota. She was also involved with the American Association of University Women, Daughters of the American Revolution, Order of Eastern Star, and the Records Management Association.

John VanVleck, former student, on Oct. 27, 1980, in Boston. He was Hollis professor emeritus of mathematics and natural philosophy at Harvard University, Cambridge, Mass. and co-winner of the 1977 Nobel Prize in physics.

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October 1980

Cevey, Arthene H., '40 GC, Annandale, Va.
 Collins, Leslie W., '52 PHARM, Minneapolis
 Crema, Louise J., '29 ED, Nashwauk, Minn.
 Fernandez, Rafael F., '64 GRAD, Minneapolis
 Fisher, Carol S., '65 NURS, San Diego
 Florine, Jane L., '75 CLA, Argentina
 Florine, Karl J., '74 CLA, Madison Lake, Minn.
 Fulton, Wallace C., '47 CLA, Stamford, Conn.
 Fulton, Mrs. (Wallace), Barbara A., '49 CLA, Stamford, Conn.
 Gallagher, Vernon D. Jr., '54 BUS, Bloomington, Ill.
 Gerdt, Lyle R., '65 IT, Americus, Ga.
 Gilbertson, Glen, Bloomington
 Gilbertson, Mrs. (Glen), Irvyn Gayle, Bloomington
 Green, Robert I., '75 BUS, Elko, Minn.
 Heath, Helen, '34 ED, Wells, Minn.
 Heinz, June P., '56 GC, College Park, Md.
 Holm, Peter M., '60 DENT, St. Paul
 Johnson, Donald W., '51 DENT, Minneapolis
 Johnson, Mrs. (Donald W.) Barbara J., Minneapolis
 Kernkamp, Emily E., '56 ED, LaGrange Park, Ill.
 Knuth, Douglas J., '78 AG, Denmark, Wis.
 Koehnen, Kimberly J., '79 ED, Plymouth, Minn.
 Kryzer, Thomas C., '51 IT, Billings, Mont.
 Leslie, Loren R., '58 MED, Peoria, Ill.
 Lilly, Audrey R., '71 CLA, Minot, N.D.
 Linner, David P., '77 IT, Minneapolis
 Lorberbaum, Dr. Stuart D., '78 DENT, Minneapolis
 Nichols, Stephen K., '78 CLA, St. Paul
 Norman, Mrs. Perry C., '74 PH, Kerrville, Texas
 Ochocki, Robert P., '64 PHARM, Riverside, Calif.

Ochocki, Mrs. (Robert P.) Sharon S., '64 BUS, Riverside, Calif.
 Ochsner, Dr. John A., '60 MED, Sioux Falls, S.D.
 Ochsner, Mrs. (John A.) Mary MacLean, '59 CLA, Sioux Falls, S.D.
 Olsen, Dean Alan, '80 GRAD, St. Paul
 Orndorf, Edward, St. Paul
 Orndorf, Mrs. (Edward J.) Barbara Ann Dougherty, '66 CLA, St. Paul
 Pang, Robert K. K., '61 IT, Honolulu, Hawaii
 Parker, Leonard S., '48 IT, Hopkins
 Parker, Mrs. (Leonard S.) Betty Mae, Hopkins
 Patten, John M., '72 PH, Albuquerque, N.M.
 Pawek, Hugo J., '30 FOR, Eutawville, S.C.
 Peterson, Vernon R., '40 IT, Sun City, Ariz.
 Pierce, Alan R., '70 CLA, Minneapolis
 Pierce, Mrs. (Alan R.) Linda V., '72 GRAD, Minneapolis
 Qualle, Eugene L., '49 MORSC, Minneapolis
 Richie, Harold B., '28 GRAD, Winamac, Ind.
 Richie, Mrs. (Harold B.) Lucilla M., '29 ED, Winamac, Ind.
 Ruh, Richard A. Jr., '76 IT, Rock Springs, Wyo.
 Sanford, T. Denny, '58 CLA, Wayzata
 Sanford, Mrs. (T. Denny) Anne H., Wayzata
 Thelander, Hulda E., '24 MED, Tiburon, Calif.
 Van Vliet, Willem F., St. Paul
 Van Vliet, Mrs. (Willem F.) Grace C., St. Paul

Bengston, Leroy A., '59 BUS, Denver
 Berger, Kenneth John, '78 BUS, New Hope
 Berger, Mrs. (Kenneth J.) Sandra Jean, '78 BUS, New Hope
 Berkseth, Robert O., Golden Valley
 Berkseth, Mrs. (Robert O.) Janet K., '73 GRAD, Golden Valley
 Bersie, Robert David, '69 BUS, Wayzata
 Bersie, Mrs. (Robert David) Jane Frances Smolak, '70 CLA, Wayzata
 Bocchi, Quinto M., '51 IT, Minneapolis
 Boeder, Bruce Arthur, '76 CLA, '76 LAW, Minneapolis
 Boeder, Mrs. (Bruce Arthur) Christie Ann Knutson, Minneapolis
 Boge, Raymond J., '68 PH, Lacrosse, Wis.
 Boge, Mrs. (Raymond J.) Patricia Ann, Lacrosse, Wis.
 Bonhus, John S., Sun City, Ariz.
 Bonhus, Mrs. (John S.) Charlotte M., '33 NURSING, Sun City, Ariz.
 Brattolf, Brian D., '76 GRAD, S. Charleston, W.Va.
 Bruzek, Dr. David B., '77 DENT, Hutchinson, Minn.
 Burnham, Duane L., '63 BUS, Northbrook, Ill.
 Bursch, William G., '59 AG, Minnetonka
 Bursch, Mrs. (William G.) Ann M., '58 HE, Minnetonka
 Buttle, Melanie J. M., '75 Home Ec, Houston
 Buzzell, Michael John, '77 BUS, Richfield
 Canning, Charles T., '74 BUS, Hendrum, Minn.
 Carlson, John H., '73 VET M, Cedarburg, Wis.
 Casey, Thomas F., '63 CLA, Dallas
 Christensen, David E., '68 LAW, Pipestone, Minn.
 Christensen, Mrs. (David E.) Joan M., Pipestone, Minn.

INSTALLMENT LIFE MEMBERS

October 1980

Anderson, Dorothy H., '76 GRAD, Falcon Heights
 Baker, Evelyn L., '28 NURS, Great Falls, Mont.
 Berg, Lois R., '48 ED, Glendora, Calif.

Christensen, Neil R., '73 AG, Hector, Minn.
 Clancy, Edward J. Jr., '69 CLA, Holyoke, Mass.
 Cooper, Lucille I., '77 GRAD, Minneapolis
 Curme, Alison G., '79 AG, Melrose, Minn.
 Cuthbertson, Carole J., '71 CLA, Solon, Ohio
 Daharsh, Marla J., '74 CLA, St. Paul
 Daly, Richard P., '50 BUS, Burnsville
 Daly, Mrs. (Richard P.) Marguerite A.
 Kampmeyer, Burnsville
 Davenport, Larry R., '73 CLA, Plymouth
 Davis, Richard L., '56 MED, Hillsborough, Calif.
 Devitt, Sherman, '49 BUS, St. Paul
 Devitt, Mrs. (Sherman) Lois T., '51 CLA, St. Paul
 Dow, Harvey Odgen, '40 CLA, Edina
 Dow, Mrs. (Harvey Odgen) Grace M., Edina
 Druker, Susan K., '79 GRAD, St. Louis Park
 Duggan, Richard T., '75 UCOL, Elk River
 Duncan, Jean P., '80 GRAD, St. Paul
 Elander, Joan Fuller, '70 CLA, Hopkins
 Elleraas, Steven E., '73 CLA, Cedar, Minn.
 Elleraas, Mrs. (Steven E.) Mary L., '73 CLA,
 Cedar, Minn.
 Erlanson, David E., '80 IT, Eagan
 Fahning, Melvyn L., '64 VET M, Hudson, Wis.
 Fleckenstein, Alfred C., '67 BUS, Portland, Ore.
 Forss, Fred W., Minneapolis
 Forss, Mrs. (Fred W.) Marlene C., '79 HEC,
 Minneapolis
 Fossum, Richard A., '48 BUS, Helena, Mont.
 Furton, Marie A., '75 BUS, Falcon Heights
 Garrett, Floyd R., '67 VET M, Corpus Christi,
 Texas
 Garrett, Mrs. (Floyd R.) Gretchen R., '63 GC,
 Corpus Christi, Texas
 Gauss, Gordon B., '74 BUS, Shoreview
 Gentling, Dr. Kirk P., '70 DENT, Rochester
 George, Christine L., '60 ED, Minneapolis
 Goldblatt, Lester S., '50 BUS, St. Louis Park
 Goldstein, L. Steven, '73 CLA, Minneapolis
 Goldstein, Mrs. (L. Steven) Mary Swain, '72
 CLA, Minneapolis
 Gorey, Thomas C., '68 CLA, El Centro, Calif.
 Gottstein, Leland E., '46 BUS, St. Louis Park
 Gottstein, Mrs. Leland E., '45 GC, St. Louis Park
 Hanzal, Brian R., '79 GRAD, Brooklyn Park
 Helse, Paul V. R., Winona, Minn.
 Helse, Mrs. (Paul V. R.) Lorraine G., '42 CLA,
 Winona, Minn.
 Hobbs, James E., '69 CLA, Winona, Minn.
 Hobbs, Robert J., '71 CLA, Winona, Minn.
 Hovde, Phillip C., '63 BUS, Woodbury
 Hovde, Mrs. (Phillip C.) Kathleen J., '70 ED,
 Woodbury
 Huddle, George P., '65 GC, Eagan
 Huddle, Mrs. (George P.) Barbara Jean, Eagan
 Jarvis, Mark W., '78 IT, Westland, Mich.
 Johnson, Charles L., '66 MED, Butte, Mont.
 Johnson, Howard C., '49 BUS, Edina
 Kallberg, William C., '60 IT, Bloomington
 Kallberg, Mrs. (William C.) Elizabeth C.,
 Bloomington
 Kelly, James F., Minneapolis
 Kenefick, Peter E., '78 BUS, Edina
 Kenefick, Mrs. (Peter E.) Ruth D., '78 CLA,
 Edina
 Klouda, George E., '49 BUS, Minneapolis
 Kraft, Mark E., '79 BUS, St. Louis Park
 Kylo, Kellan, '75 AG, Nerstrand, Minn.
 Lampl, Lauren R., '67 DENT, Grand Rapids,
 Minn.
 Lampl, Mrs. (Lauren R.) Roberta M., '66 ED,
 Grand Rapids, Minn.
 Lampson, Suzanne D., '78 CLA, Minneapolis
 Lane, Stephen S., '80 MED, Minneapolis
 Larson, Richard Lee, '68 GRAD, Wayzata
 Larson, Mrs. (Richard L.) Ruth Lorraine, '64 ED,
 Wayzata
 Law, Loren L., '65 BUS, Edina
 Leach, Peter J., '61 CLA, Dennison, Minn.
 Lent, Larold E., '77 IT, Syracuse, N.Y.
 Lerfeld, Dr. Robert A., '76 GRAD, Maple Grove
 Medwig, Thomas M., '63 BUS, Pittsburgh
 Melzer, James S., '77 AG, St. Paul
 Miller, William J., '50 IT, Richfield
 Miller, Mrs. (William J.) Ruth M., '47 NURS,
 Richfield
 Nelson, Dennis G., '63 GRAD, St. Paul
 Nelson, Mrs. (Dennis G.) Kay E., '59 DENTHY,
 St. Paul
 Ng, John H., '77 GRAD, Brooklyn, N.Y.
 Nielsen, Steven J., '71 DENT, Golden Valley

Nyberg, Roger A., '59 IT, Minneapolis
 Nyberg, Mrs. (Roger A.) Barbara J., '54 CLA,
 Minneapolis
 Palarski, John Donald, '78 AG, Shoreview
 Pelletter, Gary M., '77 BUS, Apple Valley
 Peterson, Thomas L., Palo Alto, Calif.
 Peterson, Mrs. (Thomas L.) Anne W., '71 CLA,
 Palo Alto, Calif.
 Phillippi, Diane Marie, '68 CLA, St. Paul
 Pogemiller, Thomas A., '74 BUS, Burnsville
 Rano, Richard J., '60 ED, Westerville, Ohio
 Riley, Pamela C., '75 CLA, St. Paul
 Ringrose, Donald William, '64 GRAD, Roseville
 Ringrose, Mrs. (Donald William) LueVonne
 Darlene Doebler, '61 ED, Roseville
 Rosdahl, Dr. Gerald A., '56 DENT, Minneapolis
 Rotenberg, Robert J., '52 MED, Minneapolis
 Sadlack, Hans E., '59 CLA, Burnsville
 Sandberg, Bruce A., '79 IT, New Brighton
 Sampson, Thomas J., '77 BUS, Minneapolis
 Sawyer, Katharine K., '73 HE, St. Paul
 Schneeweis, E. Joseph Jr., '73 DENT, Duluth
 Sorensen, Major Wayne B., '65 BUS, Ft. S.,
 Houston
 Standing, Charles N., '70 IT, Minneapolis
 Standing, Mrs. (Charles N.) Kathleen B., '66
 MEDTC, Minneapolis
 Stein, Robert A., '70 CLA, Excelsior
 Stein, Mrs. (Robert A.) Ellyn J. Wolfenson, '77
 CLA, Excelsior
 Swanson, Louise H., '76 HE, New York
 Tinker, Gordon E., '54 IT, Houston
 Tinker, Mrs. (Gordon E.) Elaine M., '55 ED,
 Houston
 Trittough, Wayne D., '74 LAW, St. Louis Park
 Vesco, Fred L., '69 LAW, Burnsville
 Victorino, Joyce E., '51 HE, North Hollywood,
 Calif.
 Wangaard, Arthur C. Jr., '52 LAW, Minneapolis
 Watson, Thomas Neil Jr., '68 BUS, St. Paul
 Watson, Mrs. (Thomas Neil Jr.) Jane Ann
 Fritsche, '68 NURS, St. Paul
 Wherley, Dr. Daniel J., '77 DENT, Denver
 Wherley, Dr. Daniel J., '77 DENT, Denver
 Wilson, Bruce Brandon, '78 IT, Minneapolis
 Winters, Ken C., Setauket, N.Y.
 Winters, Mrs. (Ken C.) Mary K., '77 ED,
 Setauket, N.Y.
 Workman, Ronald D., '72 MED, Fresno, Calif.
 Wolff, Dr. Steven J., '73 DENT, Stillwater
 Wolff, Mrs. (Steven J.) Ann, Stillwater
 Wyman, Greg A., Minneapolis
 York-Erwin, Ralph S., '76 GRAD, Oak Park, Ill.
 York-Erwin, Mrs. (Ralph S.) Nancy, '76 GRAD,
 Oak Park, Ill.

FULL LIFE MEMBERS

November 1980

Backlin, Helen M., '44 CLA, Sherman Oaks,
 Calif.
 Brodte, Walter D., '13 MED, St. Paul
 Batchelder, Dr. Albert C., '53 VET M, Faribault,
 Minn.
 Bellar, Mary E., '47 NURS, Aurora, Colo.
 Flook, Margaret H., '53 NURS, Aurora, Colo.
 Gilbertson, Ward, '55 VET M, E. Grand Forks,
 Minn.
 Gilbertson, Mrs. (Ward) Carolyn Schultz, '55
 HE, E. Grand Forks, Minn.
 Harrison, Thomas M., '68 DENT, Anoka
 Helm, Katherine, '22 CLA, Topeka, Kan.
 Helmstetter, Dr. Richard J., '79 DENT, New
 Ulm, Minn.
 Hinderman, Winfred L., '37 IT, Stillwater
 Holmes, James S., '69 LAW, Bloomington
 Holmes, Mrs. (James S.) Katherine M., '79
 MEDTC, Bloomington
 Liu, Dr. Sie T., '67 IT, Bloomington
 Lockman, Wilbur J., '52 IT, Monterey Park,
 Calif.
 Mack, Dr. Marjorie A., '67 MED, Aurora, Colo.
 Magnusson, Dr. Dale A., '75 VET M, River Falls,
 Wis.
 Magnusson, Mrs. (Dale A.) Diane K., River Falls,
 Wis.
 Olson, Ruth T., '46 HE, Minneapolis
 Ostrand, Gary G., '64 IT, St. Paul
 Ostrand, Mrs. (Gary G.) Karin, '74 Ed, St. Paul

Otten, Ronald Lee, '79 AG, Plainfield, Ill.
 Otten, Mrs. (Ronald Lee) Susan K. Rechtzigel,
 '78 HE, Plainfield, Ill.
 Owen, Dr. Willis L., '69 IT, Oklahoma City
 Quamme, Brian J., '78 DENT, Wahpeton, N.D.
 Quamme, Mrs. (Brian J.) Joann L., Wahpeton,
 N.D.
 Robinson, Dean Riley, '49 PHARM, Naperville,
 Ill.
 Rosell, Dr. C. J., '51 VET M, Stillwater
 Samet, Charles Merle, '53 MED, Manhasset,
 N.Y.
 Spear, Robert Upham, '54 DENT, Edina
 Teeter, Ruth Bridges, '72 GRAD, St. Paul
 Thomas, Dr. B. O. A., '35 DENT, Palo Alto,
 Calif.
 Thomas, Mrs. (B. O. A.) Susan M., '32 ED, Palo
 Alto, Calif.
 West, Peter J., '69 CLA, Slinger, Wis.
 Zeller, Nicholas H., '45 MED, Mesa, Ariz.

INSTALLMENT LIFE MEMBERS

November 1980

Adams, Duane Ernest, '70 ED, Blaine
 Anderson, Cornell J., '72 GRAD, Minnetonka
 Arnold, Neil I., '66 MED, Mendota Heights
 Arnold, Mrs. (Neil I.) Naomi, '60 ED, Mendota
 Heights
 Backlund, Gilbert J., '75 CLA, Mammoth Cave,
 Ky.
 Baer, Alvin L. II, '78 DENT, Sioux Falls, S.D.
 Ballsrud, Richard E., '74 GRAD, St. Paul
 Bart, Thomas A., '72 CLA, Minneapolis
 Bleise, Victoria L., '73 CLA, Minneapolis
 Bloomquist, Karna J., '79 CLA, St. Paul
 Bolton, Marjorie C., '75 GRAD, Temple, Texas
 Born, Roger L., '56 IT, Monterey, Calif.
 Brown, Charles W., '54 VET M, Sauk Centre,
 Minn.
 Canfield, Michael E., '54 CLA, Anaheim, Calif.
 Carlson, Thomas P., '78 GRAD, Walnut Creek,
 Calif.
 Christenson, Leroy P., St. Paul
 Chan, Patrick H. T., '73 PHARM, Emeryville,
 Ontario, Canada
 Christenson, Mrs. (Leroy P.) Audrey L., St. Paul
 Crawford, Robert W., '36 BUS, Erie, Pa.
 Dawson, Virginia L., '66 ED, Minneapolis
 Dewes, Edward H., '54 IT, Indianapolis, Ind.
 Dewes, Mrs. (Edward H.) Cynthia M., '54 CLA,
 Indianapolis, Ind.
 Defour, Gerald H., '78 GRAD, Forest Lake
 Eastell, Cyril Paul, '78 NURS, Minneapolis
 Farrell, Renee K., '75 CLA, Marshall, Minn.
 Ford, Rosalind, '75 GRAD, Villa Park, Ill.
 Forkey, Michael W., '80 IT, Brigham City, Utah
 Frey, Michael James, '79 BUS, Memphis, Tenn.
 Frey, Mrs. (Michael James) Karen Belden, '79
 BUS, Memphis, Tenn.
 Frydenlund, Conrad Bernard, '52 MED, San
 Diego
 Frydenlund, Mrs. (Conrad Bernard) Helen, San
 Diego
 Gall, Bruce J., '62 ED, Maple Grove
 Goss, Noel H., '50 AG, Austin, Minn.
 Granting, Harold M., '27 MED, Severna Park,
 Md.
 Granting, Mrs. (Herold M.) Thelma F., Severna
 Park, Md.
 Halvorson, Ronald Dean, '79 MEDTC, Fridley
 Halvorson, Mrs. (Ronald) Jean S., '79 MEDTC,
 Fridley
 Hanson, Paul A., Minneapolis
 Hanson, Mrs. (Paul A.) Delores V., '51 HE,
 Minneapolis
 Hartfiel, Helen C., '78 CLA, Wayzata
 Hawthorne, Sylvia Corrine, '80 CLA, Wayzata
 Headley, Jane W., '45 CLA, Berkeley, Calif.
 Hodgdon, Jane A., '78 GRAD, San Francisco
 Hoopes, Margaret H., '69 ED, Provo, Utah
 Hoyt, Willis A., '79 IT, Grand Rapids, Minn.
 Johnson, Gordon P., '68 ED, Flagstaff, Az.
 Johnson, Keith, '67 CLA, Hartford, Conn.
 Kanne, Miles F., '51 IT, Bloomington, Ind.
 Kenyon, Dr. Thomas J., '40 MED, St. Paul
 Kenyon, Mrs. (Thomas J.) Anne, '35 BUS, St.
 Paul
 Kirby, Conrad F., '67 IT, Joliet, Ill.

Kuemmerle, Karen L., '79 HE, Farmington Hills, Mich.

Lindsay, Helen E., '68 IT, Wayzata

McKenna, Peter J. Jr., '54 GRAD, Minneapolis

McKenna, Mrs. (Peter J. Jr.) Mary E., '46 NURS, Minneapolis

Messinger, William F., '70 LAW, Minneapolis

Miklas, Lucia M., '78 BUS, Minneapolis

Miller, Carlton Cox, '65 IT, Elkhart, Ind.

Miller, Mrs. (Carlton Cox) Cynthia Ann Risch, '63 ED, Elkhart, Ind.

Moore, L. Patrick, '29 IT, New London, NH

Murphy, James S., '68 GRAD, Eden Prairie

Myers, Miller F., '53 LAW, Tonka Bay

Myers, Mrs. (Miller F.) Janet Rylander, '50 ED, Tonka Bay

Ohman, James C., '80 IT, Minneapolis

Peterson, Bradley C., '71 CLA, Minneapolis

Frank, James B., '64 IT, Torrance, Calif.

Restemayer, Dr. Charles R., '77 DENT, Wheatland, Wyo.

Restemayer, Mrs. (Charles R.) Leslie M., '75 DENHY, Wheatland, Wyo.

Robbins, Orem O., '36 BUS, Edina

Robbins, Mrs. (Orem O.) Margaret J., Edina

Roth, Albert H., '62 MED, Deer River, Minn.

Rustad, James W., '72 GRAD, Minneapolis

Saucier, Stephen Richard, '79 BUS, Minneapolis

Saucier, Mrs. (Stephen Richard) Deborah A. Forness, Minneapolis

Scharf, Dr. William C., '77 GRAD, Traverse City, Mich.

Scott, Jerry B., '78 PH, Rapid City, SD

Stetzner, Larry C., '74 MED, Edina

Stetzner, Mrs. (Larry C.) Leah M., '77 LAW, Edina

Storm, Donald L., '68 DENT, Rice Lake, Wis.

Taplin, Judith A., '61 PT, Stillwater

Voxland, Melvin M., '37 GRAD, Rochester

Voxland, Mrs. (Melvin M.) Alice S., '27 ED, Rochester

Weimer, Mary K., '53 MEDTC, Minneapolis

Weiner, Bess, '28 PHARM, Los Angeles

Weingart, James Francis, '74 IT, Mankato, Minn.

Woolery, Elizabeth A., '51 CLA, San Mateo, Calif.

Zink, Floyd H., '59 DULUTH, Plantation, Fla.

Stark, Theodore E. Jr., Minneapolis

Werner, Dr. Frank D., '55 IT, Teton Village, Wyo.

INSTALLMENT LIFE MEMBERS

December 1980

Anderson, John T., '49 CLA, St. Paul

Asavasopon, Penchandra, '77 GRAD, Bangkok, Thailand

Bann, Cheryl L., '79 BUS, Bloomington

Benson, S. Bruce, '65 PHARM, St. Paul

Bodem, George B., '76 GRAD, Pittsford, NY

Cleveland, Curtis A., '69 CLA, Kalamazoo, Mich.

Cottam, Gloria Jean, '80 GRAD, Salt Lake City

Cox, Richard T., '50 IT, Minneapolis

Crane, Frank M., '48 AG, Ft. Dodge, Iowa

Crane, Mrs. (Frank M.) Audrey M. Kraus, '46 HE, Ft. Dodge, Iowa

Cumming, Denise F., '74 CLA, Mapleton, Minn.

Dady, Thomas J., '76 CLA, Minneapolis

Dahl, David C., '80 BUS, Stillwater

Dahl, Mrs. (David C.) Bonnie K., '67 CLA, Stillwater

Dodds, James T., '65 DENT, St. Paul

Dorset, Mrs. (Orville L. Weiszhaar), Dr. Barbara, '77 GRAD, Minneapolis

Drum, William F., Sacramento, Calif.

Drum, Mrs. (William F.) Carolyn, '35 CLA, Sacramento, Calif.

Eckman, Patrick D., '79 CLA, Berkeley, Calif.

Enzmann, Michael H., '67 IT, Blue Springs, Mo.

French, Dr. Donald B., '53 VET M, Chatfield, Minn.

Gangelhoff, Kenneth R., '60 BUS, Minneapolis

Gerber, Steven R., '73 GRAD, Minneapolis

Gosche, John M., '47 DENT, Minneapolis

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Those Earthy Sounds



BILL KEMPE sat there and dipped a bite of lutefisk in butter.

He'd never eaten in the Campus Club on the fourth floor of Coffman Memorial Union and he'd never eaten lutefisk.

But he does have a taste for music that is so far out it involves the planets.

He is a senior in music at the University of Minnesota and is a young composer.

Some of his 50 works are for large orchestras or chamber groups; one is for band; two are for solo piano; three are for men's chorus; and others are for mixed chorus, percussion ensembles, and electronic instruments.

"The entire world is an instrument waiting to be played," he said patting his lip with a large white linen napkin.

And on his 23rd birthday last fall the Mississippi Valley Chamber Orchestra premiered his latest work: a 15-minute movement entitled "Earth," which is part of a not-yet-finished three-hour work called "The Planets."

In addition to conventional instrumentation, "Earth" calls for one 40- and three 55-gallon oil drums; a set of roto-toms; a vibraphone; and a baritone.

"I was inspired to write 'The Planets' in an astronomy course I took while attending the University . . ."

It was in a course taught by Karlis Kaufmanis (see "The Fourth Wise Man," December 1980) that Bill became mildly interested in the work and theory of Johannes Kepler (1571-1630), a famed 17th century German astronomer whose three laws



established that the Earth is but a minor planet rather than the center of the universe.

What the young composer was really interested in, though, was Kepler's theory that planets emit musical sounds.

"After reading Kepler's 'De Harmonice Mundi' (Harmony of the Worlds), I found that Kepler discovered that the universe was assembled and ruled by the harmonies of the planets."

In that book Kepler wrote: "The earth sings mi-fa-mi, and from this you may infer misery and famin reign."

Bill says his composition has a passage that calls for a baritone soloist. The text is 'mi-fa-mi.' The music is based on the harmonies of the Earth (the minor second) and the moon (the perfect fourth)."

When finished, "The Planets," commissioned for the Mississippi Valley Chamber Orchestra by the Minnesota Composers Forum and the Jerome Foundation, will feature nine movements: Overture, Sun, Mercury, Venus, Earth, Mars, Jupiter, Saturn,

and a Postlude. (Bill is principle horn player in the Mississippi Valley group and has been with them since Edward Schlueter organized the orchestra.)

On the night of the premier, Bill sat in one of the pews at St. Stephens Lutheran Church in West St. Paul. The church is not far from his high school: Henry Sibley.

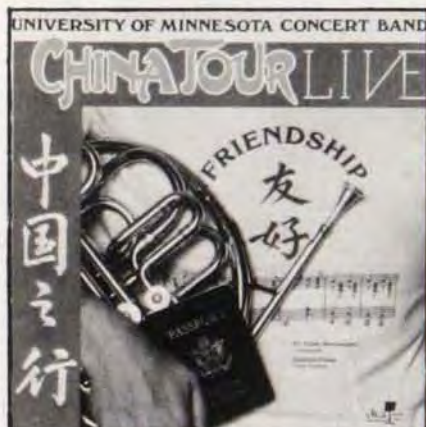
"I didn't have to play it that night," he said, "and when I'm not playing and just listening I could sit back and enjoy it."

The piece was played a week later at the Inver Hills Community College and Bill said the second performance was better than the first.

Sometimes Bill said he gets so inspired writing music that he works all night.

And when he finishes a piece and it is performed he is tremendously pleased.

"I am not doing it to get rich," said the composer whose works call for instruments like the chair he is sitting in, the spoon he is using, and the plate where the lutefisk once was.



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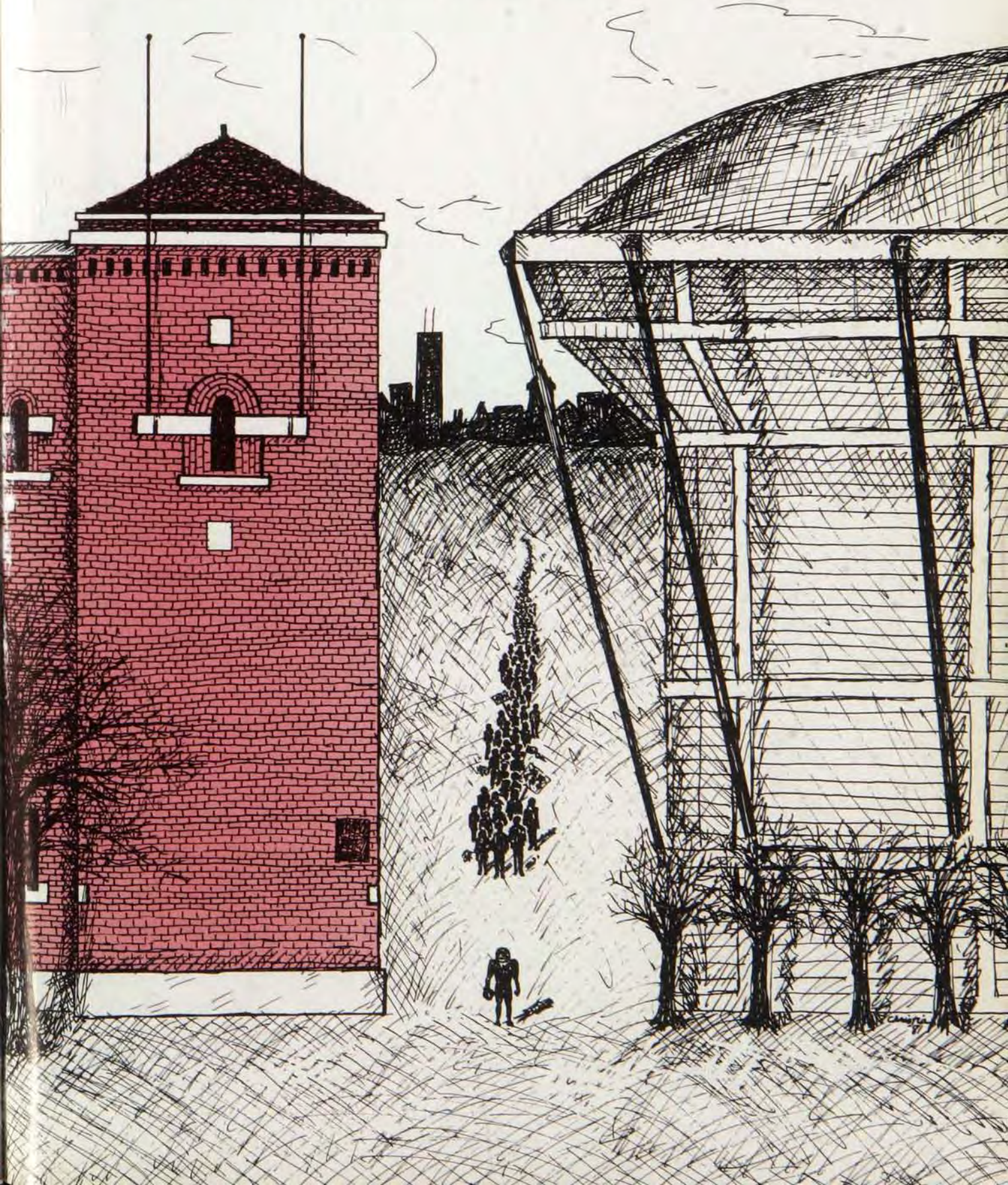
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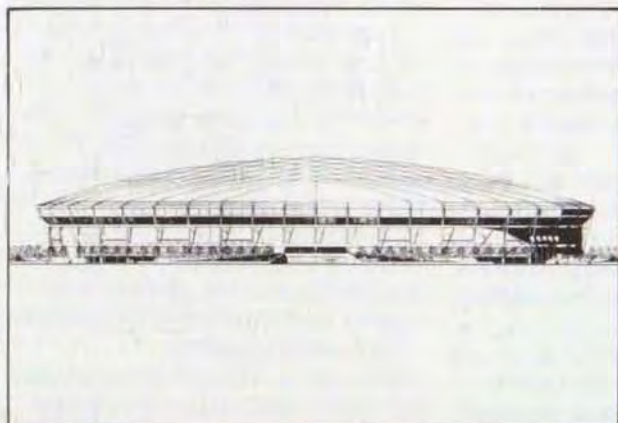


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First there was the earth-sheltered Williamson Hall; then the underground St. Paul Student Center; and now a new building for Civil and Mineral Engineering is becoming an architectural reality.

18 Big Nurse

by Paul Dienhart

She's been an actress, a campus activist, a Fulbright scholar, a working mother, and once founded a nursing school. Now Ellen Fahy is dean of the oldest nursing school in the country.



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Cover: Will the Gophers ever call the \$55-million, 65,000-seat Hubert H. Humphrey Metrodome under construction in downtown Minneapolis home? The answer to that question is not known. At least not now. In the meantime, the executive board of the Minnesota Alumni Association would appreciate hearing from alumni with regard to their opinions for or against the move. Art work by Christia Blomquist. **Inside Front Cover:** Every starter on Minnesota's undefeated 1900 team stood at least six feet tall and were called the "Giants of the North." Fans perched in the trees are overlooking Northrop Field. Photo: Minnesota Historical Society.

MINNESOTA

ISSN: 0164-9450

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Minnesota, April 1981, Number 6, is published monthly from September through June, except January and February, by the Minnesota Alumni Association, 100 Morrill Hall, 100 Church Street SE, Minneapolis, Minnesota 55455 (612-373-2466). Second-class postage paid at Minneapolis, Minnesota, and additional mailing offices. *Minnesota* is sent to dues paying members of the Minnesota Alumni Association. Member of the Council for Advancement and Support of Education. Postmaster: Send form 3579 to *Minnesota*, 100 Church Street SE, Minneapolis, Minnesota 55455. © by Minnesota Alumni Association. *Minnesota* is a continuation of *The Minnesota Alumni Weekly* founded in 1901.

AT THE "U"

Budget squeeze may hurt livestock producers

Reduced Services to Cost More

BUDGET CUTBACKS AT THE University of Minnesota could undermine control of disease outbreaks in livestock and force livestock producers to pay higher costs for reduced laboratory services.

That's the assessment of officials at the University's Veterinary Diagnostic Laboratories, which are required by state law to test animal herds for certain diseases.

The laboratories are understaffed, poorly equipped and "very shortly we will exhaust our funding," said Harold Kurtz, acting director of the laboratories, which are part of the College of Veterinary Medicine.

"We're really caught in a bind," he said. "We're broke and we've had to start charging for laboratory services that before February were provided by the state."

Without added state funding, Kurtz said, the laboratory will no longer be able to test for certain types of diseases. Budget deficiency will soon make the labs unable to respond should a sudden disease outbreak affect the state's \$3 billion livestock industry.

In 1979-80, the legislature allocated a special appropriation of \$701,000 to the laboratory to supplement operations. But a budget cut imposed on the University last fall by Gov. Al Quie resulted in a reduction of the diagnostic laboratories' funding by \$41,637.

Quie has not recommended to the legislature the University's request for another \$393,000 for the labs in fiscal 1980-82. Without that money, Kurtz says, an additional financial burden will fall on the shoulders of milk, pork and beef producers, and

surveillance of livestock diseases in the state will be compromised.

Last year the State Board of Animal Health, as part of a statewide effort to control livestock diseases, began requiring blood and feces sampling at state expense for three infectious diseases — anaplasmosis, pseudorabies (mad itch) and Johne's disease. The diseases can cause heavy loss to farm income if unchecked.

But the diagnostic laboratories, unable to conduct the tests on available funding, were forced to begin charging individual producers for diagnosis of diseases in their herds, Kurtz said.

Unofficial estimates indicate that if incidence of these three common diseases continues at current levels, livestock producers will pay more than \$10,000 this year in testing fees.



an amount previously paid by the state.

Dr. Robert Dunlop, dean of the College of Veterinary Medicine, said he has received several calls from veterinarians and farmers protesting the laboratory testing fees.

"If state government fails to give financial support, the only alternative we have is to increase the laboratory's revenue raising the fees still further," Dunlop explained. "But we fear we're reaching the limits of what the market will bear."

To offset their financial problems, the diagnostic laboratories have increased the charge to farmers for analysis of blood and feces samples by 40 percent during the past 12 months. For some services, such as cattle postmortem examinations, the increase was 250 percent.

At a recent convention of the Minnesota Veterinary Medical Association, president Robert Wescott of Elgin, Minn., said: "The diagnostic laboratories' services are necessary to help protect the health of food-producing animals." Without them the livestock industry, which accounts for more than 52 percent of the state's cash income to farmers, could lose millions of dollars, he said.

The diagnostic laboratories' financial troubles have been caused, in part, by a 300 percent increase in case load over the past two years, Dunlop said.

"We have no financial resources and nowhere to turn for additional financial help," he said. "The lab is inadequate to handle the rapidly growing case load." Dunlop feels that in addition to its current staff, the labs need a microbiologist, a virologist, a toxicologist, several more lab assistants and a full-time administrator.

Dunlop said the problems facing the labs extend beyond "just maintaining the operation we have" to "how could we react to a serious disease outbreak in the state?" *George E. Jordan.*

The World Between Wars

HITLER AND FASCISM . . . FREUD and his followers . . . the Great Depression . . . Communism . . . jazz, existentialism, Dada . . . Prohibition and the shadow of the atom bomb . . .

Minnesota magazine readers will again this year have the opportunity to enhance their understanding of how the world "got the way it is."

INTERPLAY '81 is the third of the University of Minnesota concentrated studies of recent history. For INTERPLAY'S three weeks, students of all ages will dig into cultural and social currents that prepared the United States for the 1980's. This year the emphasis will be on "The World Between the Wars," 1919 to 1939 — the Jazz Age, the Depression, the birth of the bomb, Freud, the rise of Fascism. One-week mini-courses on these and related topics, supported by selected plays, concerts and exhibits, will run each weekday

morning from June 15 to July 2. A student picks three courses from a group of nine.

"INTERPLAY has found out how to condense significant features of a period of history into its three weeks," Willard L. Thompson, Summer Session director, has explained. "We don't kid either our students or ourselves that they get everything on every subject — that's not our purpose. But the experience of INTERPLAY'S first two years, when we went from the Civil War to World War I, shows that this kind of approach is exciting and immensely stimulating."

Students in the program range in age from 16 to 82, from high school graduates to those with doctorates. Some take the program with college credit, some without. Senior citizens receive special consideration.

Information about registration can be obtained from 135 Johnston Hall, University of Minnesota, Minneapolis, Minn. 55455 (612) 373-2925. Formal registration will open in early June. *Mitchell V. Charnley*



A Star Will Govern

IT WAS ONLY A MATTER of time before a movie star became President.

Lary May ("Matriculation of a modern marriage," December 1980) could see it coming. "Movie stars and the motion picture industry have always had connections to politics," says May, an American studies professor at the University of Minnesota.

May's new book *Screening Out the Past* explores the early days of Hollywood and the rise of movie stars. As a student of the "star" phenomena, May watched Ronald Reagan's campaign with particular interest.

"What seems to have happened in the past ten years is that the connection between stars and politics is no longer hidden," he said. "George Murphy, song and dance man, becomes a senator from California. Jane Fonda and Vanessa Redgrave get involved in radical politics. Sammy Davis hugs Nixon. Willy Nelson endorses Carter. Ronald Reagan becomes President."

"Star quality" was made-to-order for politicians. "Carter lost the debate not because of his stance on the issues, but because he came across as cold, stiff and a President removed from the

people," May said. "Reagan just turned on his movie star personality and radiated friendliness and dignity. Throughout the campaign, Reagan drew heavily on his stardom. We wanted that style, and we got it."

In his book, May contends that movie stars are this country's aristocrats, but with a difference: they are perceived as being democratic. "One of the dominant myths in American life is that movie stars are really just folks," May said. "It's an idea movie stars tap for political advantage. 'We're just like you. We're not the guys making gas go up to \$1.50 a gallon.'"

May maintains that movie actors became stars because they showed moviegoers ways to react to problems. If they could show one person how to react to one problem, why not show a whole nation how to react to its problems?

Movie stars have been social leaders from the start of the movie industry — leaders in consumption. The nation looked on early film idols as "leisure experts," May writes in his book.

"Unlike the heroes of old," he writes, "male stars were not producers who helped build the society, but figures heavily oriented toward spending. Even the cowboy, the symbol of rugged American manhood, was not

immune. Tom Mix wore spangled Western gear and sat on a silver saddle."

During this century's early decades, America needed consumer heroes, May writes. A revolution in economics had given Americans more time for leisure. Between 1897 and 1930 the net national product more than tripled. In the early 1900s a number of intellectuals believed America's excess production would ruin the economy. "Hollywood helped show that consumption could be a positive force."

The old Victorian ethic that made work good in itself was twisted to mean "work for the money to buy the things that made a good life." Luxuries became necessities.

"There's a great wish on the part of the public for the consumer lifestyle to continue," May said. "That's one reason why Hollywood stars are emerging as political leaders. Ronald Reagan promises us release from restraint. Reagan — the man with the easy Palisades ranch home lifestyle, who is graceful about his wealth, who projects the freedom of the West — is telling us that the cutbacks of the '70s aren't necessary. Whether it's the 55 miles-an-hour speed limit, or oil exploration — he's for opening it up. He's still the consumer hero."

As leisure took on a more important role in American life, movies and their stars became more influential. May points to the recent film *Urban Cowboy*, which not only created a craze for mechanical bull riding and Western wear, but attempted to show how modern marriage works.

John Travolta plays a bumpkin who comes to the big city and gets a job where he's treated like an animal. To revive his self-esteem he spends his leisure hours riding the great mechanical bull at the local honky-tonk. His macho, off-work image attracts a wife. Then conflict! She won't keep house, she supports herself with a job and she even dares ride the



mechanical bull. They separate. She hooks up with a macho man prone to violence. He finds a sex bunny who doesn't know the meaning of love. Eventually the hero and the heroine learn their lesson and get back together.

It's a variation on a typical plot from a 1920s Cecil B. DeMille movie, *The Affairs of Anatol*, in which the husband leaves his wife for a fun "jazz baby," May said. Meanwhile his wife has shed her Victorian hangups and becomes beautiful and stylish. Anatol has reformed while she has revived. They remarry.

DeMille's message was that sex can make a marriage strong. "We are at the point where we're fully conscious that the DeMille solution is not adequate," May said. "*Urban Cowboy* says we're sexually emancipated, but now we're having problems of equality between husband and wife.

Women are divided on whether to play the traditional role of bolstering men's egos. That's what the movie *9 to 5* is about. The women in the office really run the show, but they're forced to play to the ego of the male boss."

The problems addressed by *Urban Cowboy* and *9 to 5* are political problems that run through the entire society. But politics has a difficult time finding solutions to these problems. "The movies offer personal solutions to public problems," May says.

In a day when solutions seem in terribly short supply, no wonder people are grateful when an actor works through a character's personal problems on a movie screen. It's not as simple as people assuming that if Ronald Reagan can handle the antics of an ape named Bonzo he can handle Leonid Brezhnev, May said, "but you can't underestimate that star quality. Woe to professional politicians if John Travolta should someday run for office."

Lary May's book, *Screening Out the Past. The Birth of Mass Culture and the Motion Picture Industry*, is published by Oxford University Press. Paul Dienhart.



Games People Crave

The young men knew some would not survive the long night ahead. Those short on cunning and courage would fall victim to the other-worldly creatures whose realm they were about to enter.

Perhaps their journey would lead to magic, werewolves and giants in Medieval Europe. Or perhaps they would do battle armed with lasers in some galaxy far, far away.

These young men, preparing for another seven-hour journey into the world of *Dungeons & Dragons*, *Metamorphosis Alpha*, or any of dozens of other fantasy games on the market, aren't mysterious creatures who venture out only in the dead of night. They are serious fantasy-game players, who gather to assume the roles of imaginary characters in imaginary places and pit themselves against each other.

In fantasy games, settings and characters are determined by game originators, but plots and actions are determined by the players' imagination or sometimes by the throw of the dice.

The majority of games are set

in Medieval Europe — *Dungeons & Dragons*, *Chivalry & Sorcery* and *Runequest* — or in science fiction worlds — *The Creature That Ate Sheboygan*, *Traveller* and *Gamma World*. But other settings are available. *Boot Hill* is set in the American West and *Empire of the Petal Throne* takes place in its creator's unique universe.

The general public's first encounter with the world of fantasy games came in 1979 when a young Michigan State University student was believed trapped in the steam tunnels under the campus. Newspaper accounts reported he had "talked of roaming the tunnels in a 'living' version of *Dungeons & Dragons*."

Gary Fine, associate professor of sociology at the University of Minnesota, says that "grotesque case" had little to do with *Dungeons & Dragons* and left an incorrect impression about fantasy games in the minds of the public.

Fine recently spent 18 months studying the people who play fantasy games. To gather his data, he participated in a Minneapolis group's Friday night sessions, interviewed game

players and studied rulebooks and magazines.

From his research, he has developed a profile of the "typical gamer," a person whose imagination takes him to distant times and places once or twice a week.

Chances are the person who spends seven or eight hours in one sitting slaying dragons or seeking out strange new worlds is an unmarried male in his late teens or early 20s. He is a student with a high opinion of his own intelligence and imagination. He is well-read in science fiction and history. He is a social non-conformist and proud of it.

The percentage of female game players is small. Fantasy magazine-readership surveys and attendance at gamers' conventions indicate that up to 90 percent of serious players are male.

Because the characters are predominantly male — knights in shining armor and starship commanders — there are very few central roles for females, Fine said. Also, he said, a network of male players has developed, making it hard for women to break into the subculture.

"A gamer over 35 years of age is rare," Fine said. Although readers of one game-players' magazine range in age from 12 to 47, the majority of gamers are in their late teens or early 20s. "Adolescents and young adults have free time, few social responsibilities and are relatively open to fantasy," Fine said.

Game players list marriage, full-time jobs and graduate school as reasons for giving up gaming, which indicates that free time is a necessity, Fine said.

"Players flatter themselves by claiming that they are more intelligent than the general population," Fine writes in his study. "By intelligence they mean education." One survey showed 23.2 percent of the respondents had completed more than 16 years of schooling. That figure is impressive since the median age of the group was about 20 years, Fine said.

These games are generally complex and require players to deal with, and sometimes create, unique worlds with alien social structures and physical laws. Becoming a character in a strange world requires a good deal more imagination than just walking through day-to-day life, Fine said.

"Gamers claim they reject American mass culture," Fine said. In his study he quotes a game player: "They're not your average car salesman . . . they're not the mainstream who get their interest out of football and television and Ann-Margaret."

"Their denial of the workaday world and mass entertainment leads others to perceive them as 'misfits,'" Fine said. But now as the popularity of fantasy games increases, more "average" people have become dabblers and only the "hard-core" players are considered "eccentric," Fine said.

The sinister image created by the Michigan State incident has done quite a bit to draw fantasy games into the mainstream — a fact purists disdain and realists relish, Fine said.

Game players list four benefits — education, escape from everyday life, personal effectiveness and control, and increased sociability — as justification for their time-consuming hobby, according to Fine's report.

Since extensive knowledge of a game setting — the American Old West in *Boot Hill* or 12th century France in *Chivalry & Sorcery* — is needed for effective game playing, gamers claim they benefit from the knowledge of other players.

Also, players claim, by taking on attributes of a character in a game, they develop acting ability and skills for decision-making and leadership. Escape from "mundane reality" and the release of hostility are the attraction for many, Fine said.

One player told Fine: "Relief from your frustrations is a big (value of gaming). It's a great way for me to release my tensions of everyday life . . . as a bookkeeper and clerk (in a drug store) I have

to put up with a lot of crap from a lot of customers and sometimes I feel like reaching over the counter and hitting them. However I'm not allowed to do that, so I usually take out these frustrations . . . on the battlefield (in a war game) or in a role playing. And I've noticed a lot of people do that. It's a lot less painful for both parties."

Another gamer told Fine he feels in control when pretending to be someone else. "I like being able to see how I can get out of this situation, how I can get myself into a situation, how I can work it out," a player said.

"Gaming is a means by which some science fiction fans feel that they can overcome their shyness — by adopting alternate personae," he said. "These personae have attributes that players often believe they lack, such as strength, social poise, rugged good looks, wisdom and chivalric skills."

"I tend to be a very shy person in real life: I tend to kind of keep my distance and try and look as inconspicuous as I can," a gamer told Fine. "(In game playing) it's just a complete reversal."

Pat Kaszuba





Brawl in the Family

WENDY SMITH WAS TAKEN TO a Twin Cities area hospital one cold morning in February for treatment of a broken nose she suffered in a fight with her husband the night before.

Fighting is common in the Smith family, but this was the first time it ended in serious injury. Robert, her husband of seven years, is a heavy drinker and small quarrels often send him into violent rages.

Despite the seriousness of her injury, Wendy did not report her husband to the police because his arrest would have cut off the Smith's only source of income.

Two weeks after her first trip to the hospital Wendy was back again — this time with a broken arm.

The Smith family is not real, but the situation they illustrate is being reported in increasing numbers to area police.

Family violence — fighting between spouses, abuse of children, incest, psychological abuse — is nothing new. For years communities have been aware of violence in private homes, often dismissing the incidents as "family business" or as something outside of community control.

But in recent years, police, community groups and religious leaders have begun mounting efforts to curb family violence and bring the issue "out of the closet" for public discussion.

"We've known that the problem of violence in families has existed, but we have not had an organized community intervention program," said Anita Brooks, University of Minnesota professor of Afro-American Studies, who specializes in family studies.

"I think people are beginning to talk about it. Communities are now organizing to solve the frustrations which are expressed as violence and anger," she said.

Minneapolis police estimate they responded to 7,200 incidents of family assault last year, a significant increase over the number of cases reported in previous years. "We still only see a small percentage of what actually happens in the community," said Lt. Carl Johnson, chief of the Minneapolis police family violence division.

Battered women do not report assaults to police or social service agencies for any number of reasons. Some do not want their assailant jailed, fearing retaliation for bringing authorities into the dispute, while others excuse violent outbursts as symptoms of chemical dependency.

"This problem cuts across all socio-economic and cultural lines," said Judith Johnson, director of the Hennepin County Attorney's citizen dispute settlement unit.

"Women until recently have not been reporting these incidents," she said. "Now they are coming forth and reporting assaults. They are not feeling as fearful or isolated as before."

The citizen dispute settlement unit is a "diversion program" aimed at keeping family violence cases out of court. "We try to allow both parties to work out their own solutions to the problem," Johnson said.

Assaults most often go unreported in minority-group families, she said, because victims are unsure of how the assailant will be treated by police. "Most have had bad experiences with police officers," Johnson said. "They're not sure how police

are going to react to walking into a minority family situation.

"By the time these women get downtown to report assaults they're really had it. They finally choose the lesser of two evils," she said.

Pearl Barner, a University of Minnesota graduate student who has worked with black families in the Twin Cities area, said that concern over family violence and battered women is an outgrowth of the women's movement.

In the early 1970s, shelters for battered women began sprouting up in communities across the nation as places for abused women to turn for help. "But these shelters found that various women wanted to return to their relationships," he said.

"Some of these women find themselves saying 'Not only am I economically disadvantaged but I love the guy too,'" Barner explained. "So more attention has been given to men in violent relationships recently."

Counseling programs for men in violent relationships are relatively new and few studies on the subject have appeared in published literature.

Based on his experience with violent families, Barner says men who assault members of their households are characterized by "feelings of inadequacy, masculinity conflicts about control and power, a disassociation from people and society, and a low tolerance for frustration."

Men who assault their family members are expressing "displaced anger," venting frustrations caused by society, job or sexual dysfunctions. Some of these men vent their anger shortly after something goes against their wishes while others let their anger build for several weeks before exploding.

"The most important things to teach these men are basic anger management skills so they can communicate their feelings through nonviolent means," he said. "The man is a victim as much as the battered woman."

George Jordan

Alumni response can help answer the question . . .

Will the Gophers Ever Call the Dome Home?

by Chuck Benda

ASOLITARY RUNNER mounts the concrete risers of Memorial Stadium, sweating in the spring sunshine. He counts each step — 48, 49, 50 — to pace himself as he climbs to the top, turns, and comes down.

The grass on the slightly mounded playing field is brown. The seating in the stadium — row upon row of weather-beaten redwood plank benches — is almost indistinguishable from the drab gray of the footworn concrete steps.

"I don't know if I'm supposed to be in here or not," the runner says. "But the doors were open. I have to run someplace. I prefer the solitude of the stadium."

For thousands of Gopher fans who have spent many autumn Saturday afternoons in Memorial Stadium, shoulder to shoulder with 50,000 other cheering, peanut-munching, foot-stomping fans, it is hard to imagine the Brick House as a place of solitude. But beyond the small handful of Saturdays each autumn when the Gophers play at home, the Brick House is a place of relative solitude in the midst of an active campus.

Beneath the surface — the seats are situated on what is actually the roof of thousands of square feet of office space, laboratories, handball courts, and storage areas — life goes on year round. But the stadium itself is deserted more often than not.

All's quiet in the Brick House.

At the construction site of the Hubert H. Humphrey Metrodome in downtown Minneapolis, less than two miles away from Memorial Stadium, silence is an unwanted stranger. Noise means progress, and progress is the password. Construction crews fill the air with an earful of sounds unlikely to evoke nostalgic reflections. Tradition is yet to be born.

The glistening white concrete ribs of the growing Metrodome rise out of the oval-shaped foundations like the by-stakes of an unfinished basket, their serrated edges awaiting additional tiers to fill in the border. The new stadium will be finished and ready for action sometime in 1982.

The University of Minnesota Board of Regents is considering the possibility of the Gopher football team playing its home games in the new stadium. If the plan is approved, the first game of the 1982 season could be played in the Metrodome, marking the end of more than half a century of football tradition, and the beginning of a new era in Gopher sports.

Although the local press at times has treated the possible move to the new stadium as a foregone conclusion, University President C. Peter Magrath and the Board of Regents maintain that that is not the case at all. A bird's nest of complicating factors has kept the regents busy sorting the possible advantages and disadvantages for the University and will prevent their reaching a decision before this summer. In the meantime, the warring factions carry on their verbal assaults.

Proponents of the move — led by Paul Giel, athletic director and Joe Salem, head football coach — believe that moving to the Metrodome will revitalize a seriously troubled athletic program. Football traditionally has been one of the major revenue sources for the athletic department. In recent years, attendance at home football games has fallen off, partially due to the influx of professional football, and partially because Gopher football teams



GLENN OSMUNDSON, MINNESOTA DAILY

Freshman John Kromer works out at Memorial Stadium.



Assuming that a contract was signed, it wouldn't be until 1982 when the Gophers would open their season in the new metrodome.

of recent seasons have done little to generate the kind of enthusiasm needed to pack the fans into Memorial Stadium. The resultant decrease in revenues in a time of runaway inflation has severely strained the department's budget.

Those against moving, primarily students and some alumni, argue that moving the home games off campus will destroy an integral part of the educational experience at the University.

"There is a special atmosphere and spirit at games in Memorial Stadium that can't be duplicated," said Ed Garvey, president of the residence hall council. Homecoming could never be the same in the Metrodome, after 58 years in the Brick House.

Ironically, some of the same problems that threaten the continued use of Memorial Stadium gave birth to the stadium in the first place. Athletic facilities were woefully inadequate in the early 1920's. Football games were played at Northrop Field, south of the Armory. Although Northrop Field was billed as "the best in the west," when it was expanded in 1903 to a seating capacity exceeding 20,000, by 1921 the growing interest in football had rendered it obsolete. Those who could get tickets faced more than a half hour's battle to get through the gates. Photographs show hundreds of less fortunate fans perched on telephone poles, on walls, and on top of nearby buildings.

Perhaps even more distressing than the crowded conditions was the poor showing the Gophers were making. From 1915, when they shared the conference title with Illinois, to 1919, Minnesota's football fortunes steadily declined. In 1920 they won only one game out of seven, and that was against

North Dakota, a perennial whipping boy for the Gophers. North Dakota, a small school compared with the University, was scheduled for the opening game of the year as a sort of practice game. If the Gophers didn't beat the Flickertails by at least 30 points, it was almost as disappointing as a loss.

Football was booming across the country. Winning teams brought honor and prestige to the entire University. After the disappointing 1920-1921 season, a committee was formed to investigate the faltering football program.

A new coach was hired, but there was no money to build a new stadium, and many saw Northrop Field as a contributing factor to the waning success of the Gophers. Something had to be done.

It was the era for new stadiums. Wisconsin had theirs, Camp Randall, built in 1917. Michigan State, Illinois, and Ohio State were planning new stadiums. And the other Big Ten schools would follow. Minnesota was not to be left out.

At a meeting of the General Alumni Association May 14, 1921, a resolution to raise a \$2,000,000 memorial fund to build a new auditorium and football stadium was passed unanimously. The money was to be raised in the form of pledges from faculty, students, and alumni.

The campaign was launched in the fall of 1922. The first week of the campaign, directed primarily at students and faculty, brought in more than \$650,000 in pledges. In the spring of 1923, the drive focused on alumni, using pep rallies and parades to garner support for the memorial fund. The needed monies were raised by early summer. It was decided to build the stadium and wait to build the auditorium. The stadium was to be a memorial

to Minnesotans who gave their lives in world War I.

On March 6, 1924, University President Lotus Delta Coffmann turned the first spadeful of dirt in a ground-breaking ceremony that drew nearly 500 spectators despite a spring snowstorm. By October 4, the stadium was ready for the opening game of the 1924 season. Sixteen thousand fans showed up to see the Gophers beat the Flickertails 14-0. Fans were dissatisfied with what they considered an embarrassingly low score against North Dakota, but the stadium was a success.

Glowing reports in the papers told how the stadium, "drawing like a great horseshoe magnet," made the day. Reporters raved about the "30 outside entrances that robbed fans of two of the thrills of old Northrop Field — the 30-minute fight to get in and the 20-minute stampede to get out."

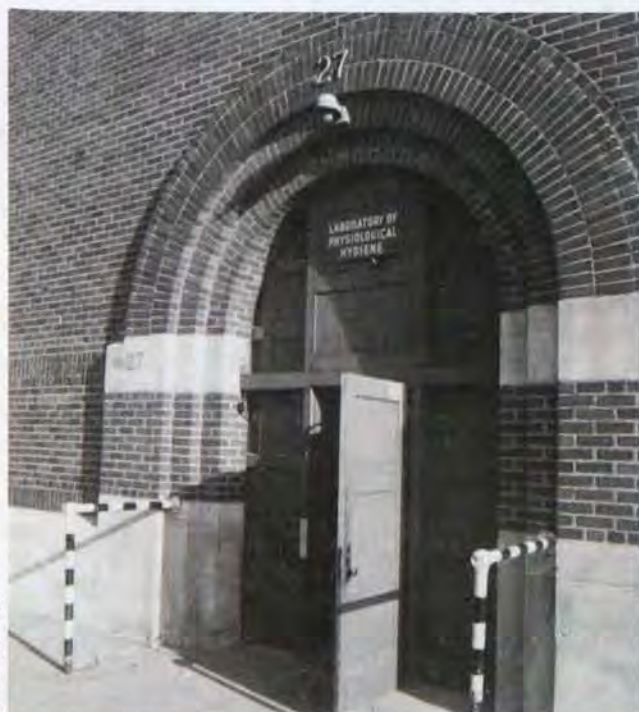
Local enthusiasm swelled. There were those who were convinced Memorial Stadium was the eighth

the stadium was specially planned to meet the peculiar needs of the University.

Crowds grew with enthusiasm. The second Michigan game of the 1926 season drew 60,000. With the coming of the "Age of Bierman" — a period of eight years under coach Bernie Bierman starting in 1934 when the Gophers won six conference championships and were named national champions four times — it seemed that Memorial Stadium had played its part to perfection.

The crowds that filled the stadium also helped fill the athletic department's coffers. Throughout the years, reserves from the men's football program were spun off to develop the rest of the athletic program at the University. The Field House, Williams Arena, Bierman Field, and the University Golf Course were built in whole or in part from these reserves.

But the age of Bierman ended in 1942. The



CHUCK BENDA

wonder of the world. The James Leck Co. began to advertise itself as the company that completed Memorial six weeks ahead of schedule. Other companies jumped on the advertising bandwagon. A. C. Ochs Brick and Tile Co. became the company whose prompt delivery of brick and tile helped speed construction. And the Pacific Lumber Co. was the company that provided "seats of enduring redwood" that would be "sound and strong when the youngest freshman has become the oldest living alumnus."

The grand scale of the new structure fascinated fans. They wanted to know the facts and figures. It was important that 475 men worked on the stadium at one time; there were 45 miles of redwood strips used to build the seats; and a million bricks were laid. It was their Brick House.

Pictures of the stadium were published. Athletic Director Fred Luehring wrote a story for the *Minnesota Alumni Weekly* extolling virtues of the stadium. A professor of architecture explained how



The Laboratory of Physiological Hygiene, and other tenants, would have to move if the Gophers abandon Memorial. The inscription reads: "This stadium was erected by members and friends of the University to honor the men and women of Minnesota who served their country in time of war. A.D. MCMXXIV."

Gophers have not won a conference championship outright since. They have tied for the championship only twice in 40 years. Attendance has dropped. The resultant decrease in revenue from the football program has hurt the athletic program.

Memorial Stadium was never quite as marvelous as its early admirers made it out to be. The "seats of enduring redwood" have never been especially comfortable. A flaw in its design, which has the rows of benches rising along a curved line like the inside of a bowl rather than in a straight line, gives thousands of fans a better view of the back of the heads of those in front than they have of the playing field. And no one likes to get tickets in the bowl end. The seats there are simply too far away from the playing field.

One of Memorial Stadium's most famous critics Notre Dame coach Knute Rockne, called it the worst stadium in the country five years after it was built. The passing of time has done a lot to increase the

justification for criticism. No major renovations were undertaken. The press boxes became known as the worst anywhere.

In 1958 it was decided that something needed to be done. An advisory committee to University President J. L. Morrill recommended that no money be spent renovating Memorial Stadium. They suggested that the University should acquire a site for a new stadium.

Since then, the University has neither acquired a site for a new stadium, nor undertaken any major renovations of Memorial Stadium. Other Big Ten schools have; Indiana built a new stadium in 1960; Wisconsin and Michigan State carried out extensive remodeling projects that included the addition of upper decks; and Ohio State is renovating its stadium, section by section, in the off-season.

The decision of what to do about Memorial Stadium can no longer be delayed. After 58 years,

Cities for more than a decade. It became apparent in the early 1970's that if Minnesota was to retain its professional sports teams, especially the Vikings, something would have to be done to upgrade the playing area.

To that end, the Minnesota Legislature created the Metropolitan Sports Facilities Commission to study the problem. One of the stipulations in the legislation that created the MSFC stated that construction of the new stadium could not begin until "the commission has studied and considered the needs of the University of Minnesota for athletic facilities for a prospective 20-year period." Thus the University has been indirectly involved in the new stadium issue from the beginning.

In 1972, under the auspices of the University, a feasibility study was done on remodeling Memorial Stadium. The study considered the feasibility of completely remodeling the stadium into an



Each seat cost \$14.71 when Memorial Stadium (51,000 seats) was built in 1924 for \$750,000. The \$55-million, 65,000-seat dome, compares at a cost of \$846.15 for each seat.

the deterioration is extensive. Without major renovations, the expected life of the stadium is from five to 10 years. If any remodeling is to be done, planning must begin so that the necessary funds can be appropriated and the remodeling begun before the building deteriorates beyond repair.

If the football team moves, plans must still be made to accommodate the other tenants, most notably the Laboratory for Physiological Hygiene, the Physical Education Department, and the Recreational Sports Program.

The Board of Regents has agreed to come to a decision early this summer, but it will not be an easy decision because any decision reached will leave certain factions dissatisfied. The regents must try to determine what will be best for the University.

To fully appreciate the complexity of the matter, one must understand something of the controversy that has surrounded the possible construction of a new stadium for professional sports in the Twin

ultra-modern, domed stadium that would solve not only the football problem at the University, and provide a suitable stadium for the Minnesota Vikings, but would also contain vastly improved playing fields for basketball, track, and tennis, along with intramural and recreational sports.

The plan never received much favor. The Vikings showed little interest in playing in Memorial Stadium, and in fact, when certain factions in the Legislature began to push for a remodeled Memorial Stadium in 1975, the Vikings said they would not play in a remodeled stadium.

The legislative mandate that directed the MSFC to take the Gopher football needs into consideration kept the University involved in the stadium issue, even though the University refused to take a stand in favor of any of the various plans. The close proximity of the Industry Square Site to the University was cited as one of the advantages of building downtown. When the MSFC finally decided

to build the stadium downtown, many persons assumed the Gophers would be moving to the Metrodome.

If the only question confronting the Board of Regents was whether or not the football team should play in the dome, perhaps the answer would be easy. But that is only a part of a larger problem.

Athletic playing areas are inadequate in almost every area. Merely shipping the football team off to a domed stadium is not going to solve all of these problems. Nor is remodeling the stadium going to relieve the pressure on dozens of other areas that are crowded.

Will the legislature provide funds to remodel Memorial Stadium when the new dome is completed less than a mile from the campus?

If the Gophers move, what happens to the other tenants of the Brick House? It could take several years to relocate them so that the stadium could be demolished and other use made of that space.

The pro-dome forces argue that a Gopher move in 1982 will not only solve the Memorial Stadium dilemma, but that it might also revitalize the ailing Gopher football program, and indirectly, the entire athletic program. Giel and Salem have argued that a move to the Metrodome will enhance recruiting efforts.

"We would be able to attract those three or four

youngsters who make the difference," Giel said. "A winning team attracts bigger crowds."

They feel that a domed stadium would eliminate the negative influences of the Minnesota climate. Talented players — quarterbacks and flashy runners — might not want to play where bad weather is a constant threat to limit their effectiveness.

Giel and Salem are convinced that attendance at Gopher football games will increase markedly if the team plays in the Metrodome. It would allow scheduling night games, as well, a move that Salem thinks would increase student attendance.

"I've been through this before," Salem said, referring to his years at Northern Arizona State when his team moved to a domed stadium, "and it works." Student attendance increased tremendously at Northern Arizona State, according to Salem, especially among women.

They both expect the dome will have a positive effect on the fans, as well. Season ticket sales and day of the game sales might increase, says Giel, if the fans know they aren't going to have to sit through a November snowstorm.

A look at another University that has made the move to a domed stadium provides some insights. In 1965 the Houston Cougars of the University of Houston moved to the Astrodome, which was located eight miles from the campus.

Larry Zierlein, an offensive coach for the Cougars, was emphatic in his support of the move. "There's a definite recruiting advantage for the skilled players. A quarterback who thinks he's a great passer doesn't want to play where bad weather can reduce his chances to shine. That should be a big factor up there in Minnesota."

Critics of the move to the Metrodome have stated that it would be like playing all Gopher games on the road, since the Gophers would be unable to practice regularly in the new stadium. Gopher coaches point out that the team only practices in Memorial Stadium the day before the game anyway, so little would change in that regard.

Zierlein says there is a definite home-field advantage playing in the Astrodome. "It's awesome, the Astrodome," he said. "When a team comes to the Astrodome, they've got to be impressed."

Charles Carder, a sports writer for the *Houston Chronicle*, agrees. "When a team that hasn't played there before first comes into the Astrodome, they spend the first 20 minutes standing around looking at the ceiling." But Carder doesn't feel that the quality of football teams at Houston has improved noticeably since the move. "Attendance jumped up, though," he said, "especially when the Astrodome was new."

The drawing power of the Metrodome alone is something the pro-dome forces hope will increase attendance at Gopher games.

Zierlein explains how he thinks it worked in Houston:

"There's a lot of competition for sports dollars in Houston, and only so many dollars to be spent on sports in any week. Unless you have the most



ART HAGER, MINNEAPOLIS TRIBUNE

So far construction on the new dome is under budget (about \$8 million) and is on schedule.

entertaining show in town that weekend, people will go elsewhere. You've got to rank up as one of the better buys."

Giel and Salem feel that to "rank up as one of the better buys" in the Twin Cities, the Gophers must move to the dome. Otherwise attendance might slip as the sports dollars are spent on the Vikings.

The pro-dome forces point out that the costs of maintaining Memorial Stadium could be eliminated by moving to the dome. The MSFC is offering the stadium to the Gophers rent free, expecting that they will make considerable money off the concessions and parking.

At this time, the students have been the most outspoken critics of the proposed move to the Metrodome. They seem to be the only ones sounding the alarm at the possible loss of half a century of tradition associated with the Brick House. Chuck Standing, a University alumnus, said, "I'm surprised that so few people are concentrating on the question of tradition. The younger people — the student representatives — are concerned about this, but the older people are asking questions about parking, and mundane things like that."

Informal surveys of dorm residents have shown that they oppose the move by a 3-1 margin. These students and some alumni have been trying to point out the value of some of the intangibles associated with football in the Brick House.

It's difficult to assess the dollar value of an afternoon spent in the sunshine, smelling the crisp, autumn air . . . an experience that will no longer be associated with Gopher football if they move. The atmosphere created by all the fraternity row hoopla and Homecoming decorations along University Avenue can't be taken downtown on a bus.

The anti-dome argument is not all nostalgia and tradition, however. There are serious drawbacks to the proposed move, they say. Income from parking and concessions would be lost. Transportation costs for the team and the band would increase, since, in one sense, every game would be a road game for the Gophers.

Parking near the new stadium is expected to be less convenient, and certainly more expensive than parking near Memorial Stadium. Ticket prices will go up, at least 10 percent to cover the required ticket tax at the Metrodome, and possibly more.

There also is some concern that if the Gophers move, the Legislature may see this as a solution to the athletic problems at the University and be reluctant to appropriate funds to alleviate other problems in this area.

The argument against moving seems to falter in the face of the dollars and cents approach put forth by the pro-dome forces who are quick to point out that students account for only 10 percent of the total attendance. A survey is being conducted to get some idea of how the majority of Gopher fans would respond to a move to the Metrodome, but this may not have much of an effect unless the response is overwhelmingly negative. Giel insists that the University athletic program cannot put out \$10 to

\$15 million to remodel Memorial, continue to play to crowds of 30,000, and remain solvent.

If the Board of Regents decides to make the move, there are some contract difficulties that would have to be sorted out. The MSFC, however, has indicated a willingness to negotiate. "The only thing we have no intention of doing is losing money on any of the tenants of the new stadium," said Don Poss, MSFC director. "The rest is open to change."

The contract offered thus far in discussions by the MSFC would allow the Gophers to use the stadium rent free. All of the concession money would go to the MSFC. The major concerns of the University would be guaranteed access and the MSFC's intention to sell 3.2 beer. The sale of alcoholic beverages is prohibited at all Gopher athletic events. The MSFC sees this as one of their main sources of revenue, however.

Problems regarding access to the stadium might arise if the Minnesota Twins become involved in playoff and World Series games. A clause in their contract guarantees them first choice of dates. Gopher games, which are scheduled as much as 10 years in advance, could be pre-empted, unless some sort of agreement is reached.

At this point, contract talk is just that — talk. No formal discussion of contracts can take place until the Board of Regents comes to a decision. Before that happens, there are many more voices to be heard.

Meanwhile, the Brick House remains silent. Even the most loyal fans can't hear the accumulated cheers from years gone by, rolling around the stadium like the whispering echos of ocean waves in a conch shell, except in their memories. Peanut shells are piled in windrows beneath the benches.

The questions remain.

Will nostalgia and the fight to preserve tradition keep the team on the campus and save the Brick House?

Or will they be pulled away in the push for progress?

The answer will depend on the response from the entire University community — its students, its faculty, its alumni, and its fans. **M**

Memorial or Metrodome?

Now that you've read what we hope is a balanced story on the stadium issue, we would like you to express your opinions.

Should the Gophers call the new dome home or stay at Memorial?

Please send your opinions to:

Letters to the Editor
Minnesota
100 Morrill Hall
100 Church Street SE
Minneapolis, Minn. 55455

Be sure to include your name, address, and daytime telephone number.



People will supply some of the heat

Engineering's 10-Story Earthscraper

by Dave Shippee

A STEEL MESH CAGE JAMMED with five adults, like a small-scale Social Science Tower elevator at lunchtime, swung slowly on a thick cable as a crane lowered it to a soft, sandy floor 110 feet underground.

The cage elevator and a feeble-looking scaffold staircase are the only access to a largely rectangular cavern neatly carved in the sandstone about 10 stories underground. The 60-foot excavation and massive hole above it look like a combination open pit and underground mine.

It's hard to imagine that the dig is the site for a new

earth-sheltered Civil/Mineral Engineering Building at the University. The future 10-story engineering complex, which will be located where piles of sand now block the view between the University's Architecture Building and the Armory, has been mandated by the state Legislature as an Earth Sheltered Energy Independent Demonstration Project.

The \$12.5 million engineering building will be more than 95 percent underground, utilizing the earth's insulation potential. It will be partially heated by solar energy and the earth's

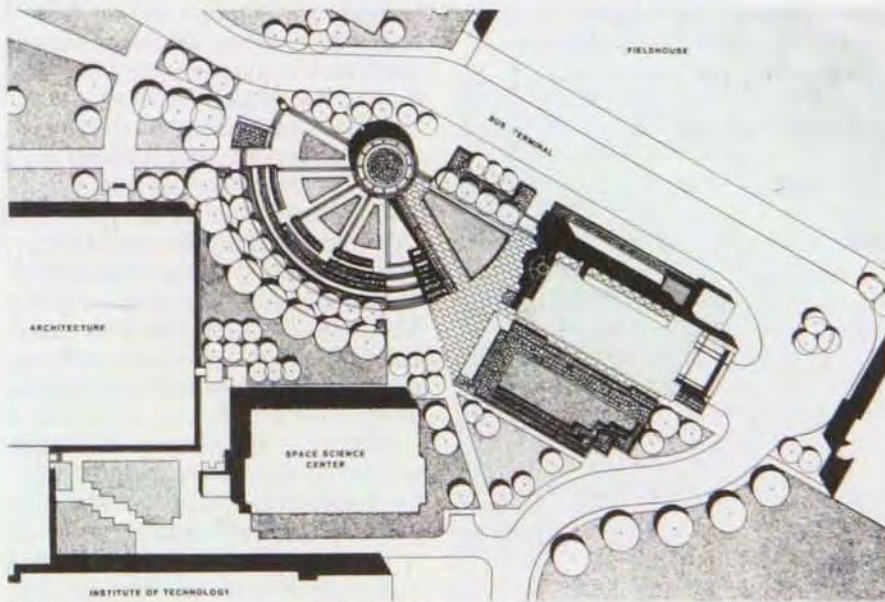
insulation. The entire project, including furniture, lab equipment, and elaborate landscaping, will cost about \$17 million "from the grass seed to the last pencil," said the managing architect, Larry Opseth.

The building, designed by Myers and Bennett Architects/BRW (the firm that designed Williamson Hall and the new St. Paul Student Center), will use about 30 percent of the heat of an above-ground building, he said.

"People and lights during the day will supply most of the heat



DICK HAINES



A bottoming out party was held at the site of the new underground engineering building when construction workers completed the excavation. Celebrants are featured along with an architect's site plan.

that's needed during the year," Opseth said. The rest of the heat will come from several sources, including the University's coal-generated steam system, solar energy, and heat recovery systems contained in the building.

Summer cooling will be even less of a problem, according to Opseth. The earth insulation will independently maintain a temperature of 55 degrees in the building at all times, according to Opseth.

The complex will need only 20 percent of the cooling energy required in a normal building of

its size. The plant material in the landscaping on the top of the structure will keep heat away from the building through landscape microclimatology — using leafy plants to deflect sunlight and heat from the surface of the building. The vines hanging down the sides of Williamson Hall are an example of this principle.

A complex system of reflectors and lenses will project sunlight into the underground areas of the building to increase natural lighting and decrease costs. "Lighting itself is one of the most energy demanding and most

inefficient systems in a (normal) building," said Opseth.

A 32-foot-thick limestone layer, about 50 feet below the surface and a 26-foot-tall sandstone pillar below the limestone will help support the engineering building. Environmental and mineral engineering labs and a space center will surround the pillar in the vibration-free sandstone layer. A circular courtyard and rectangular top floor for building access will jut above the ground.

A few weeks ago, where the floor of the future space center will be, architects, construction workers, and news people celebrated the completion of the excavation for the building. Champagne was on ice in the scoop of a tractor as water dripped from "nipples" in the limestone ceiling.

Talk of the first stages of actual construction was exchanged in the small crowd. Opseth said the building will be completed by the fall of 1983.

On the elevator ride up from the gray depths of the man-made cave a construction worker jokingly said the crane operator jerks the elevator cage a little too much sometimes. "It's hard on your bladder when it happens," he said. **AA**

Dave Shippee is a writer for the Minnesota Daily.

Her life story is telling people they are oppressed

Big Nurse

by Paul Dienhart

THE INVITATION WAS ONE of those inexplicable things, rather like asking Ralph Nader to address a General Motors stockholders' convention. Naturally, she accepted. She went jetting off to her old stomping grounds, New York City, and blasted some persons attending a nursing convention.

"My cry today is let my people go!" said the diminutive figure with the flush of red hair. Possibly, at this point, someone on the program committee wondered who had had the bright idea to include this lady leprechaun in the proceedings. Didn't they know that Ellen Fahy had spent the past two years battling their organization until they bestowed accreditation upon the nursing school she had started at the State University of New York at Stony Brook?

"When they asked me to speak I agreed to take a chance if they would," Fahy recalled some weeks later in her dean's office at the

University of Minnesota School of Nursing. "Well, that's the story of my life, telling people they're being oppressed. It's a message that's not always greeted with great warmth." She hunches her shoulders and breaks into an impish grin. "I love it! That's what kept me going."

Nurses do not exactly have a tradition for rocking the boat or for being shrewd politicians. There's something about that stereotype of the nurse as a gauzy white figure deftly changing bedpans out of an almost religious fervor for helping mankind or they're like a troop of angels, responding to the commands of the good doctor with the subservience of Prussian corporals.

Nursing is a profession in transition, breaking away from the stereotype that retards the development of nurses, patient care and nursing education. That's why Fahy warned the accrediting organization not to

impose strict limits on what nursing schools can teach. Nursing is still a baby among the professions, and it needs room for growth.

It's growing rapidly in Minnesota, but then nursing education had a head start here. The School of Nursing is the oldest university nursing school in the nation. Recent growth includes a plan to add a doctorate program and a January move to a new building on campus.

"It's an exciting time for a dean," said Fahy, who has been on the job for six months. "In many ways history is being very favorable to me."

By mid-January boxes were beginning to collect in her Powell Hall office, signs of the upcoming move to a building called Unit F. Last to be packed will be an Expressionist painting of two ducks by her husband of 11 years, professional artist Paul Lett. "That painting is my refuge and my strength," she said. "I keep it wherever I go. I bought it. It was going to be sold at one of his shows, and artists never give anything away. Its colors will show up much better in my new office."

Moving — both in space and activity — has been a way of life for Fahy. In her 52 years she has been an actress, a campus activist at Columbia University, a Fulbright scholar in Norway, the working mother of three children, and the founder of a nursing school.

Fahy went into nursing for what she now calls, with obvious amusement, "the worst possible motive; I was chasing a man." She met her first husband-to-be when she was studying acting at Radcliffe. He was a physician named Ken Winters who was way ahead of his time long before he died in 1961. "Ken believed you had to do something for society, that you could not just be decorative. I rather liked that idea," Fahy said. She dropped out of college to study nursing, but she didn't give up the idea of acting.

When she and her husband moved to New York she had the



Ellen Fahy, dean of the School of Nursing, has moved into new offices on the fifth floor of Unit F.

idea of working as a nurse while establishing a career on the Broadway stage. She did, in fact, act in four New York productions, earning enough points for life membership in Equity, the professional actors' union. "I'm a pretty good actress, but it became less appealing as a way of life. It's grubby, no glamour, hard work and almost everyone is poor. The last time I performed was in 1962."

That is until she came to Minnesota and found herself thrust into a new role — Big Nurse. Ellen Fahy is Minnesota's Big Nurse. As the dean of the University's nursing school she is considered a leader for 20,000 nurses in the state. She discovered this, quite to her surprise, on her first day on the job, while attending a meeting of the state's Higher Education Coordinating Board. She made a big splash: she didn't say anything.

"I declined to speak that first day, and I was later told the silence was interpreted as an answer," Fahy said. "There's no point in being coy about it, this school catapults you into leadership. And that wasn't in my job description."

Not that she's complaining, mind you. Fahy has a relish for stating her opinions in politically opportune ways. But she was planning to bide her time for a year and learn about the situation for Minnesota nurses. Instead, she finds herself on a state task force to submit a plan by April 1 for coordinating Minnesota nursing education.

She's been in tougher situations and managed to speak her mind. As an assistant professor at Columbia in 1962 she got together with a small group of faculty and students who believed the university had violated their rights. ("That's the story of my life, telling people they're being oppressed.") The official campus newspaper was censored. The administration did not consult with faculty or students before making decisions. "We didn't even know where the president's office was,"

she said. So Fahy helped start an underground newspaper, *The Gadfly*.

The paper wasn't enough to spur the administration into making reforms, and in 1968 there was a sit-in that resulted in some particularly bloody arrests. It was the same year that Fahy and some other activists at Eastern universities were tapped to start professional schools at the fledgling state university on Long Island, Stony Brook. Apparently someone valued their skills at battlefield persuasion.

Stony Brook is on the north shore of Long Island, a rural area of potato farms. The British won the battle of Long Island in 1776, and many of the north shore inhabitants are descendants of

the triumphant redcoats.

"There's a definite Tory mentality around Stony Brook. People tended to be super-conservative," Fahy said. "The residents were expecting a nice little Amherst College. To plunk a major public university into the middle of this community was almost unbelievable."

Fahy's new nursing school helped heal community wounds by opening its doors to area nurses who needed more education to advance their careers. It was the first school in the nation to open with such a program. The school also worked with the county board of health to provide health education to migrant workers.

After Columbia, Stony Brook



In 1909 the University became the first training school for nurses in the world. The class of 1912 includes, from left, Olga Belta Skonnard, Mary E. Mark, Elizabeth Burns, Louise M. Powell, Lena Belle Stewart, Carolyn Schwarg, Margaret Ames. Mary Marvin was not pictured. Pearl McIver and Sena Anderson demonstrate home treatment of communicable disease.



UNIVERSITY ARCHIVES



A student nurse bathes a baby at the University Hospital, circa 1943.

was a graduate course in practical politics. It led Fahy to wonder what would happen if all nurses, the traditional troop of obedient angels, got some political savvy. "Pull together one million registered nurses — we're the largest group of health providers in the United States — add another quarter million practical nurses and consider the families of all these people . . . that's a significant voting block. The influence would be enormous. It's going to happen, despite attempts to keep it slowed down. Fifteen years ago decisions about the nursing profession could easily be made without consulting nurses. That I've seen change."

A certain backwardness in the ways of the world is understandable if you consider the religious and military origins of modern nursing. For example, when Fahy was studying to become a nurse at a hospital school she had to be married secretly. She was, in effect, a secular nun. "And nuns don't marry, my dear. That's from the religious tradition," Fahy said. "The military tradition gave us

the 10 p.m. curfew, standing in line for inspection, and jumping to your feet when a physician entered the room. And most of the class loved it. They liked the kind of discipline where you knew where you stood at all times."

Even now, 30 years later, Ellen Fahy's blue eyes flash when she thinks about it. "Ohhhh, it was an authoritarian outfit! I started to rebel, since that seems to be somewhat my nature. Kenneth, my husband, said, 'Keep your mouth shut and worry about it when you get out.' So it's a lifelong preoccupation of mine to liberalize nursing education. I frequently give bombastic speeches on the subject. Periodically they drag me out like an old war horse to point out the truth. I tell them the old education process has been very successful — in a negative way. It's worked to keep us down very successfully."

It was in the Middle Ages when nursing began to get some kind of organization. It came in the form of nursing orders of monks and nuns. Education requirements consisted of being

freeborn, celibate and free from debts. Absolutely no lepers were allowed.

So in 1851 when Florence Nightingale decided there was a need for real nursing education she went to study with a sect of German nuns at Kaiserswerth. Florence was something of a religious fanatic herself, having heard at age 17 the voice of God calling her to greatness. But at Kaiserswerth she learned little, except that there was vast potential for improving hospital sanitation. She returned to England to run The Institution for the Care of Sick Gentlewomen in Distressed Circumstances.

Then came the military connection, the marriage of religious subservience to military discipline. Florence Nightingale went to the 1854 Crimean War between England and Russia. She was sent to a hospital where there were 1,000 men suffering from acute diarrhea and 20 chamber pots. You had to wade through the slime on the floors. Florence scrounged 200 scrub brushes and set her nurses to work. Sanitation improved tremendously. The soldiers adored her, and her legend grew into a sort of modern Joan of Arc — the Lady of the Lamp, a gritty angel making rounds of the wards at night.

When Florence Nightingale died in 1910 the University of Minnesota School of Nursing was just one year old — and it's the oldest university nursing school in the country! "Nursing is a very young profession," Fahy said. "When you consider that Florence Nightingale didn't begin the first formal education of nurses until 1860, the fact that we're legitimized at all in a university setting is amazing."

Fahy's academic specialty is the history and philosophy of nursing. After studying international nursing history in Norway as a Fulbright scholar, she discovered that American schools have been the real pioneers in modern nursing education.

The University school was a pioneer from its 1909

beginning, making use of medical school professors and screening prospective students to find those interested in nursing as a career, not just as a short-term livelihood. For the first 10 years the school had the same sort of rigid discipline Fahy was so repelled by in 1950. But when a group of students came to director Louise Powell in 1919 demanding student government, they got it. "I was just waiting for you to ask," Powell said.

The school grew rapidly under Katherine J. Densford, the director from 1930 to 1959. "K.J. — that's what we called her to her face — always said she had the faculty for getting things done. She meant that in both ways. She really pushed your talents," said Isabel Harris, who joined the nursing faculty in 1947 and was dean from 1969 to 1975.

Harris is in charge of the school's 75th anniversary celebration in 1983. She's keeping busy these days trying to locate some of the school's 9,000 graduates, a pretty mobile bunch.

Fahy was amazed at the list of graduates. "Minnesota has a large number of alumni who have had a direct influence on the direction nursing has taken. In the '30s and '40s if you weren't a graduate of the University of Minnesota you were nothing in the Washington D.C. nursing circles."

The nursing school was the premier supplier of nurses to the armed services in World War II. In 1944 there were 1,000 students at the school. The director of the U.S. Cadet Nurse Corps was a former Minnesota professor, Lucile Leone, who later became the first woman to be assistant surgeon general of the U.S. Public Health Service.

In the 1950s a former Minnesotan, Mildred Montag, started the associate degree program in nursing for junior colleges, a program that Fahy recalls "swept the country like wildfire." Minnesota also claims Myrtle Aydelotte, executive director of the American Nurses



These nurses are attending a lecture in 1938.

UNIVERSITY ARCHIVES

Association, the country's most powerful professional group for nurses. More than a score of the country's nursing school deans have been Minnesota graduates.

If only the prestige of the nursing profession could keep pace with the prestige of Minnesota's nursing school, things would be rosy. "There are still a lot of people who think: 'She's a lovely girl, not too bright, but she'd make a wonderful nurse.' We have to make it clearer to the public that the level of education of the nursing staff usually determines the level of care they provide," Fahy said.

Nursing students prepare for their registration exam by a variety of programs: two-year associate degrees, three-year diplomas from hospital schools and bachelor degrees. These entry level programs are the most controversial. "People are beginning to agree that we need graduate training for nurses. But how can you put nurses in a master's program if they don't have a bachelor degree?" Fahy said.

Besides increasing leadership skills, the graduate nursing

programs allow for research. Nursing researchers are not so much concerned with the causes and treatment of disease, but with helping patients cope with illness and learn how to better care for themselves. Prof. Ida Martinson, for example, has conducted a Minnesota study that found many youngsters dying of cancer are more comfortable being cared for at home. Isabel Harris remembers that when she was a nursing student her only instruction on death was what to do with the dead bodies.

Things are changing, mainly because some people are demanding it. "We even have a course that acquaints nursing students with the realities of the political process," Fahy said. "The first step is getting them to see that they should be involved in political decisions.

"There are terrific faculty and students here. We're very vocal, and I expect we will be more so."



Paul Dienhart is a writer in the Office of University Relations.

Old and new board members mingle at club

New Student Board Chosen

ONE EVENING NOT LONG AGO THE newly selected members of the Alumni Association Student Board filtered into Alumni Center headquarters in Morrill Hall where they ate pizza, drank pop, and got acquainted.

"They are a hungry and enthusiastic bunch," said Linda Hartley, director of the student effort. "They can't wait to pick up where the old board left off."

Chosen for a second term were: Shelley A. Breyen of Elk River, Minn.; Bruce N. Thorpe of Roseville; Martha B. Willson of Edina; and Mark L. Workman of Richfield.

New members are:

John T. Barber of Mendota Heights; Raquel Briskin of St. Louis Park; Bill P. Byrne of Sioux Falls, S. D.; Linda R. Cooper of New Hope;

Pam A. Coyle of Hibbing, Minn.; Jayne K. Cunningham of Sioux Falls; Connie Feist of Richfield; Steve J. Fischer of Hopkins; Barbara L. Frey of Edina;

Diane Gellersted of Tonka Bay; Mitch Goldstein of Golden Valley; Tim J. Hawley of Grand Forks, N. D.; Mary C. Hayden of Whitefish Bay, Wisc.;

Scott M. Madson of Sioux Falls, S. D.; Myron W. Orfield of Minneapolis; and Debbie Pause of Edina.

Former board officers: Mark Matthews of St. Paul, president; Katherine Gaukel of Wisconsin Rapids, Wisc., vice president of programming; Martha Willison of Edina, vice president of public relations; Charlie Devine of St. Paul, treasurer; Jeff Parkhurst of Wayzata, treasurer; and Shelley Breyen of Elk River, secretary.

The student board was organized late last spring. Old and new board members met at the Minnesota Alumni Club last month where they discussed plans for a "Senior Tent Extravaganza," and "Activities Fair," among other projects.



Here are the new members of the Alumni Association Student Board, who met with the outgoing board members at the Minnesota Alumni Club. At top is Mark Matthews, former board president. New board members are Bill Byrne and John Barber; Debbie Pause, left, and Linda Cooper.

Twyla Tharp

“WE ARE PLANNING A post-performance reception for members of the Minnesota Alumni Association and their guests following the Twyla Tharp Dance Company appearance May 15 at Northrop Auditorium,” said Chris Reynolds, director of special events.

“We also have reserved 100 of the best seats in Northrop for that evening’s performance,” she said. MAA members will receive a discount on the tickets and the opportunity to meet and talk with dancers after the performance.

The performance will begin at 8 p.m. and the reception will follow about 10:30 p.m. in the Nolte Center lounge.



A Cultural Event

SPOTLIGHT WILL BE ON THE ARTS at the Minnesota Alumni Association’s annual meeting June 11 at the Minnesota Alumni Club, IDS Tower, Minneapolis.

Current members and their guests are encouraged to attend the annual dinner that will begin at 6 p.m. and will include the arts, awards, and association business.

“During the past few years, the arts and arts programs at the University of Minnesota have played a large part in the University life for students, faculty, and alumni,” said Chris Reynolds, director of special events.

“This year,” she said, “we are celebrating the 50th season of the University Theater. This fall we will dedicate the Stewart Luckman sculpture, which was commissioned by the MAA, and next year marks the 50th anniversary of the University Gallery.”

Highlights of the evening will include music, photography, and paintings provided by the School of Music, University Theater, and University Gallery.

For reservations, please contact the Alumni Center, 100 Morrill Hall, 100 Church Street SE, Minneapolis, Minn., 55455 or call (612) 373-2466.

Dues Increase

MINNESOTA ALUMNI ASSOCIATION dues will increase July 1, 1981, the first increase in annual dues since 1975.

At its meeting on Jan. 16, 1981, the board of directors of the MAA approved the increase.

This is the first increase, too, in life membership dues since 1967.

“The increase is necessitated by increased operating costs and expanded programming efforts,” said Jim Barnum, director of membership.

All current annual members of the Alumni Association are being notified of the increase so that they may consider converting to an installment life or life membership. By converting before the increase, members will

realize great savings. The annual payments for installment life memberships begun before the increase will not be affected by the dues increase.

Steve Roszell, MAA executive director, explains:

“If an annual member were to convert their membership to an installment life membership at this time, they would be purchasing a life-time membership in the Alumni Association for about the same price as their annual dues would be following the increase. All annual members are urged to convert their memberships and realize this savings.”

New membership dues, effective July 1, 1981, are in parenthesis:

	Current Rate	New Rate	Discount Rate
Annual			
Single	\$12.50	(\$18)	\$ 8.50 (\$10)
Husband/Wife	\$16	(\$23)	\$12 (\$15)
<i>Life Membership Installment Plan</i>			
Single	\$21	(\$30)	Not Available
Husband/Wife	\$27	(\$36)	
<i>Life Membership One Payment Plan</i>			
Single	\$175	(\$250)	Not Available
Husband/Wife	\$225	(\$300)	

Women get first Big 10 championship

Gophers Win, Salute Coach

THE GOPHER women's basketball team's recent 96-70 victory over South Dakota at the Dakota Dome in Vermillion, S.D. may be a sign that the Gophers have started to peak at the right time.

The victory, the 12th straight for the 18th-ranked Gophers, clinched the Region Six north section title. The Gophers defeated South Dakota by only nine points (77-68) at Williams Arena. And in the recent win, the Gophers did something they haven't in a while — they played a strong second half. In their last two victories (Northwestern and Drake), the Gophers have jumped to 16-point leads in the first half and held on for the victories.

Behind the six-of-six first-half shooting of 5-foot-11 junior forward Marty Dahlen, the Gophers jumped to a 15-point lead in the first 10 minutes of the game, but the Gophers attempted only nine shots in the last 10 minutes of the half and the Coyotes pulled within 10 points at the half.

It didn't matter how many field goals the Gophers were attempting because just about everything was going in. Minnesota hit 41 of 65 field goal attempts for 63 percent. For the season, the Gophers have hit 48 percent of their field goal attempts.

"At halftime we talked a little about the fact that we can't keep letting teams like South Dakota feel like they had a chance of beating us, like they were in the game," Gopher coach Ellen Mosher said. "What we haven't done is put anybody away, until tonight."

In the second half the Gophers erupted for 52 points and put the Coyotes away as South Dakota

never got closer than 10 points for the remainder of the game. As usual, the Gophers showed offensive balance. Sophomore guard Debbie Hunter was game-high with 20 points on nine of 12 field goal attempts (which raised her field goal percentage to 64 percent). Hunter has now scored 20 points in five of the last seven games and has taken the scoring leadership from center Linda Roberts.

Dahlen finished with 18 points, guard Tammy Manly scored 16 points and forward Mary Manderfeld added 12 points. Manderfeld and Cindy Kuhlman each grabbed nine rebounds to lead the Gophers.

"We played very well in the second half," said Mosher. "We've shown improvement in the last couple of weeks. We may be starting to peak but we still have room for improvement. We still have to work on some little mental things."

Besides clinching the section title, which assured the Gophers of one of the top seeds for the Region Six championships at Williams Arena in March, the victory was significant for another reason: The win, the 24th against only four defeats, tied a school record for wins in a single season.

In 1977-78, the Gophers compiled a 24-10 record against in-state Division I and II schools (smaller schools) in Mosher's first season at Minnesota. It is also the most victories by a Mosher-coached team. Mosher coached UCLA to 19-3 and 20-4 records during her two seasons there and now has a career record of 137-51 (73 percent). *Joel Rippel*, The Minnesota Daily

Ellen Mosher Nominated

GOPHER BASKETBALL coach, Ellen Mosher, is one of 20 coaches nominated for the fourth annual Stayfree Coach of the Year Award.

This award honors the nation's outstanding women's collegiate basketball coach.

Mosher, in her fourth year at Minnesota, has compiled a 81-40 record with the Gophers. She has brought the 1980-81 squad into the national rankings, currently at 18th. This is the second consecutive year that Mosher has been nominated.

26 Grid Hopefuls Sign

MINNESOTA HEAD football coach Joe Salem announced that 28 players signed national letters of intent and will be on the University of Minnesota football squad next fall.

Included among the signees are seven junior college transfers, all of whom are eligible to participate in spring practice during April and May, plus 19 high school seniors. Among the latter group, 10 are Minnesota products with another from Wisconsin in Minnesota's natural recruiting area.

"Members of my staff and myself agree that this is an excellent group of young men who have chosen the University of Minnesota to continue their academic and athletic careers," Salem says. "We were after a particular commodity in this group speed, and it is there."

"We recruited seven running backs and each has the credentials needed to play for Minnesota. Just about every one of these young men has been timed in 4.6 seconds for 40 yards, or better. Some may play wide receiver, too."

"Our aim was to concentrate on specialty positions in our recruiting, so there are not many

down linemen in the group. We also have four incoming quarterbacks and competition for this position should be something to watch. Now we eagerly await the start of spring drills so we can see what these young men can do."



Linda Roberts . . . "another six footer."

Linda Roberts Matures

ONLY TWO TEAMS in the short, 10-year history of the Gopher women's basketball program have won 24 games in a single season. Senior center Linda Roberts has been on both of them.

The first team to win 24 games played during the 1977-78 season — Roberts' freshman season and Ellen Mosher's first season as coach. The other team to win that many games is the current year's squad. But according to Roberts, who holds just about every Gopher career record, there is no comparison between the two.

"During my first year we didn't play outside the state," Roberts said. "We only played in-state

Division II and Division III schools. The next year we started taking the bus out of state. Now we're flying places to play teams, like Kansas, that are in the top 20."

Roberts came to Minnesota after leading St. Paul Central to the state high school championship. Nobody had really paid attention to her until Roberts' high school coach called Mosher and recommended her. Mosher decided to give her last scholarship to Roberts.

During her four years at Minnesota, Roberts has gone from being the tallest member of the team, to being just another 6-footer. There are four players on the current Gopher squad as tall or taller than Roberts. Last week Roberts went up against 6-foot-3 Drake center Lorri Bauman. And when the Gophers face Indiana Saturday afternoon at Williams Arena, the Hoosiers will start 6-foot-4½ Sue Hodges.

"It hasn't been that big of an adjustment to play against the bigger centers," Roberts explained. "Sometimes the heights are a little exaggerated. I don't change my style of playing. No matter how tall the player is I still have to play tough defense."

For her career Roberts has averaged 15 points and 11 rebounds per game, but her production has dropped a little this season to 12.5 points and 10.5 rebounds. That small drop could be explained by the added depth of the Gopher squad (all five Gopher starters are averaging above 9.8 points per game).

"We do have a lot more depth on the team than we did when I started here, but I can rebound better and play better defense than I have so far this year," Roberts said. "We don't depend on one player to get the job done for us — we all have to do the job."

While Roberts doesn't have to concern herself with carrying as much of the offensive load as she did four years ago, one thing that does concern her has been her free throw shooting this season. Roberts holds the Gopher

single-game records for free throws attempted and made (21 of 25 in a game against Rhode Island in 1979), and for free throw percentage (11 of 11 against Ohio State in 1978). But this season Roberts is shooting only 54 percent from the free throw line.

"I think my shooting may be coming back a little," Roberts said. "I don't know what it is, I've changed my form and I can find the right form for two shots and then it goes again. But it is getting better."

Although many observers (including Minnesota Fillies president Gordon Nevers) think she could play professional basketball, right now Roberts isn't considering it.

"As of today I really don't think I would go with the league (the financially-plagued WBL), unless the offer was too good to refuse," Roberts said. "But realistically, the league isn't too stable and it wouldn't make sense to play for one or two years and then have the league fold and be out of a job. I am more concerned about getting a job." (Her major is business administration.)

When Roberts scored the 1,715th point of her career (against South Dakota at Williams Arena two weeks ago), much was said about the fact that she was placed second on the all-time Gopher scoring list behind Mychal Thompson and ahead of Kevin McHale. "I'm happy about it (the record), sure," Roberts said after the South Dakota game. "But it doesn't feel any different than before."

Roberts would rather reflect on the improvement she has seen in the Minnesota basketball program.

"The nicest thing that has happened to us since I've been here," Roberts admitted, "was to get ranked. And now that we've moved up to 15th there is pressure on us to go out and play two good halves of basketball every night. We can't afford to lose to an unranked team."

J. R.

CONSTITUENT ALUMNI SOCIETIES

"The Gold Club"

ALLEX BOIES has been elected president of the recently formed Women's Athletic Alumni Society, a special alumni group that has affiliated with the Minnesota Alumni Association.

The organization, also to be called "The Gold Club," was formed to serve the interests of women's intercollegiate athletics at the University of Minnesota.

Other officers include Ruth Delin, vice president; Jane Oas, secretary; and Mary Owen, historian.

Outstanding athletes will be honored at a reception at the Minnesota Alumni Club.

Home Economics

THE HOME ECONOMICS Alumni Society will hold a reception at Eastcliff on Thursday, May 14, for past board members and individuals interested in seeking board positions. Diane Magrath will give her talk on "President's Partners."

Pharmacy

THE PHARMACY Alumni Society will meet May 2 and 3 at the Radisson Downtown Hotel, Minneapolis. Continuing education courses will be offered along with a tour of new campus classrooms and a dinner in Unit F.

Nurse Anesthetists

THE NURSE Anesthetists will hold its annual meeting Friday, May 8, at the Minnesota Alumni Club, 50th floor, IDS Tower, Minneapolis. Call Marvin Lang at (612) 725-6767 or (612) 890-5268.

Medical Technology

THE MEDICAL TECHNOLOGY Society will hold its annual meeting April 29. The dinner will be at the Women's Club of Minneapolis and will begin at 6 p.m. Call 373-2466 for more information.

Education

THE ANNUAL MEETING for the Education Alumni Society will be at the Minnesota Alumni Club, 50th floor, IDS Tower, Minneapolis, May 7. Details will be announced.

General College

THE GENERAL COLLEGE Alumni Society annual meeting will be May 8 at the Midland Hills Country Club. Details will be announced.

Institute of Technology

MEMBERS OF THE Institute of Technology Alumni Society interested in keeping up on what IT is doing will have an opportunity April 21, April 29, and May 7 at luncheon seminars at three locations in the Twin Cities.

Speakers will include Kent Ecklund, commissioner, Minnesota Department of Economic Development. Times and locations will be announced.

Biological Sciences

FOUR LEADERS IN THE field of recombinant DNA technology will discuss their work at the College of Biological Sciences Alumni Society annual meeting May 2 in room 2-650, Health Sciences Unit A.

The program is designed to present the "state of the art" and new horizons in genetic engineering and to provide opportunities for discussion. Alumni are encouraged to attend all seminars.

Here is the program:

1-2 p.m. — "DNA Cloning Techniques," Dr. Joachim Messing, assistant professor, Departments of Biochemistry.

2-2:30 p.m. — Break.

2:30-3:30 p.m. — "Applications of Recombinant DNA Technology to Plant Biology and Agriculture," Dr. Irwin Rubenstein, professor, Department of Genetic and Cell Biology.

3:30-4 p.m. — Break.

4-5 p.m. — "Recombinant DNA Technology in Medicine and Pharmaceuticals," Dr. Anthony Faras, professor, Department of Microbiology School of Medicine.

5-6:30 p.m. — Zoology Reception, Chips Dining Room Spectrum Cafeteria. General reception, Unit A Lounge.

6:30 p.m. — Annual Dinner, Spectrum Cafeteria. Health Sciences Unit A. Special guest speaker, Dr. Robert L. Sinsheimer, chancellor, University of California, Santa Cruz. "Genetic Engineering: The Farther Implications." Dr. Sinsheimer is a scientist of international distinction who achieved a major breakthrough in DNA research by synthesizing in vitro strands of DNA, the universal genetic material in all forms of life. Dr. Sinsheimer's current research interests include the chemical and physical properties of nucleic acids, replication of nucleic acids, bacterial viruses, the biological affects of ultra violet radiation, and ultra violet and infrared spectroscopy.



Sinsheimer

Agriculture

APRESENTATION ON a College of Agriculture team's seven-week trip to China last fall will highlight the Agriculture Alumni Society annual meeting April 10 in the St. Paul campus Student Center.

Dean James Tammen, faculty members and representatives of local corporations, explored agricultural education and research in visits to three major agricultural schools in China. The team also explored further economic development for Minnesota agriculture.

The annual meeting begins with a tour of the St. Paul campus at 3:30 p.m.

A reception will precede dinner and the program beginning at 6 p.m. in the Terrace Cafe of the Student Center.

The classes of 1931, 1956, and 1976 will be recognized.

Veterinary Medicine

TWO OUTSTANDING veterinarians — Dr. James A. Libby of Bloomington and Dr. Charles H. Casey of West Concord — have been recently named award winners.

Minnesota's veterinarians have chosen Libby as their 1981 Veterinarian of the Year. He is a 1959 graduate of the University of Minnesota.

In 1979 he was the first veterinarian appointed by Gov. Al Quie to the State Department of Health advisory board.

He also was associate professor of Public Health at the University. Last year he received the Distinguished Service Award from the Veterinary Medicine Alumni Society.

The society presented its 1981 Distinguished Service Award to Dr. Casey.

He was elected to the University's board of regents in 1979. He is a 1963 graduate of the University, served two years as an army veterinarian, and since 1965 has had a rural practice in the

West Concord area.

He is a member of the West Concord Businessmen's Association, St. Vincent de Paul Church Council, American Legion, Dodge County United Fund, Lions Club, and Board of Education.

CLA & University College

THEME FOR THE annual meeting will be "50 years of Partnership — University College and CLA" and the date is May 19. Although details have not been announced, the meeting will be held at the Campus Club, Coffman Memorial Union.

Nursing

SISTER ANNE Joachim Moore, founder and president of St. Mary's Junior College in Minneapolis, will receive the University's Outstanding Achievement Award at the Nursing Alumni Society annual meeting April 20.

The 21st annual meeting begins at 3 p.m., Monday, April 20th, with a tour of the School of Nursing's new offices in Unit F. Minnesota Alumni Association members will have the opportunity to talk with Dean Ellen Fahy and faculty members, see the new laboratory, and learn about research at the school.

The 5:30 p.m. reception at the Minnesota Alumni Club atop the IDS Tower will be followed by the annual dinner and program, which will feature Dean Fahy and a talk by Sister Anne Joachim Moore.

Members are encouraged to bring a classmate and join the Nursing Alumni Society for an evening of nostalgia, recognition for achievement, and a look into the future of the School of Nursing. For further information call the MAA at (612) 373-2466.



Donovan

Journalism

HEDLEY DONOVAN, '34, will be the featured speaker at a combined Journalism Alumni Society and SDX "Page One Awards" dinner Thursday, May 21 at the Radisson Plaza, St. Paul.

"An outstanding alumnus will be honored along with students and professionals," said Curt Beckmann, president of the society.

Donovan, (Time's Donovan Now a Carter Adviser," *Minnesota* October 1979) who served as a senior adviser for former President Jimmy Carter, began his career as a writer for *Fortune* in 1945. He served as editor in chief of *Time* from 1964 to 1979.

Donovan was born in Brainerd and was graduated from the University of Minnesota in 1934. He later attended Oxford and was a Rhodes Scholar for three years.

Members of the society interested in nominating outstanding individuals for the alumni award should send those names to Frank Schneider by no later than May 1. His address is:

BBD & O

1640 Northwestern Bank Bldg.
Minneapolis, Minnesota 55402

CALENDAR

compiled by Maria Ellard

Alumni Chapters

WASHINGTON, D.C. ALUMNI CHAPTER

April 6

A special evening as the guests of the Ambassador of Finland is planned for chapter members at the Embassy of Finland. Invitations are limited to the first 80 people, at a cost of \$4.00 a person. For further information, contact Leiland Casey, 4212 Thornapple Street, Chevy Chase, Maryland 20015.

HOUSTON ALUMNI CHAPTER

April 9

Roger Staehle, Dean of the Institute of Technology, will visit with area alumni. Further information will follow in the mail.

SUN CITY ALUMNI CHAPTER

April 10

The final dinner meeting of the chapter year will be held for Sun City alumni. New officers will assume responsibilities for a great program. For further information, contact M. F. Kernkamp, 9431 Hutton Drive, Sun City, Arizona 85351.

SUNCOAST ALUMNI CHAPTER

April 25

The spring meeting will highlight alumnus Roger Cowell as program speaker, sharing his experiences as a radio news correspondent. We will also participate in activities which raise funds for the Student Leader Scholarship Fund. For further information, contact Lewis Brown, 2505 B Oakleaf Lane, Clearwater, Florida 33515.

NORTH TEXAS ALUMNI CHAPTER

April 10

The Dean of the Institute of Technology, Roger Staehle, will meet with alumni for dinner at the Summit Hotel, 2645 LBJ Freeway, Dallas. The social hour starts at 7 p.m., and special I.T. alumni gathering starts at 6 p.m. Cost is \$15.00 a person. For further information, call Richard Miner, (214) 387-0718 (home) or (214) 241-0056 (business).

ROCHESTER ALUMNI CHAPTER

April 27

The annual dinner banquet of the chapter will feature Professor Warren Gore of the Rhetoric Department. Entertainment and student recruitment will be included as part of the program. For further information, contact Dean Aschman, 537 17th Street NW, Rochester.

BRAINERD ALUMNI CHAPTER

April 28

A special program on student recruitment will be featured for the annual meeting of the Brainerd Chapter. A great program with information about how alumni can help the University is planned. For further information, contact Maxine Russell, Route 9, Box 49, Brainerd.

CHICAGO ALUMNI CHAPTER

April 30

Younger alumni, note the date. The first younger alumni cocktail party in Chicago will take place at the Times and Seasons, 401 North Michigan Avenue, Chicago, Illinois from 5:30 to 7:30 p.m. Cost is \$2.00 in advance, \$3.00 at the door. For further information, contact Brad Noren, (312) 951-6016.

BOSTON ALUMNI CHAPTER

May 4

Ronald Simon, President of the Minnesota Alumni Association, will be the program speaker. Highlights of the University men's basketball season will be shown in a film, along with a possible visit by Kevin McHale. For further information, contact Jeffrey Schiebe, 3 Rock Point Road, Southboro, Massachusetts. Watch for the details on the Annual Big Ten Night at the Pops in June.

DAYTON ALUMNI CHAPTER

May 8

A full program on the Men's Intercollegiate Athletic Department is planned for the spring dinner. Watch for further details in the mail.

WASHINGTON D.C. ALUMNI CHAPTER

May 9

A full program on the Men's Intercollegiate Athletic Department is planned for the traditional spring gathering. Watch for further details in the mail.

Art Exhibitions

UNIVERSITY GALLERY

NORTHROP AUDITORIUM

AMERICANS IN GLASS

March 30-April 30

AMERICA: 1919-1939

March 30-June 7

FACE TO FACE

May 7-June 15

Hours:

Monday, Wednesday, Friday 11 a.m.-4 p.m.

Tuesday, Thursday 11 a.m.-8 p.m.

Sunday 2 p.m.-5 p.m.

For further information call (612) 373-3424 or 376-3638

GOLDSTEIN GALLERY

ROOM 241, McNEAL HALL OF HOME ECONOMICS

UNDERGRADUATE DESIGN STUDENT EXHIBITION

April 6-24

LARKIN/LARKIN/LARKIN PRINTS AND DRAWINGS

May 1-29

COSTUME DESIGN EXHIBITION

June 5-26

OTTO THIEME, 100 YEARS OF FLOOR COVERINGS

July 6-Sept. 11

Hours:

Monday-Friday 8 a.m.-4:30 p.m.

For further information, call (612) 373-1032

JAGUES GALLERY

JAMES FORD BELL MUSEUM OF NATURAL HISTORY

ENERGY THE SWEDISH WAY

February 8-April 5

Hours:

Tuesday-Saturday 9 a.m.-5 p.m.

Sunday 1 p.m.-5 p.m.

For further information, call (612) 373-2423

THE GALLERY AND NORTH STAR GALLERY

STUDENT CENTER, ST. PAUL

THE NEW STUFF: PAINTINGS BY LINDA POLARI AND RUS THOMAS

March 9-April 3

Hours: THE GALLERY

Monday-Friday 9 a.m.-10 p.m.

Saturday, Sunday Noon-5 p.m.

THE NORTH STAR GALLERY

Monday-Thursday 7 a.m.-11 p.m.

Friday, Saturday 7 a.m.-12 p.m.

Sunday Noon-11 p.m.

Concerts

SCHOOL OF MUSIC

SPRING INAUGURAL SERIES

UNIVERSITY OPERA THEATER, VERN SUTTON, DIRECTOR:

Una Cosa Rara (An 18th century opera by Vincenzo Martin Y Soler)

8 p.m.

April 3, 4

Scott Hall Auditorium

\$2 students/\$4 non-students

GUITARIST PETER BAIME

1:15 p.m.

April 8

Scott Hall Rm 19

Lecture-Demo on the History and Performance Practice of Flamenco Guitar

RECITAL

GUITARIST PETER BAIME

8 p.m.

April 9

Scott Hall Auditorium

MINNESOTA BRASS QUINTET

8 p.m.

April 12

Scott Hall Auditorium

DR. CLIFFORD MADSEN

April 21

Time and place to be announced

Florida State University Lecture on "Research in Music Behavior: Implications for Music Therapy Practice"

ALTO SAXOPHONIST ART PEPPER

12:15 p.m.

April 27

Scott Hall Auditorium

Lecture-Demonstration

OLIVER LAKE OR LEROY JENKINS

12:15 p.m.

May 4

Scott Hall Rm 19

Lecture-Demonstration

Admission free unless otherwise noted. For further information on School of Music Events, call (612) 376-9093 or 376-8639.

THE ART AND TECHNIQUES OF JAZZ IMPROVISATION

JIM TEN BENSEL, TROMBONE

April 8

GENE ADAMS, TRUMPET

April 19

All demonstrations are on Wednesdays at 2:15 p.m. in Scott Hall Auditorium. For further information, call (612) 376-8639.

MACPHAIL CENTER FOR THE ART, MACPHAIL FACULTY ARTISTS SERIES

GUILLIANI: Grand Sonata, Opus 25: Britten: Phantasy Quartet; Respighi: 11 Tramanto

April 12

The chamber music concerts feature accomplished musicians of the MacPhail Center faculty, a teaching department of Continuing Education and Extension. Programs are held on Sunday, 3 p.m. in the Walker Art Center near downtown Minneapolis. There is no admission charge.

For further information, call (612) 373-1925.

METROPOLITAN OPERA SPRING TOUR REPERTORY AND CASTS

VERDI, LA TRAVIATA

May 18

Thomas Julton conducting, with Catherin Malfitano, Giuliano Ciannella, Sherrill Milnes

PUCCINI, MANON LESCAUT

May 19

James Levine conducting, with Renata Scotto, Ermanno Mauro, Pablo Elvira, Ara Berberian, Phillip Creech

WEILL, RISE AND FALL OF THE CITY OF MAHOGONNY

May 20

James Levine conducting, with Teresa Stratas, Gwynn Cornell, Richard Cassilly, Cornell MacNeil, Paul Plishka, Ragnar Ulfung

MASCAGNI, CAVALLERIA RUSTICANA

May 21

David Stivender conducting, with Galina Savova, Herman Malawood, Mario Sereni

LEONCAVALLO, PAGLIACCI

May 21

David Stivender conducting, with Catherine Malfitano, Ermanno Mauro, Lenus Carlson, Paul Creech

VERDI, REQUIEM

May 22

James Levine conducting, with Renata Scotto, Florence Quivar, Giuliano Ciannella, Paul Plishka

SAINT-SAENS, SAMSON ET DALILA

May 23

Matinee

Neeme Jarvi conducting, with Bruna Baglione, Richard Cassilly, Louis Quilico, Morley Meredith, John Macurdy

MOZART, DON GIOVANNI

May 23
Evening
James Levine conducting, with Johanna Neier, Carol Neblett, Kathleen Battle, David Rendall, Donald Gramm, James Morris, John Macurdy. For further information contact (612) 371-5634 or (612) 376-8378

Courses and Lectures

EXECUTIVE DEVELOPMENT CENTER**DATABASE MANAGEMENT**

May 11-13 (#423)
8525

PRIVATE TRANSPORTATION MANAGEMENT

May 20-22

8425

SEMINARS FOR THE SYSTEMS ANALYST

Phase A, May 18-20

Phase B, May 21-22

\$1,000 Total

These seminars, sponsored by the Graduate School of Business Administration, require early enrollment due to limited class size. For further information, call (612) 373-3837.

EXTENSION COURSES**CREDIT**

Spring Quarter March 30 to June 13

ART AND COMPUTERS (Studio Arts 5410)

4 degree credits, \$136

6:10-9 p.m.

Wednesdays

INTRODUCTION TO POLITICAL PHILOSOPHY (PHILOSOPHY 1004)

5 degree credits, \$97.50

6:20-8:50 p.m.

Wednesdays

HISTORY OF AMERICAN FOREIGN RELATIONS (HISTORY 3883)

4 degree credits, \$92

6:20-8:50 p.m.

Mondays

MARKETING COMMUNICATIONS (MARKETING 3050)

4 degree credits, \$92

6:10-8:40 p.m.

Wednesdays

LEADERSHIP COMMUNICATIONS (SPEECH 3111)

3 degree credits, \$69

6:20-8:50 p.m.

Mondays

ACTING FOR NON-THEATRE MAJORS (THEATRE ARTS 1301)

4 degree credits, \$78

9 a.m.-12 noon

Saturdays

DRAFTING: BASIC DRAFTING TECHNIQUES (DESIGN 1550)

4 degree credits, \$79

6:20-8:50 p.m.

Wednesdays and Thursdays

This is only a partial list of the credit courses offered by the Extension School. For more information on other courses and registration, phone (612) 376-3000 to request a copy of the Extension Class Bulletin.

NON-CREDIT**MUSIC: HOW TO LISTEN TO IT (IC 0113) \$36**

7-9 p.m.

Tuesdays

MANAGING YOUR OWN FUTURE (IC 0538) \$25

6:30-8:30 p.m.

Tuesdays

THE FABULOUS ISLAND CONTINENT ATLANTIS IN FACT AND FICTION (IC 0318) \$30

7-9 p.m.

Tuesdays

FRENCH FOR TRAVELERS (IC 0582) \$28

7-8:40 p.m.

Wednesdays

RECLAIMING A PERSONAL PAST: WRITING THE HISTORY OF YOUR FAMILY (IC 0578) \$32

7-9 p.m.

Thursdays

VEGETABLE GARDEN PLANNING AND PLANTING (IC 0242) \$35

7-9 p.m.

Tuesdays

This is only a partial list of the non-credit courses offered by the Extension School. Informal courses are non-credit, noncompetitive short courses offered for your enjoyment. There are no exams or grades. For further information on other courses and registration, phone (612) 376-3000 to request a copy of the Extension Class Bulletin.

BELL MUSEUM OF NATURAL HISTORY**1981 NATURAL HISTORY PROGRAM SERIES****NON-CREDIT****ABOUT BATS**

Elmer Birney, Curator of Mammals, Bell Museum of Natural History

April 8

7:30-8:30

The approximately 875 species of bats in the world comprise more than one fifth of the known species of living mammals. Where do they live, and what is known of their diets, their activity patterns and their mating systems? How many species live in Minnesota, and how does this compare to other places in the world? How do bats fly? These are some of the questions Dr. Birney will address.

RECENT DISCOVERIES IN ASTRONOMY

Kris Davidson, Associate Professor, Astronomy Department

April 15

7:30-8:30

In recent years astronomers have made many exciting discoveries about the universe. Dr. Davidson will discuss many of the new theories in astronomy, including the connection between quasars and black holes, and the possibility that a large fraction of the mass of the universe is invisible.

FURS, BONES, AND TEETH: ACTIVITIES FOR PRE-SCHOOLERS AND THEIR PARENTS

May 17, June 7

2:00-3:00 p.m.

The Touch and See Room is an ideal place for young children to explore. Where else can preschoolers try on deer antlers, pet a wolf, or crawl beneath a bear fur? (Not to mention hunt for the softest fur or the biggest animal in the world!) All activities are especially suited to children aged 2-5, and their parents. Reservations required.

The Museum and Continuing Education and Extension jointly sponsor a series of non-credit courses in various natural history subjects. These are 5-8 week courses with evening lectures and weekend field trips. For information, call (612) 373-2423. Other courses offered on April or May on a non-credit basis are:

A MORNING WITH SHARP-TAILED GROUSE

April 25

THE RISE AND FALL OF THE KOJIWA CLAN: A NATURAL HISTORY OF JAPANESE MACAQUES

May 6

MACAQUE WATCH

May 9

CHARLES DARWIN: FROM THE VOYAGE OF THE BEAGLE TO THE THEORY OF EVOLUTION

May 20

ATTRACTING BIRDS TO YOUR YARD

April 5-26

SUN DAY FAIR: May 31

May 31

SAMPLER LECTURES**MAJOR ACHIEVEMENTS IN VIKING ART**

April 1

PERSONAL FINANCE PLANNING

April 6

(This lecture will be held at 7 p.m. in room 229-237 at Minnetonka High School, 18301 Highway #7, Minnetonka.)

AGING PARENTS: COMMUNICATING AND UNDERSTANDING

April 8

CHILD ABUSE AND NEGLECT

April 16

(This lecture will be held at 7 p.m. in room 129, Parkview Junior High School, 701 West County Road B (at Dale), Roseville)

AMERICAN MUSICAL THEATER: PAST, PRESENT AND FUTURE

April 22

TO BEND AND NOT TO BREAK: INTRODUCTION TO PRAIRIE NATURAL HISTORY

May 5

CANOEING INTO THE PAST

May 13

JAPANESE PRINTS

May 19

THROUGH THEIR EYES: INTERNATIONAL STUDENTS VIEW THEIR COUNTRY AND THE WORLD

May 26

HISTORICAL ST. PAUL: A SLIDE TOUR OF ARCHITECTURAL TREASURES

May 28

All lectures are held at the Earle Brown Continuing Education Center at 7:30 p.m. (unless otherwise noted). No preregistration is required; admission is \$1 payable at the door.

ELDERHOSTEL 1981**PERSONAL EXPRESSION THROUGH PHOTOGRAPHY: SMALL TOWN ON THE PRAIRIE: GEOLOGY AND THE GEOLOGIC HISTORY OF MINNESOTA**

July 12-17

University of Minnesota-Morris

CREATIVE WRITING: MORAL ISSUES IN HEALTH AND LAW: GRAVITATION, OR: HOW THE MEEK INHERITED THE UNIVERSE

July 12-17

University of Minnesota-Twin Cities

CREATIVE WRITING: MORAL ISSUES IN HEALTH AND LAW: SCENIC GEOLOGY

July 19-25

University of Minnesota-Twin Cities

ECOLOGY OF THE RED RIVER VALLEY AND ADJACENT AREAS; CALLIGRAPHY: SOUTH AMERICA: FROM THE INCAS TO THE PRESENT

July 26-31

University of Minnesota-Crookston

CREATIVE WRITING: MURDER, MYSTERY, AND MAYHEM: WHODUNIT? GRAVITATION, OR: HOW THE MEEK INHERITED THE UNIVERSE

July 26-31

University of Minnesota-Twin Cities

THE INDIVIDUAL AND THE STATE: THE ATMOSPHERIC ELECTRICAL PICTURE OF OUR EARTH: LANDSCAPE DRAWING

August 2-8

University of Minnesota-Duluth

LANGUAGE AS A REFLECTION OF CULTURE; MANAGING STRESS: EXERCISE, HEALTH AND VITALITY

August 9-15

University of Minnesota-Duluth

HORTICULTURE: PLANT PROPAGATION, HOUSEPLANTS, AND HOME LANDSCAPING; SAUDI ARABIA: THE SHIFTING SANDS OF THE DESERT: QUILTING

August 16-22

University of Minnesota-Crookston

The courses are offered at 22 college campuses through Minnesota. The dates for the programs are tentative. For more information please call (612) 376-2704 or write to Minnesota Elderhostel, 201 Westbrook Hall, University of Minnesota, 77 Pleasant Street SE, Minneapolis, MN 55455.

Dance

MERCE CUNNINGHAM DANCE COMPANY

April 25

8 p.m.

"Never to have seen a Cunningham program is to have missed one of the revolutionary turns in the road of contemporary dance," writes

one of the country's foremost dance critics. "In his fragmented dissociated way, Mr. Cunningham has taught both dancers and audiences to regard dance differently. A regular dancer who passes up the Cunningham experience is not a very daring one."

DANCE THEATRE OF HARLEM

May 2
2 p.m. and 8 p.m.
May 3
2 p.m. and 8 p.m.

This newcomer to the Northrop season is acclaimed for its contemporary and classical repertoire, and for its marvelous dancers who convey the true feeling that dance is their language. The company's variety and vitality are a credit to Arthur Mitchell, founder and artistic director (with Karel Shook). Mitchell's choreography of SWAN LAKE II is one of the company's showpieces.

TWYLA THARP DANCE COMPANY

May 15 and 16
8 p.m.

"Surprise is the lifeblood of Tharp's choreography. Sometimes she makes a whole dance about a way-out idea, and sometimes she threads clashing ideas throughout an entire dance" (Marcia Siegel). Best of all, the dances she creates are amply endowed with elasticity to take advantage of her talented dancers' individuality.

Tickets are available at Dayton's and the Northrop Ticket Office, 105 Northrop Auditorium, 84 Church Street S.E., Mpls., Minnesota 55455. For further information call (612) 373-2345.

Film

UNIVERSITY FILM SOCIETY

THE CHANT OF JIMMIE BLACKSMITH

7:30, 9:40 p.m.
April 3-15

A powerful, heartbreaking story of what can happen when two cultures collide. Based on an Australian novel about Jimmy Governor, a half-aborigine who went on a rampage and killed seven whites in 1900, the year of Australia's federation.

Screenings are held at the Bell Museum except as noted. Admission is generally \$2.25-\$2.75 with a dollar discount for Society members. For further information call (612) 373-5397.

Men's Sports

BASEBALL

ST. OLAF, SIEBERT FIELD

1:00 p.m.
April 1

EAU CLAIRE, SIEBERT FIELD

1:00 p.m.
April 4

STEVENS POINT, SIEBERT FIELD

2:00 p.m.
April 7

ORAL ROBERTS, TULSA, OK

6:00 p.m.
April 10

ORAL ROBERTS, TULSA, OK

1:00 p.m.
April 11

OKLAHOMA STATE, TULSA, OK

1:00 p.m.
April 12

LACROSSE, SIEBERT FIELD

1:00 p.m.
April 14

NORTHWESTERN, EVANSTON, ILL.

1:00 p.m.
April 18

NORTHWESTERN, EVANSTON, ILL.

1:00 p.m.
April 19

MANKATO STATE, SIEBERT FIELD

2:00 p.m.
April 22

ILLINOIS, SIEBERT FIELD

1:00 p.m.
April 25

ILLINOIS, SIEBERT FIELD

1:00 p.m.
April 26

WINONA STATE, SIEBERT FIELD

2:00 p.m.
April 28

ST. CLOUD, SIEBERT FIELD

2:00 p.m.
April 29

IOWA, IOWA CITY

1:00 p.m.
May 2

IOWA, IOWA CITY

1:00 p.m.
May 3

WISCONSIN, SIEBERT FIELD

1:00 p.m.
May 9

WISCONSIN, SIEBERT FIELD

1:00 p.m.
May 10

BIG TEN PLAYOFF (site of Eastern Division Winner) May 16

REGIONAL PLAYOFF

May 22 & 23

TENNIS

INDIANA, MINNEAPOLIS

3:00 p.m.
April 3

OHIO STATE, MINNEAPOLIS

7:00 p.m.
April 4

MICHIGAN, ANN ARBOR

3:00 p.m.
April 10

MICHIGAN STATE, EAST LANSING

1:00 p.m.
April 11

ST. OLAF, MINNEAPOLIS

3:00 p.m.
April 14

PURDUE, MINNEAPOLIS

3:00 p.m.
April 17

ILLINOIS, MINNEAPOLIS

1:00 p.m.
April 18

CARLTON, MINNEAPOLIS

3:00 p.m.
April 20

WISCONSIN-EAU CLAIRE, MINNEAPOLIS

2:00 p.m.
April 21

IOWA, IOWA CITY

3:00 p.m.
April 24

NORTHWESTERN, EVANSTON

1:00 p.m.
April 25

ST. THOMAS, MINNEAPOLIS

3:00 p.m.
April 27

GUSTAVUS, MINNEAPOLIS

3:00 p.m.
April 27

GUSTAVUS, MINNEAPOLIS

3:00 p.m.
April 28

IOWA STATE, MINNEAPOLIS

3:00 p.m.
May 29

WISCONSIN, MADISON

1:00 p.m.
May 2

BIG TEN CHAMPIONSHIPS, ANN ARBOR

May 8-10

NCAA'S, ATHENS, GEORGIA

May 18-25

All home matches are at Bierman Outdoor Courts unless otherwise noted.

OUTDOOR TRACK AND FIELD

TEXAS RELAYS, AUSTIN, TEXAS

2 & 12:30 p.m.
April 3-4

WICHITA INVITATIONAL, WICHITA

1:00 p.m.
April 11

KANSAS RELAYS, LAWRENCE

1 & 12:30 p.m.
April 17-18

DRAKE RELAYS, DES MOINES, IOWA

10 & 12:30 p.m.
April 24-25

MINNESOTA INVITATIONAL, MINNEAPOLIS

9:30 p.m. May 2

LAST CHANCE, MINNEAPOLIS, MN

12:30 p.m.
May 9

BIG TEN OUTDOOR, EAST LANSING

4:30 & 1:00 p.m.
May 22-23

TFA-USA, WICHITA, KANSAS

May 29-30

NCAA, BATON ROUGE

June 4-5

SWIMMING

NATIONAL AAU AT BOSTON

April 8-11

For further information on men's athletic events, call (612) 373-5236.

Theater

CAMINO REAL

By Tennessee Williams

April 24-May 10
Rarig Theater

Women's Sports

SOFTBALL

SOUTHWEST MISSOURI STATE INVITATIONAL, SPRINGFIELD, MISSOURI

April 3-4

SOFTBALL HOSTS WINONA STATE

2:00 p.m.
April 8

NEBRASKA CORNHUSKER TOURNAMENT, LINCOLN, NEB.

April 10

BIG 10 CHAMPIONSHIP, EVANSTON, ILLINOIS

April 17-18

MINNESOTA INVITATIONAL, MINNEAPOLIS, MN

April 24-25

SOFTBALL HOSTS IOWA STATE

6:00 p.m.
April 27

SOFTBALL HOSTS ST. CLOUD STATE

3:00 p.m.
April 28

TENNIS

TENNIS HOSTS ST. CLOUD STATE

2:00 p.m.
April 1

TENNIS, MADISON, WISCONSIN

April 3-4

TENNIS HOSTS CARLTON

4:00 p.m.
April 8

TENNIS, AMES, IOWA

April 17-18

THE BIG 10 CHAMPIONSHIP, COLUMBUS, OHIO

April 24-26

TRACK

HUSKER INVITATIONAL, LINCOLN, NEB.

April 4

ILLINOIS INVITATIONAL, CHAMPAIGN, ILLINOIS

April 11

MIDWEST OPEN, CHARLESTON, ILLINOIS

April 18

DRAKE RELAYS, DES MOINES, IOWA

April 24-25

UW-RIVER FALLS INVITATIONAL, RIVER FALLS, WIS. April 25

GOLF

MARSHALL UNIVERSITY INVITATIONAL, HUNTINGTON, WEST VIRGINIA

April 17-18

IOWA INVITATIONAL, IOWA CITY, IOWA

April 24-25

GYMNASTICS

AAU NATIONAL CHAMPIONSHIP, SALT LAKE CITY, UTAH April 9-11

For more information on women's athletic events, call (612) 373-2255.

CLASS NOTES

by Maria Ellard

17 Dr. John E. Connell is retired and lives in Superior, Wisc.

19 Mae Buekeye is an artist. A painting of hers will be presented at the American Indian's breakfast in Washington, D.C.

Harold S. Langlard is the board chairman for Stanley Iron Works, Inc.

20 O. M. Jorgenson is retired and living in Billings, Mont.

24 W. M. Somers is retired and living in Ely, Minn.

25 Dr. Paul M. Oberg is retired and lives in LaJolla, Calif.

28 Ralph E. Kennedy is retired and lives in Edina.

Robert O. Paulson is retired from Sperry Univac after 37 years and is living in San Pedro, Calif.

29 William B. Bjornstad is retired and lives in Des Moines, Iowa. He is professor emeritus of English at Drake.

Lawrence B. Ritter is a semi-retired consulting forester. He is the membership secretary and treasurer for the Minnesota Forestry Association.

Hildur P. Hollander runs the Hollander Publishing Co. and the Hollander Construction Quality Homes.

Fern Crane is a volunteer at Morris Museum, Madison, N.J.

30 Ralph Lorenz received the professor emeritus award in forestry from the University of Illinois.

Claire F. Shinder is a retired social worker in Phoenix, Arizona and is active in the community as a volunteer for geriatrics and braille.

Elsa C. (Sundberg) Christopherson, Minneapolis, is a retired high school teacher.

31 Leon J. Bach is retired and lives in St. Paul. He is involved with the Volunteer Income Tax Assistant program for senior citizens and does other volunteer work.

32 Clarence E. Johnson, Sacramento, Calif., is retired from the U.S. Bureau of Reclamation after 32 years' service, and he is retired from the U.S. Army.

33 Walter T. Nicholson is retired and lives in Coloma, Mich.

34 Walter B. Hotvet, Minneapolis, is retired from General Mills Inc., Minneapolis.

35 Russell A. Bowen, Moraga, Calif., is working with Real Estate Investment in Hawaii and California. He is a retired captain and supervisor of flight operations for TWA, San Francisco. He also is a retired U.S. Marine Corp Reserve brigadier general.

36 Dr. Sidney C. Pratt, Helena, Mont., is chief of the maternal and child health bureau for the Montana State Health Department, Helena.

37 Dr. Louis A. Benesh has a private medical practice in Elk River.

38 Harold R. Emerson, Hayward, Wis., is semi-retired as technical director of Chippewa Industries Inc., Hayward.

39 Otto Greven, Minneapolis, is senior vice president of Donaldson Company Inc., Minneapolis.

40 Otto Walter Quale, Naples, Fla., is president of Pelican Pines Corp., Naples.

Vance Nordeen Torgerson, Adams, Minn., is president of Farmers State Bank of Adams.

Dr. Michael Allen Wainstock, Bloomfield Hills, Mich., is a clinical ophthalmology professor at the University of Michigan, Ann Arbor, Mich.

William James White, Saskatoon, Saskatchewan, Canada, is retired from the University of Saskatchewan, Saskatoon. He last served as dean of agriculture at the university.

Donald Dodge Warner, Palos Verdes Estates, Calif., is vice president of Northrop Corp., Los Angeles.

Dr. Earl Howard Wood, Rochester, is a physiology and medicine professor at Mayo Medical School, Mayo Clinic, Rochester.

Allen Francis Reid, Geneseo, N.Y., is professor and chairman of the department of biology at the State University of New York, Geneseo. He is a member of the American Physical Society, the American Association of the Advancement of Science, the American Association of Cancer Research and the New York Academy of Science.

Robert John Sherman, Edina, is in industrial sales with The Connor Co., Edina.

William Carlson Sears, Springfield, Ohio, is vice president and general manager of Elliott Co., a division of Carrier Corp., Springfield.

Bruce Charles Stone, Minneapolis, is a district court judge in Minneapolis.

Milton L. Snyder, Edina, is vice president and corporate director of the First Bank System Inc., Minneapolis.

Harriet (Heenan) Witesman, Tucson, Ariz., is an interior designer for Harriet Witesman Interior Designing, Tucson.

Henry F. Waring, Rogers, Ark., is vice president of research and development for the Daisy Division of Walter Kidde and Co., Rogers.

Quentin F. Soper, Indianapolis, is a research adviser for Eli Lilly and Co., Greenfield, Ind.

Robert E. Straub, Palo Alto, Calif., is retired after 20 years with United Airlines, San Francisco. He last served as manager of mechanical engineering in the maintenance operations division of the San Francisco Airport.

Merton P. Quist, St. Paul, is a pilot for 3M Co., St. Paul.

Isadore Elizabeth (Coward) Shipman, Polson, Mont., is retired from the Bureau of Indian Affairs, Ronan, Mont.

Bruce Douglas Smith, Minneapolis, is president of Harry P. Smith Company Inc., Minneapolis.

Carl William Tiller, Teaneck, N.J., is director of The Interchurch Center, New York. He has been on the faculties of several universities and has served with the U.S. Office of Management and Budget and the Baptist World Alliance.

Charlotte Gene Westberg, Bryan, Texas, is staff vice president of Republic Airlines Inc., Minneapolis.

Charles S. Strom Jr., Rome, N.Y., is retired from the U.S. Air Force's Rome Air Development Center, Griffiss Air Force Base. He is a member of the Institute of Electrical and Electronic Engineers.

Harold John Swift is semi-retired and lives in Austin, Minn.

Betty L. (Martin) Rosen, San Diego, is personnel programs specialist for the San Diego unified school district.

Bernard I. Sather, Westlake, Ohio, is a research engineer for the National Aeronautics and Space Administration, Cleveland.

Dorothy F. Steinmetz, Minneapolis is retired from the Minneapolis public school system.

Flora May Roth is retired and lives in Arlington, Va.

Phyllis Lorraine (Toepke) Schneider is retired and lives in Mesa, Ariz.

Mary Elizabeth (MacNaughton) Taylor, Minnetonka, is a home economist for General Mills Inc., Minneapolis.

James A. Skoog, Mercer Island, Wash., is retired from Boeing Co., Seattle.

Lura Elizabeth (Huntington) Webb, Paynesville, Minn., has been a partner in the Paynesville Our Own Hardware Co. for 36 years.

Wallace W. Wilcox, Menlo Park, Calif., is retired as manager of facilities planning at United Airlines' maintenance operations center at San Francisco International Airport.

William Saltzman, Minneapolis, is an art professor at Macalester College, St. Paul. He has a private studio and has displayed his work locally, regionally and nationally.

David F. Thomas, West St. Paul, is vice president of Waterous Co., South St. Paul.

John Russell Romlin is retired and lives in Minneapolis.

Wayne Louis Ruedy, Edina, is retired vice president of Brechet and Richter Co., Minneapolis.

Rhea Sylvia (Gran) Wendt, Marion, Ind., is a reading consultant for the Marion community schools.

Henry Robertson Santo, St. Paul, is retired from Burlington Northern Inc., St. Paul.

Dorothy F. Steinmetz, Minneapolis, is retired from the Minneapolis public school system.

Dr. James A. Rynning, Herman, Minn., has a private dental practice.

Ledyard M. Whitehead, Sherburn, Minn., is an attorney in Sherburn.

Francis T. Tillemans, Minneapolis, is retired as sales engineer for Westinghouse Electric Corp., Minneapolis.

A. Tyler Upham, San Marino, Calif., is retired from Time Inc., New York. He is a freelance consultant to magazine publishers.

Albin Gert Seaberg, Highland Park, Ill., is manager of the marketing services and publications division of Fansteel Inc., North Chicago.

Robert Karl Skoog, Fairview Park, Ohio, is retired from the National Aeronautics and Space Administration, Cleveland.

Anthony Eugene Squillace, Gainesville, Fla., is an adjunct professor at the University of Florida, Gainesville.

Ethelyn Joan (Kempe) Rupp, St. Paul, is a wild rice broker to

numerous local restaurants.

Marian G. Sandberg, Zumbrota, Minn., is secretary of the Charles Olson Co., Zumbrota.

Harold K. Savre, Granite Falls, Minn., is a retired teacher from Virginia Community College, Virginia, Minn. He is a member of the Kiwanis Club, the Minnesota Association of Secondary School Principals and the Minnesota Education Association.

Sarah Theodora Halgren, Minneapolis, is retired from the University City, Mo., public schools. Her travels have taken her to all 50 states and to every continent except Africa.

Fern L. (Ostrom) Hedenstrom, St. Louis Park, is retired from the Minneapolis board of education.

Donald Arthur Hermanson, Pleasantville, N.Y., is retired from Mobil Oil Corp., New York.

Dr. William Hollenhorst, Rochester, is retired from Mayo Clinic, Rochester. He is a member of the American Academy of Ophthalmology, the American Ophthalmological Society and is director of the Amer-

Elizabeth S. (Carter) Bryan, retired in June as student services administrator for The Blake Schools, Minneapolis.

Mary (Wallace) Burwell and her husband *William Donald Burwell*, Hot Springs, Ark., own The Hearing Aid Place in Hot Springs.

Merle Robert Getten, Grand Island, Neb., is store development manager for Nash Finch Co., Grand Island.

William H. Doepke, Minneapolis, is president of Doepke Building Movers, Minneapolis, and is on the board of regents of Golden Valley Lutheran College, Minneapolis.

Donald W. Drewes, Stewartville, Minn., is cemetery planner and consultant in his own business, Donald W. Drewes & Associates, Stewartville. He is a member of the American Cemetery Association, the National Association of Cemeteries, and the Minnesota Association of Cemetery Officials. He has designed 200 cemeteries in 31 states, Mexico and Canada and has written a book on cemetery land planning.

Norvin Edward Ekrem, Stillwater, is retired director of bridge engineering for Burlington Northern Inc., St. Paul. He is a member of the American Railway Engineering Association.

Nordahl Olberg Ellefson, Spartanburg, S.C., is a retired plant engineer for Firestone Steel Products Co., Spartanburg.

Elizabeth (Lothrop) Barron, Carmel, Calif., is a journalist for *Monterey Life Magazine*, Monterey Bay

Publishing Co. and the *Big Sur Gazette*, Pacific Grove, Calif. She is also a painter and has written three books.

Nymar K. Dunbar, Richfield, is retired from the accounting department of Ford Motor Co., St. Paul.

Sister Alice Bear, Minneapolis, is a part-time pharmacist at St. Mary's Hospital, Minneapolis.

Edward John Dvorak, St. Paul, is assistant director of the Boynton Health Service at the University of Minnesota, Minneapolis. He is a member of the American Public Health Association and the American College Health Association.

Harry William Edwards, Great Falls, Va., is membership development director of the American Newspaper Publishers Association, Washington.

Kathleen (Kinsmiller) Flihr, Edina, retired, is a free-lance consultant to the arts, and is a board member and past president of the American Community Theatre Association.

Bette Ann (Simonson) Anderson, La Jolla, Calif., is a part time psychiatric nurse at Mesa Vista Hospital, San Diego.

Henry W. Dahlbert Jr., Glenview, Ill., is owner of Insignia Products and Services, Glenview. He is a member of the American Institute of Chemical Engineers and Data Processing Managers Association.

Eunice Marie (Pettner) Davis, Kirkland, Wash., has been an office charge nurse in Seattle since 1959.

Albert Robert Diesslin, Woodbury, is a retired chemical plant manager for 3M Co., St. Paul. He is a member of the American Institute of Chemical Engineers.

Dr. Richard Audrey Anderson, Pasadena, Calif., is retired from his private medical practice.

Kay C. (Braverman) Burnstine, Northridge, Calif., is retired from California's public health department, Sacramento, Calif. She is a member of the American Physical Therapy Association.

Lawrence Hersey Catron, Minneapolis, is retired from the University of Minnesota, Minneapolis. He is a community resource volunteer and presents slide lectures on city planning and river development to civic groups and public school classes.

Kenneth Rhodes Byerly, Lewistown, Mont., is publisher of the *Lewistown News Argus*. He is professor emeritus of the school of journalism at the University of North Carolina.

Janet (Fulton) Bateman, Fergus Falls, Minn., is retired from the state of Minnesota's department of health, Minneapolis. She is a member of the American Nurses Association, the National League for Nursing and the Minnesota Public Health Association.

Frederick Carl Beyer, Glenview, Ill., is retired from Borden Mystik Tape Co., Northfield, Ill.

Alfred A. Frantz, New York, is retired from the Insurance Information Institute, New York. He travels extensively and is writing a book on his wartime and other travels.

William Loudon Fry, Fairfield, Iowa, is retired from Loudon Machinery Co., Fairfield.

Marjorie Jane (Malland) Engels is retired and lives in Minneapolis.

Harold Fischbein, Edina, is retired president of Dave Fischbein Co., Minneapolis.

Gustave Helnemann, New Braunfels, Texas, is retired from the chemical division of PPG Industries Inc., Corpus Christi, Texas.

Arthur Hartvig Aarhus is practicing dentistry in Sarpsborg, Norway.

Mark W. Bancroft, Marcus, Iowa, is semi-retired. He is a member of the American, Iowa State and Cherokee County Bar Associations, the Lions Club and the Retired Officers Association.

Lloyd Russell Comstock is retired after a career as public school teacher, principal and superintendent. He lives in Seattle.

Erwin Henry Diederich, West St. Paul, is retired from Swift and Co., South St. Paul.

Susan Millicent (Finch) Graetz is retired and lives in Lancaster, Pa.

Leonard Herbert Hauer, Mission Viejo, Calif., is the former registrar at the College of St. Thomas, St. Paul.

George Edward Hinz, Minneapolis, is retired from Broadway Auto Electric Co., Minneapolis.

Fred Martius Andresen, Hopkins, is retired as sales manager at Northwestern Distributing Company Inc., Mason City, Iowa.

Louis Harry Auerbach, Van Nuys, Calif., is president of Louis H. Auerbach Accountancy Corp., Sherman Oaks, Calif.

Lloyd Norman Bennes, Sun City, Ariz., is a salesman for A. L. Harris Real Estate Co., Peoria, Ariz.

Isabel Esther (Rosenstein) Berman, Minneapolis, is retired as psychologist for the city of St. Paul's board of education.

Dr. William Branstad, St.

Paul, is practicing dentistry in St. Paul. He is a member of the American Dental Association and the American Academy of Restorative Dentistry.

Joseph J. Bright, St. Paul, is retired revisor of statutes for the state of Minnesota, St. Paul.

Gilbert Reinhold Brown is retired and lives in Lutsen, Minn.

Helen (vonLehe) Brueland is retired and lives in Bingham Lake, Minn.

Alice (Belzer) Bundt, Minneapolis, is a retired blood banking specialist from the War Memorial Blood Bank, Minneapolis. She is working part time as a medical technologist.

Mae Josephine (Lahti) Burington is retired and lives in Green Valley, Ariz. She has traveled throughout the United States, Scandinavia, Northern Europe and the South Pacific.

Dr. Verne William Carlson, Orange, Calif., is a self employed physician. He is a member of the Orange County Medical Society, the California Medical Society and the American Medical Association.

Russell Stoddard Cheney, Galesville, Wis., is retired from the Chicago, Milwaukee, St. Paul and Pacific Railroad, Milwaukee, Wis.

Lyle A. Christensen, Leawood, Kansas, is retired as sales manager and vice president of sales for The Marley Co., Mission, Kan.

Donald Ries Bayers, Minneapolis, is a retired manufacturers representative.

Harvey J. Brekke, Edina, is retired from the Lutheran Brotherhood Life Insurance Society, Minneapolis. Since retirement he and his wife have traveled to 10 countries including Turkey, Kenya, Argentina, Australia and Norway.

Martha Lucille (Gove) Bunn is retired and lives in Lakeland, Fla.

Dr. Idar Johan Herring, Edina, is practicing dentistry in Minneapolis. He is a member of the Minnesota State and American Dental Associations.

Carl Edward Horn, Sacramento, Calif., is an orthopedic surgeon in Sacramento.

Ralph N. Bearman, Minneapolis, is retired president of Minneapolis Glass Co., Plymouth. He is on the Senior Citizens Centers Inc. board, Minneapolis, and serves on the United Way assessment panel. He also is a member of the senior citizens advisory board to the mayor and city council.

Dr. U. Schuyler Anderson, Edina, is a retired surgeon from the Minneapolis Veteran's Administration Hospital.

Mildred Eunice (Nelson) Edwins, St. Petersburg, Fla., is retired from Kemper Insurance Co., Summit, N.J.

Vernon Ellsworth Anderson, Carmel, Calif., is professor emeritus of the college of education at the University of Maryland, College Park, Md.

Louis Clay Bradshaw is semi-retired and lives in Paonia, Colo.

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An economist and management theorist heads CMU

A Presidential Archetype

Dick Cyert, '43, came to the University of Minnesota campus to interview for the job as president.

He was one of three finalists, but withdrew from serious consideration before the Board of Regents made a final decision.

That was in 1974.

If he had taken the job, what kind of president would he have been at Minnesota?

An impossible question to answer.

But a look at the man and his presidency at Carnegie-Mellon University, Pittsburgh, Pa., might offer some insight into the man and his effectiveness.

Richard Michael Cyert is a scientist internationally noted for his work in economics, behavioral science and management.

After putting himself through school in 1943 at the University of Minnesota, he went on to receive a doctorate from Columbia University.

He was born July 22, 1921, in Winona, Minn., and once told a reporter for the *New York Times* that he still remembers having to sleep on the floor in a Minneapolis slum while his father was an un-



Alumnus Dick Cyert is president of Carnegie-Mellon University, Pittsburgh.

employed salesman during the Depression.

"I grew up with tremendous financial insecurity," he told the *Times*. "It was a long time before I could relax about money. So I have a natural tendency to take a bad financial situation and fix it up."

And that's exactly what he did at Carnegie-Mellon when he became president in 1972. In two years the school had lost \$3.5 million.

The first year he took a \$800,000 deficit and turned it into a \$150,000 surplus on a budget of about \$40 million.

He scrapped plans for a new \$4.7-million art building, cut the staff to 1,500 from 2,000; and sold the 22-room president's mansion.

A professor said later, "Dick Cyert is not only CMU's financial

savior. He has become, for better or worse, its philosopher-king."

He was once described as small and sad-countenanced, with shy yet expressive eyes. He does not stand out in a crowd. His speech is halting and commonplace, and in his hands a joke is mangled beyond repair long before its punchline.

He doesn't smoke or drink, has three daughters, jogs and races up six flights to his office.

"Talking to him," a freelance writer wrote, "one has the impression of a man totally without pretense — there are no calculating silences or evasive digressions, only a quiet monotone of seemingly uncontrolled candor."

"He has been known to caution aides to secrecy in the morning, then spill the offending information to reporters in the afternoon."

"His compulsion to communi-

Coates Preston Bull Jr. is retired from St. Regis Paper Co. Inc., New York, and lives in Vero Beach, Fla.

Donald W. Collins is a retired pharmacist and lives in Bird Island, Minn.

Ivan Richard Dawson, Glen Ellyn, Ill., is a consulting engineer. He is retired from the Aluminum Company of America, Pittsburgh. He belongs to the Society of Automotive Engineers and the American Society for Metals.

Adelne (Tenzer) Fremland, St. Paul, is retired as secretary and feature writer for the *American Jewish World*, Minneapolis.

Milla Kara (Jacobsen) Garretson is retired from the Watertown, N.Y., public school system. She lives in Turin, N.Y.

Henry Frank Conner, Little Rock, Ark., is retired from Worthington Corp., Atlanta.

William Joseph Conroy, Edina, is executive secretary for The Calix Society, Minneapolis.

Richard John Cotton, Detroit, is retired as engineer for the Federal Communications Commission of the U.S. government, Detroit.

Dr. Gordon H. Ekblad, Walnut Creek, Calif., is retired after serving in the U.S. Navy for 30 years.

Sidney S. Feinberg, Edina, is an attorney and partner with the Minneapolis law firm of Robins, Davis and Lyons. He is a member of the Minnesota and American Bar Associations, and is director of the Legal Aid Society of Minneapolis.

William J. Field, Edina, is retired after serving nearly 40 years in

engineering for Sperry Univac, St. Paul.

Eva Borghild (Senson) Coulter, Edina, is retired personnel manager for General Mills, Minneapolis. She is a member of the Women's Club of Minneapolis and the Minnesota Alumnae Association.

Curtiss Edmund Crippen, Wilmette, Ill., is retired president of The Milwaukee Road, Chicago.

Dorothy Louise (Fournet) Cowlshaw is a retired high school teacher. She lives in Salem, Ore.

Dr. K. F. Ernst is retired from the California department of public health. He lives in Tiburan, Calif.

John C. Feuling is retired and lives in Sun City, Ariz. He had been an orthopedic surgeon in Duluth for 20 years.

ate reaches out to students, too. He lunches with groups chosen at random, answers gripes at student meetings and has office hours for student walk-in conferences. He is the star of a phone-in talk show on the CMU radio station."

Cyert joined the CMU faculty in 1948 as an instructor in economics. Later he became the head of the department of industrial administration and finally dean of the Graduate School of Industrial Administration (GSIA). He served as dean until he became president.

Cyert, and two colleagues, are founders of GSIA, which is ranked nationally among the top five graduate business schools.

It was their thinking that challenged the traditional Harvard University case study method of business education.

When it comes to his philosophies of management, Cyert wrote in an article for the *Wall Street Journal*:

"... I've concluded that the study of management makes a useful, but only a limited, contribution to the practicing manager.

"My training has given me some simple skills that have been useful in obvious ways. Too few university presidents, for example, know how to read and analyze financial statements effectively. With a basic knowledge of cost accounting, I have been able to ease some of my university's financial problems by singling out

for corrective measure activities that were running significant deficits or unusual expenses. Several nonacademic activities could be dropped without affecting the academic quality of the university, and others that were 'living too high' had to be curtailed."

It was this latter action that caused strife at CMU, particularly among some faculty.

Another of his management strategies involves budgets.

"... It became clear... that our budget procedures were almost guaranteed to lead to deficits, for we started the process by soliciting from each budget unit the amount of money it expected to need in the coming year. Organization theory suggests that expected needs would be inflated, and that it would be difficult politically to reduce the initial estimates significantly. So I decided to reverse the procedure, starting with income estimates and allocating a specific amount of income to each unit based on university priorities."

He also has theories on reporting relationships and once hired a scholar to head the school's business affairs and a computer manager who also has the library staff reporting to him.

When it comes to hiring people, theory doesn't enter into the decision, Cyert said. "To attract an academician of exceptional talent... I offered him a combination of being both dean and provost, an arrangement, I believe, that is unique in higher education."

In a scholarly article this year for the Institute for Educational Management at Harvard University, Cyert discusses managing universities in the 1980s.

"Management . . .," he concludes, "must be more centralized than has traditionally been the case. . . . Presidents must again become educational leaders in their institutions. It will clearly be a time for a president who can lead and act . . ."

The *Pittsburgher* magazine not long ago printed this story:

"One evening last winter as Cyert and his wife walked back from a basketball game, two burly teenagers swooped down from behind, snatched Mrs. Cyert's purse and raced away across campus. Dick Cyert bolted instinctively after them. Down past Baker Hall the two young men fled. Cyert in hot pursuit.

"The strange trio doubled back, criss-crossing the campus for a full 20 minutes until finally the purse-snatcher — now deserted by his accomplice — stopped in despair and defeat, flung the purse back at the president of Carnegie-Mellon University and disappeared into the night.

"It had never occurred to Cyert that these strapping teenagers could outrun a small, middle-aged academic. Nor had he reflected on what the physical consequences might be if he did catch up with them. 'It just made me mad,' he said later. It was important to do something. He would think about it later."

Joyce Agnes Freye is retired from the school district in Ferguson Falls, Minn. She lives in Battle Lake, Minn.

Robert W. Friis, North Andover, Mass., is retired as head of the microwave physical design department for Bell Telephone Laboratories, North Andover, Mass. He had been with Bell Lab for 42 years.

Arthur Thomas Green, Melbourne, Fla., is retired from Niagara Mohawk Power Corp., Buffalo, N.Y. He continues to do some engineering for Osmose Wood Preserving Co.

Ennert C. Groth, Minneapolis, is retired butter division manager at Land O'Lakes Inc., Minneapolis.

John Robert Hall, Pasadena, Calif., owns Master Fan Corp., Montebello, Calif.

Raymond B. Hogenson, St.

Paul, is retired from R. B. Hogenson and Co.

Reino C. Lanto, Minneapolis, is a retired civilian employee of the U.S. Air Force, Chanute Air Force Base, Rantoul, Ill.

Laurence Mercer Hursh, Champaign, Ill., is health service director at the University of Illinois, Urbana, Ill.

Janet Martha (Crone) Prevey, Mankato, is a medical technologist at Hennepin County Medical Center, Minneapolis.

Kenneth Frederick Johnson, Red Wing, Minn., is president of Johnson and Meyer Inc., Red Wing.

William Harland Kelty, Chappaqua, N.Y., is a consultant in publishing management. He was vice president of *Reader's Digest* magazine.

Margaret Mae Moody, Winchester, Mass., is assistant librarian at Harvard Law School, Cambridge, Mass.

Dr. Victor Johannes Niranen, Honolulu, Hawaii, is retired as fleet and force dental officer with the U.S. Navy. He has been involved in research development of prosthetics and training aids for dental personnel in casualty treatment with a special interest in prosthodontics. He has traveled internationally as a lecturer and clinician.

Maryanne (Holdorf) Herman, Edina, is a homemaker and vice president of Independent Realty Inc., Minneapolis.

Vernon Russell Peterson, Sun City, Ariz., retired, is a consulting engineer and owner of Peterson Engineering Co.

Dr. Charles Peterson Marvin, Bakersfield, Calif., is a surgeon.

Margaret Allen McGenty, Minneapolis, is retired from the Minneapolis school system.

William Stuart Mitchell, Minnetonka, is vice president of Photo-Scan of Minnesota Inc., Minnetonka.

Don C. Lindstem, Mc Lean, Va., is a chemical engineer for the petroleum and environmental technology division of the mobility equipment research and development command, Ft. Belvoir, Va. He is a member of the American Chemical Society and the American Defense Preparedness Association.

Dr. Ivy Bernice (Olson) Heinz, Prior Lake, is in general medical practice.

Clarence John Jackson, Littleton, Colo., retired in 1979 from LoCator Real Estate Co., Littleton.

William Livingston Jellison, Hamilton, Mont., is retired from the Rocky Mountain Laboratory of the U.S. Public Health Service in Hamilton. He is a member of the American Society of Mammalogists and the American Society of Parasitologists. He is the author of more than 150 scientific papers and three books.

Dr. William J. Hruza is a physician in Sheridan, Wyo.

Alfred Blair Morgan, Minneapolis, is owner of Morgan's Jewelry, Minneapolis.

Mary Jane (Canterbury) Myre, Richfield, is a dental hygienist.

Carl R. Narveson, Moorhead, Minn., is retired as director of special services at Concordia College, Moorhead.

Clifford Edward Oman, Westport, Conn., is executive vice president and director of National Distillers and Chemical Corp., New York.

Ida Adele Ooley is retired and lives in Richfield.

Dr. Ralph Papermaster, Shorewood, is a physician and surgeon at Northbrook Clinic, Brooklyn Center.

Isaac Oliver Peterson, Minneapolis, is retired as art department chairman at Knox College, Galesburg, Ill.

Carol Marjorie (Halvorson) Newman, Columbus, Ohio, retired in 1979 from the school of home economics at Ohio State University, Columbus.

Leo Kleinbaum, St. Louis Park, is tax manager for Lurie, Wiger, Besikof and Co., Minneapolis.

Robert E. Kollner, El Paso, Texas, is manager of Prudential Insurance Co., El Paso.

Eleanor Sonia (Anderson)

Lawatsch, Elk River, is a teacher in the Elk River School District.

Florence Georgia (Cook) Legg, West Newton, Pa., is retired from the Westinghouse Defense and Space Center, Baltimore.

Virginia (Gieseke) Lewis is a housewife and lives in Shell Lake, Wis. She is involved with the Shell Lake Indianhead Memorial Hospital Auxiliary, the Wisconsin Federation of Women's Club, and she is a board member of the Shell Lake Hospital.

Dr. Katherine W. Kendall is retired and lives in Scottsdale, Ariz.

Joan K. Levy, St. Louis Park, is an administrative secretary for the law office of O'Connor and Hannan, Minneapolis.

Milton L. Snyder, Edina, is vice president and corporate security director for First Bank System Inc., Minneapolis.

Harold Vernon Lindstrom, Washington, is retired from the Health, Education and Welfare Department's Food and Drug Administration, Washington.

George O. Ludcke, St. Louis Park, is president of George O. Ludcke Advertising Agency, Minneapolis.

Seymour Mandel, Minneapolis, is an attorney with the Minneapolis law firm of Mandel and Stiegler.

Robert E. McDonald, Gladwyne, Pa., is board vice chairman for Sperry Corp., New York.

Dr. Charles J. Mehlum, Phoenix, Ariz., has a private dental practice in Phoenix.

Morton C. Mosiman, Minnetonka, is president of Deferred Compensation Administrators Inc., Minneapolis.

Dr. Mary Elizabeth Mussey, Chatfield, Minn., is retired from Mayo Clinic, Rochester.

Jerome L. Nees, Brooklyn Park, is process engineer for International Multifoods Inc., New Hope.

Lawrence Henry Mueller, Sun City, Ariz., is a retired pharmacist.

Stanley Andres Nesheim, Minneapolis, is a retired social worker for the Hennepin County Welfare Department, Minneapolis.

Stella Margaret Pedersen, River Falls, Wis., is retired dean of women at Stout State University, Menomonie, Wis.

Willard D. Olson, El Cajon, Calif., is a self-employed civil engineer.

John S. Pillsbury Jr., Wayzata, is chairman of the board of Northwestern National Life Insurance Co., Minneapolis.

Anna C. (Ferm) Long, Seattle, is a homemaker. She is involved with the West Seattle Chamber of Commerce and is president of the Southwest Seattle Literacy Council.

Virginia Jean (Mastebrook) Harrison, Edina, retired this



The Class of 1941 will celebrate its 40th anniversary Monday, May 11, at the "U." The class of 1931 will celebrate its golden anniversary June 1. These coeds are attending Homecoming Nov. 1, 1941, which featured a two-mile parade with 170 floats, 65,000 fans, and a Gopher win over mighty Northwestern.

year from Donaldson's Department Store, Minneapolis.

Dan W. Johnson, Marshall, Minn., is news editor for Southwest State University, Marshall.

Ben C. Katz, Minneapolis, is a retired pharmacist from Noble Drug Co., Minneapolis.

Sheldon L. Pinck, Minnetonka, is a partner in the certified public accounting firm of Coopers and Lybrand, Minneapolis.

Edmund Hopkins Prosser, Minneapolis is senior highway technician for the Minnesota Department of Transportation, St. Paul.

Donald W. Murray, Howell, Mich., is a timber buyer for Buskirk Lumber Co., Freeport, Mich.

A. Donald Hanson, Minneapolis, is retired from the Farmers Home Administration in the U.S. Department of Agriculture, Washington.

Fred J. Luhman, Minneapolis, is president of Rental Equipment Service Inc., and is vice president of Print-O-Matic Inc., both in Minneapolis. He is regional director of the American Rental Association and president of the Minnesota Rental Association.

Mary (Duff) Leinback, Englewood, Fla., is office nurse for several Englewood cardiologists.

June Elizabeth (Toepel) Pratt, Albert Lea, Minn., is a substitute adult education instructor.

Alexander Robert Lyness is retired and lives in Duluth.

Homer D. McGhie, Fruitport, Mich., is retired from the U.S. Department of Agriculture, Grand Rapids, Mich.

Lester E. Norstad, Northfield, Minn., works with Norstad Audio-Visual Company Inc., Northfield.

Robert Winston Orfield, Golden Valley, is property manager and broker for General Realty Co., St. Louis Park.

Henry B. Peterson, Oxon Hill, Md., is section head of the U.S. Naval Research Laboratory, Washington.

William S. Harrison, Edina, is assistant adjudication officer for the Veteran's Administration, Ft. Snelling, St. Paul.

William F. Johnson, Cincinnati, is executive vice president and vice chairman of the board of Chemed Corp., Cincinnati.

Don C. Lindsten, McLean, Va., is a chemical engineer for the petroleum and environmental technology division of the mobility equipment research and development command, Ft. Belvoir, Va.

Einar S. Olson, Minneapolis, is the retired finance manager for the city of Minneapolis.

Claude William Marion, Hettinger, N.D., is a librarian for Adams County Library, Hettinger.

Paul Luther Holmes, Alameda, Calif., is a consultant for the higher education administration, Alameda. He also is a member of the board of regents of California Lutheran College, Thousand Oaks, Calif., and is director of the doctoral studies program at NOVA University, Ft. Lauderdale, Fla.

41 *Harry D. Pratt*, Atlanta, Ga., retired from the U.S. Public Health Service, is teaching medical entomology part-time at the Emory Medical School and Morehouse Medical School, Atlanta. He also is director of training at Stephenson Service, College Park, Ga.

Dr. Deane A. Turner, St. Paul, was awarded the American farmer degree in November by the national board of directors of the Future Farmers of America.

42 *Dr. Bertram H. Sachs*, Palm Springs, Calif., has a general dental practice in Palm Springs.

43 *Dr. Edgar C. Burseth*, Mora, Minn., is retired after 35 years in medical practice.

Donald C. Kull, Bethesda, Md., is vice president of System Sciences Inc., Bethesda.

Robert F. Acker, Des Plaines, Ill., works with the U.S. Gypsum Co.'s research center.

44 *Lawrence N. Streff*, Pittsburgh, is manager of environmental engineering and control for the coatings and resins division of PPG Industries Inc.

Daniel J. Greenwald, Hudson, Wis., is retired from Ford Motor Co. after 28 years' service.

45 *Geraldine (Zieme) Peterson*, Minneapolis, is the secretary at Central Lutheran Church, Minneapolis.

Richard E. Horner, Waseca, Minn., is chairman of the board of E. F. Johnson Co., Waseca.

Laura M. Donney, Rochester, is a public health nurse for the Olmsted County Health Department.

46 *Harry M. Taylor* is retired and lives in Las Vegas, Nev.

47 *Albert J. Mayer*, Bismarck, N.D., is manager of gas distribution for Montana-Dakota Utilities Co.

Robert E. Jacobs, St. Paul, retired in August as professor in the extension animal science department

at the University of Minnesota, St. Paul.

Richard A. Reinartz, St. Paul, is director of community programs for the U.S. Department of Agriculture, St. Paul.

48 *Stanley J. Shanowski* is retired and lives in Grosse Pointe, Mich.

Marilyn M. Sauer, San Bernardino, Calif., is a school principal for the San Bernardino City Schools.

Col. John R. Hed, Duluth, is retired after 40 years as pilot and chief of aircraft maintenance with the U.S. Air Force.

Richard A. Fossum, Helena, Mont., is vice president of the First Bank of Helena. He also serves on the board of directors of the Helena Chamber of Commerce, Junior Achievement, Helena YMCA and the Plymouth Congregational Church of Helena.

John B. Custer, La Crosse, Wis., is manager of national accounts for The Trane Co., La Crosse. He and his wife, Jean, '47, recently returned to La Crosse after a four year assignment in Europe.

Shirley N. Solender, Minneapolis, is owner and operator of Daytours Convention Service, Minneapolis.

49 *Richard F. Slabey*, Durand, Wis., is chairman of the President's Club at the University of Wisconsin, Eau Claire.

Manley Goldfine, Duluth, is on the board of Northwestern Bank of Commerce, Duluth.

Jerold T. Neseth, Minneapolis, is an executive director for Metro-Minneapolis YMCA, with responsibility for camps Icahowan and Iduhapi.

Bruno Sciptoni, Pittsburgh, is director of raw materials for U.S. Steel, Pittsburgh.

Roland J. DePaul, Midland, Texas, is executive vice president of Tom Brown Inc., Midland.

Robert L. Metzger, Englewood, Colo., is executive vice president of Central Bank for Cooperatives, Denver.

Harold L. Miles, Soquel, Calif., says he is "bowling and golfing and enjoying life in the Monterey Bay area."

Edward M. Carr, Cockeysville, Md., is senior research scientist for Noxell Corp., Baltimore. He has been with the company since 1964.

Francis J. Vojta, Minneapolis, is manager of contract administration for the Cooperative Power Association, Minneapolis.



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50 Frank G. Filas, Dayton, Ohio, is retired after 30 years civilian service with the U.S. Air Force.

Lillian (Falk) Goldfine, Duluth, is president of the board of the Duluth Public Library and is on the board of directors of the Guthrie Theater, Minneapolis.

Wesley A. Fraser, Woodcliff Lake, N.J., is vice president and general manager of the F. W. Dodge division of McGraw-Hill Inc., New York.

51 Thomas C. Kryzer, Billings, Mont., is president of Northern Tier Pipeline.

Charles H. Samuelson, Memphis, Tenn., is vice president of Southwide Inc., and is president of DeLinting Systems Inc., Junior Achievement, Memphis, and the Porter Leath Children's Home.

John I. Ankeny, St. James, Minn., is farm advisor for Watonwan Farm Service Co., St. James. He retired in August as Watonwan County extension director in the agriculture division.

52 Leonard A. Marascuilo, El Cerrito, Calif., is an education professor at the University of California, Berkeley.

Dr. Mario Romero, Port Arthur, Texas, is on staff at St. Mary's Hospital, Port Arthur.

Helen F. Brooks, Minneapolis, is an industrial-commercial realtor for The Towle Co., Minneapolis.

53 Margaret H. Flook, Aurora, Colo., is retired from the University of Colorado's School of Nursing, Denver.

54 Dorothy M. Donlin, Burnsville, is a teacher in the Burnsville school system.

55 Dr. Robert F. Kolosky, Moose Lake, Minn., is chairman of the Pro-Life Party of Minnesota.

William Bernard, Willmar, Minn., is a partner in the Willmar law firm of Bernard and Johnson.

Margaret K. Kennedy is retired and lives in Arlington, Va.

56 Dr. Merle K. Loken, Minneapolis, is director of the division of nuclear radiology at the University of Minnesota, Minneapolis. He spent two weeks in Heidelberg and Nürnberg, Germany, as a speaker or several medical meetings.

Jerome H. Swenson, Hamel, is district sales manager for I.A.F. Corp., Minneapolis.

Herbert B. Polachek, Minneapolis, is design director for Dayton's Commercial Interiors, Minneapolis. He is a member of the American Society of Interior Designs and the American Institute of Architects as well as a member of the Golden Valley Planning Commission.

June P. Heinz, College Park, Md., is a budget analyst for the U.S. Department of Energy's office of conservation and solar energy.

Elizabeth R. Witt, St. Paul, is a manager for Esslinger and Co., Mendota Heights, and is serving as city council member for the city of Mendota Heights.

Kathleen Malizia, Montclair, N.J., is correspondence and recording secretary for the New Jersey chapter of TWA Clipped Wings.

57 Margaret J. Roskoski, Virginia, Minn., is director of dietary service at the Virginia Regional Medical Center.

Aloysius M. Mayers, Eagan, is a salesman for E. R. Squibb and Sons. He also is chairman of the restoration committee for St. Peter's Church, Mendota, the oldest church in Minnesota.

Arlene B. Appelbaum, St. Paul, recently opened "The Write Approach," a communications company specializing in photography, publications, public relations and publicity.

58 Jerome W. Hall, Cedar Rapids, Iowa, is a partner in McGladrey, Hendrickson and Co.

Roger W. Toogood, Roseville, is executive director of Children's Home Society of Minnesota.

Dr. Jan D. Duker, Brandon, Miss., is executive director of the Mississippi State Department of Mental Health.

Zita M. Norman, St. Paul, is director of corporate communications for the St. Paul Companies Inc., St. Paul. In September she married Gerald H. Larson of St. Paul.

59 Elsie Kleimola is retired and lives in Wakefield, Mich. David L. Hummi, Fargo, N.D., is educational lieutenant governor for District #20. He is a member of Toastmasters International.

James D. Neuberger, Maple Grove, owns Neuberger Furniture Service, Maple Grove.

William F. Reeve, Severna Park, Md., is senior engineer for Westinghouse Advanced Technology Laboratory.

60 Richard T. Jacobson, St. Paul, is president of AAA

Electric and Neon Service, St. Paul.

Richard J. Rano, Westerville, Ohio, is director of parks and recreation for the city of Westerville.

Melvin W. Nyman, Shoreview, is marketing manager for Honeywell Inc., Minneapolis.

61 Lee E. Nyman, Eveleth, Minn., is a junior high teacher in Eveleth.

Dr. John T. Troan, Phoenix, Ariz., is chairman and counsel for Five Star Enterprises Inc., Phoenix.

James P. Kuharski, New York, is executive vice president of Irving Trust Co.

62 Robert W. Bonine, Mendota Heights, is on the Minnesota Higher Education Coordinating Board.

63 Robert A. Lorfald, Maple Grove is a research analyst for the Minnesota Department of Economic Security's Labor Market Information Center, St. Paul.

Ronald L. Panter, St. Paul, is a computer system account executive in the Autocon Division of Control Data Corp., Minneapolis.

Dennis G. Nelson, St. Paul, is technical placement manager in the human resources organization of 3M Co., Minneapolis. He has been with 3M since 1962.

64 Ronald L. Lehman, New Hope, is president of Minnesota Playground Inc.

Vincent T. Graupmann, St. Paul, retired in April as assistant administrator of Anoka State Hospital, Anoka.

65 William R. Jacobs, New Brighton, is president of Bladholm Brothers Corp., Osseo.

Benjamin S. Bull, Scottsdale, Ariz., is working with Realty World — Gary Underhill and Associates, Scottsdale.

Marvin S. Seppanen, Tuscaloosa, Ala., is an associate professor of industrial engineering at the University of Alabama.

Jacqueline Farrow, Arcadia, Calif., is administrative office manager for Van Vorst Industries.

66 Yvonne Z. Bretoi, Palo Alto, Calif., is a programmer and analyst for Corporate MIS.

Denny H. Frisell, Buffalo, Minn., is an agent for State Farm Insurance Co.

Bruce Sutton, Warwick, N.Y., is a broker for D. L. Hawkins and Associates, Warwick.

John B. Darling Jr., New

Port News, Va., is assistant director of development, planning and economic development for New Port News.

James H. Rylander, Burnsville, is legal service administrator for the Dayton Hudson Corp., Minneapolis.

Dr. John S. Irons, Oklahoma City, is a pediatric allergist at the Oklahoma Allergy Clinic, Oklahoma City.

Donald W. Schlueter, St. Paul, is senior administrative assistant in the manufacturing product control division of Sperry Univac, St. Paul.

Richard Listiak, La Crescent, Minn., is clinical psychologist at the Gundersen Clinic, La Crosse, Wis.

67 *Dr. Floyd R. Garrett*, Corpus Christi, Texas, is a veterinarian and owner of two animal hospitals in Corpus Christi.

Alfred C. Fleckenstein, Portland, Ore., is a controller for Air-Oil Products, Portland.

Henry J. Richards, Buffalo, N.Y., is a professor in the department of modern languages and literature at the State University of New York, Buffalo.

Joy A. Holm, Oak Park, Ill., owns her own business in River Forest, Ill., Design and Fabrication of Jewelry.

Paul R. Farnham, Minneapolis, is an associate professor in the department of geology at the College of St. Thomas, St. Paul.

Judith A. Preston, Minneapolis, is a computer programmer for North American Life and Casualty Co., Minneapolis.

Thomas F. Drake, St. Paul, is a professional actor in the Twin City area.

John E. Spalding, La Cañada, Calif., is director of urban planning and design for the Los Angeles Community Redevelopment Agency.

Balva M. Caffrey, Minneapolis, works for the Guthrie Theater Foundation, Minneapolis.

Douglas J. Schmalz, Wayzata, is corporate controller for Leisure Dynamics Inc., Minneapolis.

Dr. Ronald R. Evenson, Houston, Minn., is a self-employed dentist and the mayor of Houston.

Harland B. Hasslen, Waseca, is an associate professor of agronomy and educational research at the University of Minnesota, Waseca.

68 *Richard C. Struck*, La Harpe, Ill., is assistant director of Western Illinois University Foundation, Macomb, Ill., and he is director of the Annual Fund.

William G. Zallar,

Chisholm, Minn., is an elementary teacher in the Duluth public school system.

Dr. DeWayne H. Walker, Lindstrom, Minn., is the director of the State Animal Resources Center for Western Australia, Perth, Australia.

Mary W. Myers, Winter Haven, Fla., has a private law practice.

David L. Zuelke, Chaska, is a certified public accountant and a partner with Hansen, Koschinska and Co., Minneapolis.

69 *Andy M. Wangsted*, Minneapolis, married Catherine McFراث in October.

Kenneth M. Beadell, Welch, Minn., is an associate production engineer at Northern States Power's Prairie Island Nuclear Energy Plant.

Richard P. Holmstrom, Duluth, is an attorney.

Nancy (Nemer) Proman, Minneapolis, is owner of the Minneapolis maternity store, Maternal Instincts.

Alice A. Yamada, Montebello, Calif., is a mental health counselor and registered nurse in the county jail psychiatric inpatient service of the Los Angeles County Mental Health Service.

70 *Dr. David L. Bopp*, Proctor, Minn., is a dentist in Proctor.

Paul J. Flick Jr., Minneapolis, an artist, is listed in "Who's Who in American Art" and "Who's Who in America."

Dan A. Wolner, Bloomington, is a special midwest representative for the San Francisco-based collection agency, George Cook and Associates.

Dr. Richard D. Wachter, Tucson, Ariz., has a private diagnostic radiology practice in Tucson.

W. Harold Cox is retired and lives in Bloomington.

William H. Cowell, Gaylord, Minn., is a partner with the law firm of Miller and Cowell, with offices in Gaylord, Gibson and Henderson, Minn.

Dr. Donavon D. Berge, Martinez, Ga., has a private oral and maxillofacial surgery practice in Augusta, Ga.

Dr. John P. Cary, Silver Bay, Minn., is practicing general dentistry.

Dr. Thomas A. Kellenberger, Shoreview, is director of the Drug Utilization Review for the State Department of Public Welfare in Minnesota.

Rudolph F. Lauermann,

Stillwater, is acquisitions manager for 3M Co., St. Paul.

John J. Gorra, Edina, is treasurer of the Minnesota Multi-Housing Association.

71 *Dr. Roger K. Palmquist*, Red Wing, Minn., has a private dental practice.

Wallace L. Larsen, Apple Valley, teaches accounting at Bloomington Jefferson High School and coaches girls' soccer and softball.

Gaylen D. Melby, Roseville, is assistant vice president of Gombold Electric Company Inc., St. Paul.

James F. Conway, Rochester, is a salesman and part-owner of Company One Realtors.

Kenneth R. Meister, Stillwater, is a civil engineer for Milner, Carley and Associates, St. Paul.

Reggie L. Gausman, St. Paul, is a laboratory supervisor for North Central Laboratories Inc., St. Paul.

Thomas C. Olson, Fort Mill, S.C., is local sales manager for Jefferson-Pilot Broadcasting Co., Charlotte, N.C.

Kristine M. Gillard, Plano, Texas, is marketing representative for the southwest division of Safeco Insurance Co., Dallas.

Sandra Fabel Stewart, Fostoria, Ohio, is a graduate student in educational administration at Ohio State University, Columbus, Ohio.

David K. McAnnally, San Jose, Calif., is regional director of marketing and distribution for Lonestar Industries, San Mateo, Calif.

Robert D. Hertenberg, Medford, Wis., is an internal auditor for the State Bank of Medford.

Jerry K. Fellows, Downer's Grove, Ill., is a partner in the Chicago law firm of McDermott, Will and Emery.

Linda C. Kimball, Winona, Minn., works for Badger Foundry Co., Winona.

William R. Kramlinger, St. Paul, is project engineer for L&A Products, St. Paul.

Christine Ulmen, St. Louis Park, is a tax supervisor for Coopers and Lybrand, certified public accountants, Minneapolis.

Anne (Wallace) Peterson, Palo Alto, Calif., is a technical writer and editor for SRI International, Menlo Park. She also teaches and performs Baroque music.

72 *Norene A. Roberts*, Minneapolis, is a historian and president of the Historical Research Inc., Minneapolis.

Robert J. Kelly, Missoula, Mont., is manager of public relations for the Rocky Mountain Region of Champion International Corp.

Paul Von Drasek, Shorewood, Wis., is trade-book manager of the University of Wisconsin's bookstore, Milwaukee.

Charles J. Sartell, Minneapolis, is plant manager for Lloyd's Food Products, West St. Paul.

Pamela C. Riley, St. Paul, works in the social service department at the University Hospital, University of Minnesota, Minneapolis.

Emmett A. Davis, St. Paul, is co-author of the recently published "Mainstreaming: Library Service for Disabled People."

73 *Neil R. Christensen*, Hector, Minn., is a grain farmer in Renville County, Minn.

Richard H. Martens Jr., St. Paul, works in the recruitment and employment advertising division of The St. Paul Dispatch, St. Paul.

Dr. Bruce H. Skaalrud, Isle, Minn., has a private dental practice in Isle.

Bruce C. Lohr, Little Canada, is a pharmacist for Borgstrom Pharmacy, St. Paul.

Michael V. Donato, Minneapolis, is a sales representative for Portex Inc.

John J. Ruff, Fort Thomas, Ky., is assistant hospital medical director at the Veteran's Administration Center, Cincinnati.

Dr. Kathleen S. Bohanon is a pediatrician and a captain in the

U.S. Air Force, serving at Grand Forks Air Force Base, N.D.

Allan Routh is farming near Albert Lea, Minn.

Lyndon J. Hansen, Isanti, Minn., is a human service specialist at Cambridge State Hospital, Cambridge, Minn.

John A. Nemecek, Onalaska, Wis., is a controller for Skemp-Grandview La Crosse Clinic Ltd., La Crosse, Wis.

Stephen Caskey, Minneapolis, works in the planning department of Northern States Power Co., Minneapolis.

Stephen D. Morrison, St. Paul Park, is an assistant city attorney in the real estate and economic development division of the St. Paul city attorney's office.

Peter S. Renner, Milwaukee, owns the architectural firm of Renner Design.

Dennis L. Alfton, Minneapolis, is assistant to the executive director of the Metropolitan Sports Facilities Commission.

May K. (Russell) Winters, Setauket, N.Y., is a therapeutic recreation instructor at Suffolk County Community College.

Katherine K. Sawyer, St. Paul, is a decorator consultant for J. C. Penney Co.

74 *Willie L. Anderson*, Marietta, Ga., is a program administrator for IBM Corp., Atlanta.

Lynn R. Gruber, Crystal, is director of the department of medical services and research for the Minne-

sota Medical Association, St. Paul.

Wayne H. Wolter, Minneapolis, is an environmental engineer for Land O'Lakes Inc., Minneapolis.

Steven J. Waldman, St. Louis Park, is president and owner of AHS Advertising, Golden Valley.

Capt. William G. Lyttle, Clarksville, Tenn., is assigned to the 101st Airborne Division, Fort Campbell, Ky.

Brandon Becker, Silver Spring, Md., is an attorney and adviser for the Securities and Exchange Commission.

William L. Johnson, Montevideo, Minn., is a financial services representative for John Deere Co., Minneapolis.

Barbara L. Sevlte, Minneapolis, is a home economics teacher at Marshall University High School, Minneapolis.

Michael J. Phillips, Edina, is industrial relations director for Health Manpower Management Inc., Minneapolis.

Rodney L. Nordberg, Los Angeles, is an assistant professor in the cinema and television department at the University of Southern California, Los Angeles.

Jacob I. Reiber, Tampa, Fla., is an attorney.

Monica I. Borgersrode, Minneapolis, is co-chairwoman of the capital long-range improvements committee task force transportation and property services for the city of Minneapolis.

Kerry K. Reimer, Hugo, is

First Athletic Director Dies

NEARLY 60 YEARS AGO Frederick William Luehring, who pioneered in teaching people how to swim, came to the University of Minnesota to become its first athletic director.

Luehring, who died Feb. 1, was 99 years old. He was born on a Kansas farm Dec. 11, 1881, and his formal education began in a one-room school and culminated at Columbia University where he received a doctorate in 1939. He received a master's from the University of Chicago in 1906 and a bachelor's from North Central College in 1905.

Luehring came to the University of Minnesota in 1922 to become director of the newly formed athle-

tic department. During his tenure, the department developed into one of the finest in the country, some say. Memorial Stadium was built in 1924 and proved to be the cornerstone of the growing department. With funds from the football program, Luehring directed the expansion of the department into a number of new areas, including the Field House and the golf course. When he left the University in 1931 to become a director of the department of health and physical education at the University of Pennsylvania, the athletic department at the University was firmly established.

Throughout his life, Luehring participated in the development of swimming as a lifetime sport for personal health and enjoyment. His dissertation at Co-

lumbia, *Swimming Pool Standards*, was published as a reference work and was valued in professional circles for many years. He pioneered a standard method of swimming instruction prior to the advent of the American Red Cross program. His interest in swimming led to his serving on the American Olympic swimming committee, as secretary in 1932 and as chairman in 1936. He was admitted to the International Swimming Hall of Fame in 1972.

Luehring also was active in camping and hiking and was a golfer most of his life.

Some would say Luehring's greatest success was what he added to others by the part he played in developing an athletic program at the University of Minnesota.

senior process engineer for 3M Visual Products Division, Minneapolis.

Clinton G. Halvorson, Lester Prairie, Minn., raises cattle and sheep and is a county 4-H leader.

Rhona Wetherille, Minneapolis, is a research specialist at the National Association of Employers on Health Maintenance Organizations, Minneapolis.

Wayne Tritbough, St. Louis Park, is an attorney with the Bloomington firm of Chadwick, Johnson and Bridell.

Dr. Dantel J. Powsner, New York, is medical director of Queens Day Treatment Center, Jamaica, N.Y.

David W. Kohner, Edina, is production manager of the physical electronics division of Perkin-Elmer Corp., Eden Prairie.

Jesse L. McPherason Jr., Sterling Heights, Mich., is program and planning coordinator for Ford Motor Co.'s tractor operations.

Dr. Stuart D. Lorberbaum, Minneapolis, is a dentist in Minneapolis.

Michael S. Penfield, Boulder, Colo., is an account executive for Merrill Lynch.

Gordon G. Gauss, Shoreview, is vice president of quality assurance for TON Circuits Inc., Shakopee.

75 *Dr. Rodgers M. Lewis*, Roosevelt, N.Y., is assistant superintendent of curriculum and instruction for the Roosevelt public schools.

Dr. William H. Olson, Grand Forks, N.D., has a private dentistry practice in Grand Forks.

Randall S. Miller, Rochester, is a technician at Mayo Clinic, Rochester.

A. Frank Wets, St. Paul, is a national sales representative for Storage House.

William H. Tendle Jr., Minneapolis, is a hospital services representative for Blue Cross-Blue Shield of Minnesota, Minneapolis.

Warren W. Mortensen, Brooklyn Park, is a chassis assembler for Research Inc., Eden Prairie.

Robert G. Andrus, Houston, is a chemist for NALCO Chemical Co., Sugar Land, Texas.

Jacqueline C. Walther, St. Paul, is central service coordinator at St. Paul Ramsey Medical Center and is a senior at William Mitchell College of Law, St. Paul.

John Richard Crist, Minneapolis, is a mechanical engineer for Pako Corp., Minneapolis.

Robert W. Dummer, St. Louis Park, is district director of the Minnesota Jaycees.

Harry Lee Scott, Minnetonka, is director of systems for Webster Lumber Co., Wayzata.

Joan M. Verba, Bloomington, is an associate programmer for Sperry Univac, Minneapolis.

Robert E. Erikson, Lee's Summit, Mo., is a station supervisor for Amoco Pipeline Co.'s pumping station at Sugar Creek, Mo.

William J. Coughlin, Wood Haven, N.Y., is office manager of Feld Truck Leasing's Long Island district office.

Jeffrey A. Zoller, Oklahoma City, is production coordinator for Gralla Associates, architects and planners, Oklahoma City.

Paul O. Rusterholz, Winona, Minn., is an assistant music professor at the College of St. Teresa, Winona.

Boy Lon Toy, a chef instructor in the food service department of the Hennepin Technical Center, North campus, Brooklyn Park, was recently inducted into the American Academy of Chefs and received a medal of honor during the American Culinary Federation convention at Las Vegas. This is the highest honor that can be bestowed on a chef. Boy is one of 11 chefs in Minnesota and 540 in the United States who are members of the academy.

Dr. Linda H. Harris has been appointed to the position of forward business planning manager for Honeywell's energy products center, Minneapolis.

Warren W. Mortensen, Brooklyn Park, is a chassis assembler at Research Inc., Eden Prairie. He is also building a 1926 Model T Tudor sedan and is a member of the Model T Club.

Kaye L. Aho, Bloomington, is personnel manager at Control Data Corp.

L. Lant Jacobsen, Savoy, Ill., became the first women's sports information director at the University of Illinois after serving two years as the first women's sports information director at North Dakota State University.

William H. Morgan, Burnsville, was promoted to sales manager with Metropolitan Life Insurance Co. He is also a member of the St. Paul Chapter of the National Association of Life Underwriters.

James H. Williams, Arlington, Va., is serving on the staff of commander naval military personnel command in Washington, D.C.

David J. Peterson, Minneapolis, is personnel and public relations director for the American Collection Association, a national trade group of debt collection agencies.

Jon D. Fogdall, Apple Valley, is a technical writer for Honeywell, Minneapolis.

Stephen M. Medin is practicing dentistry in Willmar, Minn.

Gregg M. Larson, White Bear Lake, is practicing law in St. Paul with the office of general counsel of 3M.

Robert A. Johnson is program development manager at United Cerebral Palsy of Minnesota and is a member of the executive committee of the Minnesota Jaycees.

David N. Rosenow, Fairfield, Ohio, is a design engineer with the Aircraft Engine Group at General Electric.

76 *Roxanne M. Steberlich*, St. Paul, is a computer programmer and analyst for St. Paul Companies Inc., St. Paul.

Allen L. Moore, Houston, is a communications consultant for Southwestern Bell Telephone Co.

Gregg E. Sougstad, Minneapolis, is a project engineer for Henkel Corp., Minneapolis.

Richard B. Beeson Jr., St. Paul, is project manager for the St. Paul department of planning and economic development.

Richard D. Shields Jr. is a captain in the U.S. Army and is stationed at Fort Benning, Ga.

Robert E. Anderson, Rochester, is an associate in neurosurgical research at Mayo Clinic, Rochester.

Morrie L. Arenson, Hopkins, is executive president of the Minnesota Closet Company Inc., St. Louis Park.

Judith C. Wilgus, Salina, Kan., is a pediatric and family health care nursing instructor in Salina.

Lt. William M. Newell is a supply officer in the U.S. Navy.

Larry L. Mundahl, Spokane, Wash., is a partner in the Spokane law firm of Hupp, Ewing, Anderson and Hergert, P.S.

Dr. Billie K. Glade, Omaha, Neb., is chief surgery resident at Creighton University, Omaha.

Nancy L. Rotsch, Minneapolis, is a reservation sales agent for Northwest Orient Airlines.

Paul Deneka, Minneapolis, is coordinator of regulatory affairs for Northern States Power Co., Minneapolis.

Dr. David G. Strike, Oak Park, Mich., is an internal medicine specialist and has a clinical research fellowship in infectious diseases at Wayne State University, Detroit.

Carol A. Heupel, Waseca, is assistant professor in nursing at Mankato State University.

DEATHS

Gregory I. Farmer is an electrical engineer working in development engineering at Sperry Univac, Roseville.

Kathleen F. Hupalo, St. Paul, is attending her final year of law school at the University of Minnesota.

Douglas L. Strand is a teacher, educator, and coach at United Township High School in East Moline, Ill.

David V. Perrin is a child and family therapist for Human Services Inc., Oakdale, Minn.

John C. Johnson is a manager for Quality Assurance Onan Corporation, Minneapolis.

Dr. Douglas P. Hartzler, Cambridge, Minn., is a general surgery resident at Hennepin County Medical Center.

Dan Schultz, Wausau, Wisc., has been promoted to editor of Wausau Insurance Companies communications services department.

Brigit Wassmuth, Philadelphia, has been appointed assistant professor of journalism for the 1980-81 academic year at Drake University, Des Moines, Iowa.

77 *Heidi N. Caskey*, Minneapolis, works in the new accounts department at Summit State Bank, Bloomington.

Larry M. Davidson, New Hope, is a senior marketing representative for Cutter Medical.

Gregory M. White, St. Paul, is a controller for Hubert W. White Inc., Minnetonka.

Louise A. Douce, Columbus, Ohio, is training coordinator for the counseling and consultation service at Ohio State University, Columbus.

Kent R. Charron, St. Paul, is director of the modified learning center for School District #16.

John L. Roberts, Red Wing, Minn., is associate minister at the First United Methodist Church, Red Wing, and he is pursuing his master's degree from Garrett Evangelical Theological Seminary, Evanston, Ill.

Harley L. Handegard, Minneapolis, is senior systems analyst in the management information consulting division of Arthur Anderson and Co., Minneapolis.

Christina Verderosa is a Lieutenant in the Navy and was assigned to Guam.

Betty Beter, Minneapolis, is the editor at Piper, Jaffray and Hopwood Inc.

Richard M. Olson, Clayton, Mo., will graduate from Concordia Seminary with a master's degree and will join the ministry of the Lutheran Church.

78 *Jerome G. Sosinske*, St. Louis Park, is an electrical engineer for Honeywell Inc., Minneapolis.

Peggy A. Hill has been promoted to marketing analyst-information system in the marketing research department of Oscar Mayer and Co., Madison, Wisc.

Jeanne Allen, Rochester, will join the Luther College faculty as a part-time instructor in nursing.

Bruce W. Henry, St. Paul, is a new sales representative for Wausau Insurance Companies.

Martin P. Fossum, Menlo Park, Calif., is pursuing a master's degree in petroleum engineering at Stanford University.

Francis P. McQuillan, St. Paul, was promoted to staff accountant at Group Health Plan, Inc.

Terese A. Forster, Madison, Wisc., is working for the U.S. Department of Interior, fish and wildlife health lab as a diagnostic virologist.

Leslie K. Olufson, New Hope, Minn., is employed by the Animal Humane Society of Hennepin County as an exam staff engineer.

Scott B. Friedland is in his second year of law at Western State University of Law, Fullerton, Calif.

Charles C. Mosher, Plano, Texas, is senior research geophysicist for Arco Oil and Gas, Dallas.

Kevin P. Krantz, Red Wing, Minn., is a history teacher, gymnastics, and track coach for Stewartville High School.

Kathee L. Matheson Wells joined the Army Nurse Corps and is a first lieutenant at Tripler Army Medical Center, Honolulu.

Joseph L. Mayer, Alexandria, Va., was appointed as attorney for the board on professional responsibility of the District of Columbia Court of Appeals.

Catherine A. Griner, Richfield, is the auditing assistant at Richfield Bank and Trust Co.

79 *Steven L. Couture*, Roseville, is manager of corporate employee relations for LeeWards, a subsidiary of General Mills, Elgin, Ill.

Patrick J. Smith is a St. Paul city fire fighter.

Nancy Anderson, Shoreview, is an analyst with NCR Comten, Inc.

80 *Roberta K. Rice*, Excelsior, is teaching Spanish at Mangold Language Institute in Madrid, Spain.

Gary L. Moline, Shoreview, is a project engineer with 3M.

Harry Benson Carroll, Jr., '05 in December, 1980, in Seal Beach, California.

Edith M. Phelps, '07 in October, 1980, in Yorktown Heights, New York.

Arnold Gloor, '07 on December 9, 1980, in Sioux Valley Hospital, S.D. He was formerly superintendent of Public Schools in New Ulm and Crookston, Minnesota.

Elsa Ueland, '09 on December 1, 1980, in Flourtown, Pennsylvania. She was the former president of Carson College for Orphan Girls.

William W. Foote, '25 on April 6, 1980, in Laguna Hills, California.

Dr. Lloyd A. Steller, '26 on December 5, 1980, in Edina, Minnesota. He performed the first surgery at the new Fairview Southdale Hospital in 1965.

Fred C. Frey, Sr., '29 recently in Baton Rouge, Louisiana.

J. Theodore Lundquist, '30 on October 25, 1980, in Iverness, Florida.

Alfred H. Fleckenstein, '33 on December 31, 1979, in Tacoma, Washington. He was the founder of the Faribault Industrial Corporation, active in Faribault Planning Commission, and past Secretary of the Exchange Club.

Kathleen McCormick, '36 on February 25, 1980, in Eveleth, Minnesota.

Don Paul Nathanson, '37 on December 24, 1980, in Los Angeles, California. He was the former Executive Vice President and Director of Grey Advertising, Inc. and was Chairman of Grey-North Advertising.

Ruth E. Jensen, '42 on August 19, 1980.

Frederick W. Winter, '48 on June 28, 1980, in Mill Valley, California.

Dr. Russell S. Blanchard, '51 on November 19, 1980, in San Francisco, California.

Dr. Leroy H. Holt, '53 on December 6, 1980, in Norwick, New York.

Rev. Laurence V. Britt, S.J., '55 on November 15, 1980, in Cleveland, Ohio. He was the retired dean of the College of Arts and Sciences at John Carroll University.

Dr. Marton Marjoros, '61 on April 6, 1980, in Atlanta, Georgia. He had practiced medicine in Atlanta from 1962 to 1977 and was member of the Triological Society and the American, Georgia, and Fulton County Medical Associations.

Willard D. Bush, '74 on December 21, 1980, in Woodbridge, Virginia.

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January 1981

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Anderson, Mrs. (Richard W.) Bette A., '40 NURS, La Jolla, Calif.
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Baughman, Richard P., '36 BUS, Walnut Creek, Calif.
Belois, Patricia, '70 LAW, Minneapolis
Berwald, Helen D., '48 ED, Northfield, Minn.
Davidson, Don, New Hope
Davidson, Mrs. (Don) Ruth I. (Fuerstenag), New Hope
Dehnel, Dr. Luther L., '53 MED, APO, NY
Franke, John C., '68 GRAD, Springboro, Ohio
Gee, Robert F., '49 GRAD, Billings, Mont.
Geer, Jon R., '57 IT, Virginia Beach, Va.
Graf, Violet R., '37 UCCL, Faribault, Minn.
Guesmer, Velva S., St. Paul
Hansen, Charlotte H., '44 MEDTC, Jamestown, ND
Hasse, Glenn W., Jr., '63 BUS, Northfield, Minn.
Kohler, Helen R., '62 GRAD, Baltimore
Kole, Andrew A., '48 BUS, Wayzata
Lund, Olive A., '30 BUS, Plymouth
Olson, Dr. Richard S., '60 VET M, Kandyohi, Minn.
Olson, Mrs. (Richard S.) Delores J., '57 HEC, Kandyohi, Minn.
Olson, Dr. William A., '62 GRAD, Reston, Va.
Olson, Mrs. (William A.) JoAnne C., '57 ED, Reston, Va.
Rice, Roberta K., '80 CLA, Excelsior
Rye, Dr. Kenneth W., '55 Vet M, Glencoe, Minn.
Snow, Robert J., '43 AG, Minneapolis
Snow, Mrs. (Robert J.) Nancy Grace, '45 ED, Minneapolis
Strang, Dr. David J., '66 GRAD, Eau Claire, Wis.
Swanson, Donald F., '48 CLA, Wayzata
Swanson, Mrs. (Donald) Virginia H., '49 ED, Wayzata
Thompson, Burton Ward, '35 IT, Minneapolis
Thompson, Mrs. (B Ward) Janet R., Minneapolis
Waldner, Scott A., '77 AG, Gaylord, Minn.
Waldner, Mrs. (Scott A.) Gail A., '78 HEC, Gaylord, Minn.
Weiner, Howard W., Edina

NEW INSTALLMENT LIFE

MEMBERS

January 1981

Ahrenholz, Steven H., '78 PH, Cincinnati, Ohio
Albitz, Benjamin F. Jr., '53 GRAD, Potomac, Md.
Anderson, Wilfrid J., '53 CLA, St. Paul
Arneson, Dr. Mary A., '75 MED, Minneapolis
Barber, Delos P., '72 FOR, Roseville
Barber, Mrs. (Delos P.) Shirley L., '75 ED, Roseville
Bell, Shirley E., Minneapolis
Bjorkquist, Prof. David C., '65 ED, Minneapolis
Brindle, Ralph C., '79 GRAD, Minnetonka
Brindle, Mrs. (Ralph C.) Mary D., Minnetonka
Bunce, Dr. Walter E., '39 DENT, Stillwater
Chasman, Dr. Jonathan N., '78 GRAD, St. Paul

Costello, William E., '50 BUS, St. Paul
Cramer, James P., '76 GRAD, Hopkins
Dachis, Mrs. (Gary A.) Elaine, Robbinsdale
Dittel, Steven L., '80 BUS, St. Paul
Dusek, Dr. Ivan F., '72 GRAD, Atwater, Minn.
Elliott, Robert K., '71 GRAD, White Bear Lake
Engelkes, Joyce E., '71 GRAD, Rushmore, Minn.
Eull, John G., '78 BIOSC, Osseo
Friedland, Scott B., '78 GC, Trenton, NJ
Govig, Dr. Dean W., '60 DENT, Montevideo, Minn.
Gross, Nancy A., '64 NURS, Fridley
Halverson, John C., '50 IT, Wayzata
Hammerschmidt, Dr. Dale E., '70 MED, Minneapolis
Harmann, David V., '70 IT, Delano, Minn.
Harmann, Mrs. (David V.) Mona, '79 GRAD, Delano, Minn.
Harr, Stephen J., '64 IT, Monsey, NY
Hirsh, Dr. Stanton A., '45 MED, Crookston, Minn.
Hirsh, Mrs. (Stanton A.) Sally, '50 NURS, Crookston, Minn.
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Ivancich, Virginia M., '59 DULUTH, Ely, Minn.
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Johnson, Grant R., '45 GRAD, Buffalo, Minn.
Johnson, Lester M., '48 IT, Orlando, Fla.
Jorgensen, Col. Robert R., '45 PH, Fort Sam Houston, Texas
Jost, Ronald F., '69 MORRIS, Corcoran, Minn.
Jost, Mrs. (Ronald F.) Marcella R., Corcoran, Minn.
Kennedy, Zita M., '76 CLA, St. Paul
Kinsman, Richard B., '48 IT, Excelsior
Kinsman, Mrs. (Richard B.) Beverly J., Excelsior
Klein, Jude J., '62 CLA, Mt. Prospect, Ill.
Knight, Douglas V., '65 CLA, Eau Claire, Wis.
Knight, Mrs. (Douglas V.) Karen M., Eau Claire, Wis.
Krogseng, David N., '58 CLA, Minneapolis
Kvasnicka, Donald W., '55 AG, Mankato
Leschke, John P., '80 IT, Minneapolis
Licari, Dr. James P., '70 GRAD, Rochester
Licari, Mrs. (James P.) Jeanne C., '64 MEDTC, Rochester
Lipsy, Gordon E., '69 IT, Englewood, Calif.
Lipsy, Mrs. (Gordon E.) Susan J. Schaweecker, '70 CLA, Englewood, Calif.
Litch, John R., '67 IT, Crystal
Loe, Frederick F., '63 ED, Minneapolis
Madison, Gerald F., '58 CLA, Edina
Martinson, Dr. Robert A., '76 GRAD, Maplewood
Martinson, Mrs. (Robert A.) C. Linda, Maplewood
Mayer, Joseph L., '78 LAW, Alexandria, Va.
McNamara, Jane N. H., '71 ED, Chicago
McQuillan, Francis P., '78 GC, St. Paul
Medin, Dr. Stephen M., '78 DENT, Spicer, Minn.
Merkel, Dr. Stephen A., '76 DENT, Milliani, Hawaii
Miller, F. Carl, Jr., '72 GRAD, Minneapolis
Moeller, Dennis D., '68 AG, Minneapolis
Moeller, Mrs. (Dennis D.) Nancy J. Day, '69 NURS, Minneapolis
Moline, Gary L., '80 IT, Shoreview
Morris, Arthur M., '41 CLA, Minneapolis

Morris, Mrs. (Arthur M.) Virginia S., Minneapolis
Murtaugh, Dr. Robert J., '80 VET M, Venice, Calif.
Nauer, Joseph J., St. Paul Park
Nauer, Mrs. (Joseph J.) Priscilla J., '51 CLA, St. Paul Park
Nealy, Mark W., '67 BUS, Woodbury
Nelson, Dennis L., '67 CLA, Denver
Nelson, Timothy R., '72 BIOSC, Minneapolis
Obrzut, Dr. John E., '74 GRAD, Greeley, Colo.
Olufson, Leslie K., '78 BIOSC, New Hope
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Patton, Mrs. (Patrick C.) Suzanne E., Eagan
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Paulick, Erna S., '45 ED, Plymouth
Peterson, Gloria J., '74 ED, Lindstrom, Minn.
Rislow, Richard P., '75 AG, Lewiston, Minn.
Ronning, Gerald Alan, '74 BUS, Minneapolis
Ryan, Thomas R., '66 GRAD, Littleton, Colo.
Schneider-Rein, Sharon B., '77 GC, St. Louis Park
Seifert, Dr. James R., '47 DENT, New Ulm, Minn.
Seifert, Mrs. (James R.), '44 BUS, New Ulm, Minn.
Selmecki, James S., '79 BUS, Minneapolis
Shelerud, Robert W., '63 DULUTH, Duluth
Sjosten, Stanley M., '39 BUS, Vienna, Va.
Synder, Dr. Mariah, '78 GRAD, Minneapolis
Sorenson, June B., '55 CLA, Brooklyn Park
Souba, Thomas H., '78 AG, Owatonna, Minn.
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Ullrich, Dr. Peter H., '62 MED, Eau Claire, Wis.
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Welna, Thomas J., '73 BIOSC, New Brighton
Welna, Mrs. (Thomas J.) Eileen M., '69 BIOSC, New Brighton
Wendt, Chrissa E., '30 HEC, Cookeville, Tenn.
Wilcox, Janet F., '74 NURS, Minneapolis
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Werner, Mrs. (Daniel J.) Margaret C., Plymouth
Werner, Dr. Ralph J., '45 DENT, Menomonie, Wis.
Zats, Bert S., Minneapolis
Zats, Mrs. (Bert S.) Marjorie, Minneapolis

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February 1981

Aafedt, Michael D., '68 LAW, Minneapolis
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Abramson, Mrs. (Andrew E.) Mary Ellen, '47 ED, Excelsior
Anderson, Dr. Dorrance I., '49 DENT, Santa Barbara, Calif.
Bakken, Constance L., '46 MEDTC, New Brighton
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ormann, Walter H., 'W St. Paul
oeden, Doris, '47 GRAD, Minneapolis
resser, James W., '53 IT, Winona, Minn.
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rchul, Mrs. (John J.) Dr. Ellen Zacher, '38 ED,
Rancho Palos Verdes, Calif.
rickson, Dr. Lawrence G., '73 MED, Hastings
lanos, Theodore C., '47 IT, Edina
lanos, Mrs. (Theodore C.) Phyllis R., Edina
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holte, Ralph B., '76 MORSC, Fargo, N.D.
Johnson, Robert D., '50 CLA, Elgin, Ill.
Johnson, Scot L., '79 IT, Pensacola, Fla.
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'72 ED, Eden Prairie
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GRAD, Atwater, Minn.
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Mumm, Mrs. (Robert R.) Greta L., '38 NURS,
Bettendorf, Iowa
Musial, Cora E., '78 GRAD, Kirkwood, Mo.
Olson, James O., '74 CLA, Minturn, Colo.
Petersen, Wallace E., '50 PHARM, Faribault,
Minn.
Peterson, James G., '49 GRAD, Excelsior
Schroeder, Dr. Albert J., '45 MED, Minneapolis
Schroeder, Mrs. (Albert J.) Ruth Chamberlan,
'42 HE, Minneapolis
Schubert, Dr. Glen O., '52 VET M, College Park,
Md.
Schwappach, Roy A., '50 LAW, Hopkins
Schwappach, Mrs. (Roy A.) Hopkins
Seetin, Mark W., '76 GRAD, Winnebago, Minn.
Seetin, Mrs. (Mark W.) Elizabeth Molyneux, '75
ED, Winnebago, Minn.
Segal, Saul W., '49 BUS, Wayzata
Sikorski, David C., '73 CLA, Minneapolis
Strickler, Kathleen A., '71 MEDTC, Richfield
Tader, Douglas B., '79 CLA, Minneapolis

NEW INSTALLMENT LIFE MEMBERS February 1981

Anderson, Harold P., '67 AG, Rockwell City, Iowa
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Antonovsky, Mrs. (Carl K.) Erolca K., '54 BUS,
Bronx, N.Y.
Asplin, Edward W., '43 BUS, Excelsior
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Backstrom, Donald, '61 LAW, Bloomington
Barthel, John T., '79 BUS, Fergus Falls, Minn.
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Bergen, Mark J., '80 LAW, Minneapolis
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Texas
Bjornstad, Dr. William B., '45 MED, Des Moines,
Iowa
Bjornstad, Mrs. (William B.) Edith M., Des
Moines, Iowa
Burger, Leo F., '52 IT, La Mesa, Calif.
Burger, Mrs. (Leo F.) Colette, La Mesa, Calif.
Campbell, James H., '38 ED, Garfield, Ark.
Campbell, Sandra J., '69 ED, Champlin
Casey, Leland J., '40 IT, Chevy Chase, Md.
Chamberlain, Roger P., '74 AG, Roseville
Chamberlin, Richard W., '67 CLA, Edina
Chamberlin, Mrs. (Richard W.) Cynthia L.,
Edina
Christenson, Marvin E., '65 DULUTH, St. Paul
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Crisman, Mrs. (Francis N.) Therese J., '79 CLA,
Robbinsdale
Lachis, Gary A., '67 CLA, Robbinsdale
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LeBoef, Mrs. (Jelle) Linda V. G. Harris, '74 ED,
Plymouth
Elisi, Scott H., '80 LAW, St. Paul
Elisi, Mrs. (Scott H.) Elizabeth M., St. Paul
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Dodge, Mrs. (Jay W.) Karen A., Robbinsdale
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Doughman, Mrs. (Donald J.) Carol L.,
Minneapolis
Ellis, Catherine, '79 BUS, Wichita Falls, Texas
Engebretson, Donald E., '39 LAW, Wayzata
Ford, Deborah A. Champagne, '76 IT, Chantilly,
Va.
Frye, Elizabeth A. Hampman, Robbinsdale
Gallogly, Almee L., '77 BUS, Bloomington
Germain, Michal A., '79 NURS, Osceola, Wisc.
Goodrich, Gordon F., '60 BUS, St. Paul
Grossbach, Sharon K. Fink, '79 GRAD,
Minneapolis
Hanna, Dennis J., '78 CLA, San Francisco
Harris, Barney W., '78 BUS, St. Paul
Hayenga, E. Sharon, '81 GRAD, Columbia, Mo.
Holt, Bradley R., '79 IT, Madison, Wisc.
Honkola, Dr. Robert A., '66 DENT, Bismarck,
N.D.
Honkola, Mrs. (Robert A.) Lu Anne, Bismarck,
N.D.
Hovind, Gary E., '78 BUS, Minneapolis
Johnson, Dr. Beth L., '76 MED, Vermillion, S.D.
Johnson, Donovan R., '80 ED, Minneapolis
Johnson, Mari Leigh, '80 ED, St. Paul
Joyce, Edwin C., '69 IT, Shoreview
Joyce, Mrs. (Edwin C.) Darlene C., '69 CLA,
Shoreview
Kernan, Edward, '48 ED, North Brook, Ill.
Kernan, Mrs. (Edward) Barbara Iverson, '49
CLA, North Brook, Ill.
Knaak, Dr. William, '69 GRAD, White Bear Lake
Knutson, Richard C., '70 BUS, Burnsville
Knutson, Mrs. (Richard C.) Karen, Burnsville
Koenig, Dr. Robert, '73 GRAD, Chippewa Falls,
Wis.
Kopet, Mary H., St. Paul
Landreville, Michael, '80 BUS, Minneapolis
Langmo, Keith H., '56 AG, Litchfield, Minn.
Lavine, David A., '49 CLA, Minneapolis
Lewis, Harold J., '54 GRAD, Minneapolis
Loff, Marvin R., '54 BUS, Minneapolis
Loye, Edward V., '72 IT, Minneapolis
Loye, Mrs. (Edward V.) Susan E., '70 ED,
Minneapolis
Lunde, L. Bryan, '80 FOR, Bloomington
Lundeen, Lawrence A., Clearwater, Fla.
Lundeen, Mrs. (Lawrence A.) Karen L. Wefald,
'55 OT, Clearwater, Fla.
Lundstrom, Roy E. Jr., '54 CLA, Roseville
Mackie, James B., '69 ED, Pleasant Hill, Calif.
Macnally, Richard S., '76 DULUTH, Greenfield,
Wis.
Madigan, Thomas J., '78 IT, Columbia Heights
Madson, Dr. James M., '59 IT, St. Louis
Marrinson, Richard, '59 BUS, Tulsa, Okla.
Miller, Jerome M., '57 GRAD, St. Paul
Mitchell, Barbara, '80 AG, St. Paul
Mungavan, Thomas E. Jr., '66 BUS, Plymouth
Murphy, Hon. Diana, '74 LAW, Minneapolis

Nolan, Matthew J., '40 IT, Santa Maria, Calif.
Norman, Nancy A. Nesseth, '72 GRAD, Duluth
Olson, Gaylord S., '56 BUS, Dowagiac, Mich.
Ostergren, Dr. W. Douglas, '54 DENT, St. Paul
Ostergren, Mrs. (W. Douglas) Phyllis, '53
DENHY, St. Paul
Paylich, Anne L., '62 GRAD, Bethesda, Md.
Pippert, Gregory Neil, '73 IT, Fullerton, Calif.
Poppe, Joel A., '79 AG, Trimont, Minn.
Quiram, Dr. Lyle C., '63 DENT, Plainview, Minn.
Reineke, James M., '69 GRAD, Bloomington
Reineke, Mrs. (James M.) Sandra King, '67
NURS, Bloomington
Ruble, Elton S., '63 AG, Fargo, N.D.
Sampson, Eloise B., '71 GRAD, Stillwater
Schroeder, Dawn E., '70 DULUTH, Rochester
Schumacher, Edward, '67 IT, Wilmette, Ill.
Schumacher, Mrs. (Edward) Susan M.,
Wilmette, Ill.
Semeja, Edward W. F. E., '41 AG, Virginia,
Minn.
Semeja, Mrs. (Edward W. F. E.) Mae Dimich,
Virginia, Minn.
Seropian, Juliet B., '80 BUS, St. Paul
Shaffer, Harold K., '46 AG, Pipestone, Minn.
Shaffer, Mrs. (Harold K.) Norma A., '47 HE,
Pipestone, Minn.
Sherck, Carol J., '73 CLA, Robbinsdale
Sherman, Robert J., '40 GC, Edina
Sherman, Mrs. (Robert J.) Edina
Shuster, Joseph M., '55 IT, New Prague, Minn.
Shuster, Mrs. (Joseph M.) Patricia A. Miller, '55
NURS, New Prague, Minn.
Smith, Patrick G., '78 IT, Edina
Srdar, Frank M., '49 BUS, Richfield
Starkey, Arthur D., '66 CLA, Athens, Ohio
Stormoe, Donovan K., '69 IT, Bloomington
Struck, Joseph O., '78 BUS, St. Paul
Tighe, Steven A., '76 ED, Golden Valley
Tollefsbol, Dr. Richard, '66 DENT, Desoto, Texas
Tollefson, Timothy G., '78 FOR, Winter, Wis.
Tragethon, Halina Huebner, '69 CLA,
Minneapolis
Troemel, Lois Michael, '59 NURS, Minneapolis
Vasey, Edward P., '72 MORSC, Maplewood
Vasey, Mrs. (Edward P.) Kren A., Maplewood
Virogen, Debra J., '77 ED, Burnsville
Ward, Dianne A., '79 LAW, St. Paul
Whitlock, Robert P., '61 LAW, Minneapolis
Wick, Donald L., St. Paul
Wick, Mrs. (Donald L.) Shirley A. Rainer, St.
Paul
Wilcox, Wallace W., '40 IT, Menlo Park, Calif.
Wilderson, Prof. Frank B. Jr., Minneapolis
Wilderson, Mrs. (Frank B.) Ida Lorraine, '72
GRAD, Minneapolis
Willemssen, Mac R., '77 LAW, Chaska
Willemssen, Mrs. (Mac R.) Judith A., '79 GRAD,
Chaska
Wolden, Lee R., '78 DULUTH, Duluth
Woodhams, Laura K., '45 CLA, Wichita, Kan.

I want the bargain of a lifetime. Please enroll me as a life member of the Minnesota Alumni Association before the dues increase.

Enclosed is my check for \$_____ to activate the type of life membership I've checked below. (Membership rates valid through June 30, 1981 only)

Life Membership, Single Payment Plan

_____ Single (\$175) _____ Single, discount (\$150)
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Name _____
(include middle initial, married alumnae include maiden name)

Address _____ Phone (____) _____

City _____ State _____ ZIP _____

Dates attended U of M _____ College attended _____

Did you graduate? _____ If yes, year of graduation and degree(s) received _____

Spouse information (for husband/wife membership)

Spouse's name _____
(include middle name and/or maiden name)

College and years of attendance, and degrees received _____

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Minneapolis, Minnesota 55455

My Easy Chair

FOR FUN I could have seen "Fame" or "The Stunt Man" or listened to Doc Watson strum and hum through some tunes at Coffman Memorial Union.

For edification I could have attended a lecture on the legal implications of the massive incarceration of Japanese-Americans during World War II or heard Czechoslovakian composer Petr Kotik talk about his new music.

For better health I could have attended a festival highlighting junk food, drugs, aerobic dance, healthy sexual functioning, booze, nuclear radiation, nutrition, weight control, emergency preparedness.

It's all part of the diverse activities available at Coffman, celebrating its 40th anniversary. (The Union opened Sept. 23, 1940.)

Instead, I went to an evening talk featuring Lewis H. Lapham, who has been editor of *Harper's* since 1975, and who was a guest of the Minnesota Journalism Center, established in 1979 through a \$2 million gift from the retired chairman of the Minneapolis Star and Tribune Co., John Cowles Sr., and his late wife, Elizabeth Bates Cowles.

Lapham said the first issue of *Harper's* appeared in 1850, was sent to 7,500 subscribers, and cost 25 cents a copy.

The first issue of *Minnesota* appeared Sept. 1, 1901, was sent to 600 subscribers, and sold for less than three cents a copy.

The first editor of *Harper's*, Henry J. Raymond, also became the first editor of *The New York Times*.

The first editor of *Minnesota*, E. B. Johnson, became the first director of the Minnesota Alumni Association.

Harper's, Lapham said, asks what is, not what ought to be.

Minnesota, too, tries to deal

with the way the University is, not with what it ought to be. That editorial direction is sometimes controversial, sometimes unpopular with alumni.

I think the magazine should be professionally produced; be visually attractive; be intelligently written; encourage two-way communication; be published no fewer than eight times during the academic year; stimulate thought; answer questions; raise issues; support the Minnesota Alumni Association; and recognize achievements involving alumni, faculty, students, staff, and friends.

When it was 40 years old — and it will be 80 years old in September — the *Minnesota Alumni Weekly* was mailed to more than 10,000 subscribers and was third in circulation among the 172 alumni magazines published in the United States.

With this issue the circulation exceeds 20,000 subscribers (dues-paying members) who live in 50 states and 78 countries.

There are only three known complete sets of *Harper's* issues going back to 1850; one is in the New York Editorial office, another is at Columbia University, and the third was a recent gift from the Star and Tribune (former owners of *Harper's*) to the School of Journalism and Mass Communication.

Complete sets of *Minnesota* are found in the Alumni Center (100 Morrill Hall) and in the Archives (Walter Library).

When a student asked Lapham what he'd like to see happen to *Harper's* he said he'd like to have more pages, smaller type, more correspondents, more departments, and see the circulation drop to 200,000 from its present 325,000 but that subscribers would be charged \$20 to compensate for the loss.



A 1901 *Minnesota Alumni Weekly* cover announcing the death of Gov. John S. Pillsbury, father of the University, who used to walk to the campus each night to see that all the lights were out.

Minnesota would enjoy the same except for the drop in circulation. I'd like to double or triple that amount because subscribers equal members and the association can't grow without more members.

When the *Minnesota Alumni Weekly* was changed to a monthly, its editor, William S. Gibson, put it this way in the April 1943 issue:

"In the masthead in the adjoining column is officially noted the change in name and frequency of publication of this magazine which abruptly converts us from being a weekly contemporary of *Time* and the *Saturday Review of Literature* to a monthly contemporary, without too sharp a similarity, of *Harper's* and the *National Geographic*.

"This lack of similarity is a normal consequence of the fact that alumni magazines possess functions and purposes which are peculiarly their own.

"Ideally, an alumni journal should combine certain distinctive characteristics of all four of the periodicals mentioned than attempt to become an imitation of any one."

Join Us for an Italian Adventure

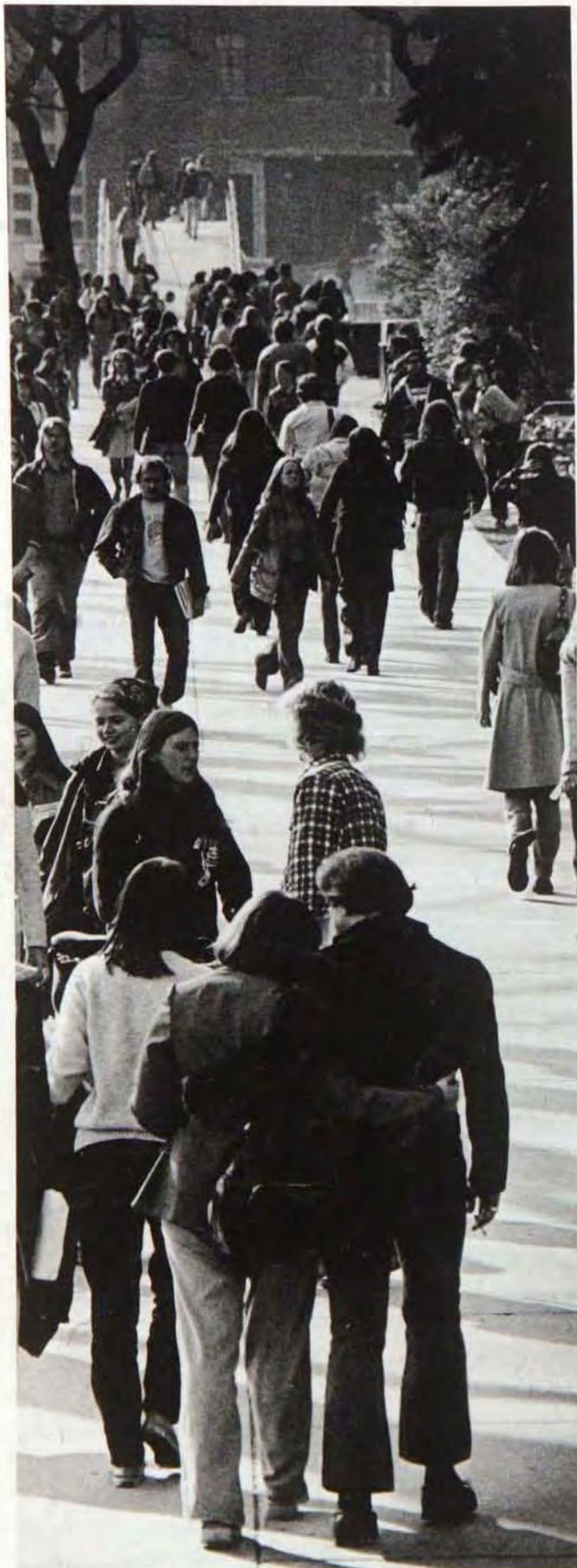


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