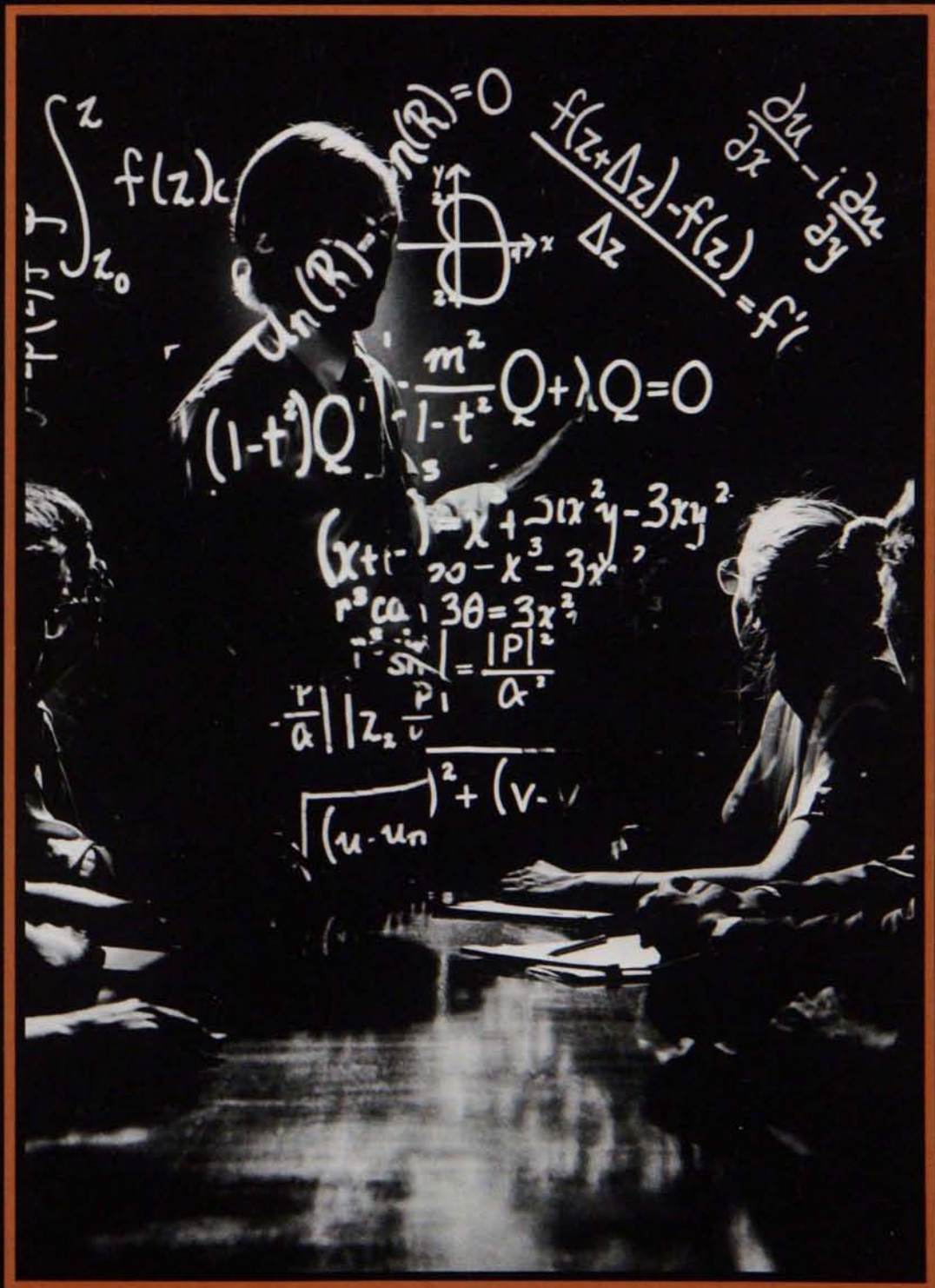
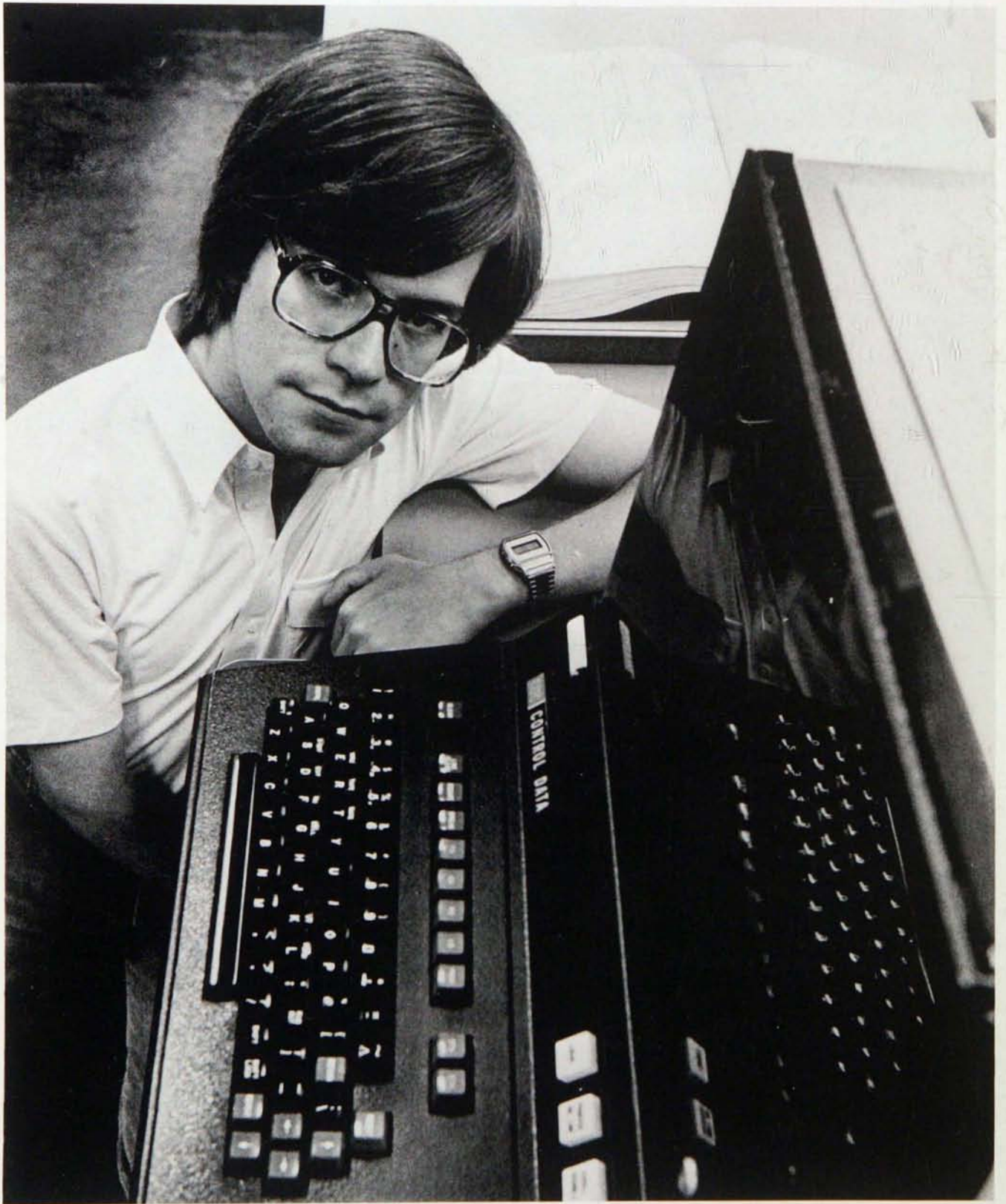


MINNESOTA

University of Minnesota Alumni Association

September 1981





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ISSN: 0164-9450

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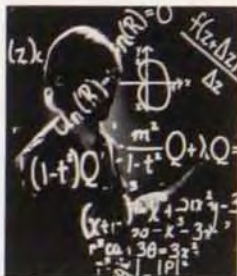
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Minnesota, September 1981, Number 1, is published monthly from September through June, except January and February, by the Minnesota Alumni Association, 100 Morrill Hall, 100 Church Street SE, Minneapolis, Minnesota 55455 (612-373-2466). Second-class 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.



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Some parts of the proposal were rewritten 20 times. But it paid off when the University of Minnesota was successful in getting the new math institute.



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Roger Staehle has already landed \$5 million and he's looking for a like amount to invest in research at the Institute of Technology.



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General College is either misunderstood or unknown, although it's been around for almost 50 years.

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Cover: The meeting of the best mathematical minds in the world will fill the air with formulas and creative sparks when the new National Institute of Mathematics and Its Applications begins operating at the University of Minnesota in the fall of 1982. Photo by Paul Shambroom, copyright 1981.

Inside Front Cover: He spends nearly 60 hours a week at it. In addition to his homework, Dan Germann, a senior in computer science, responds to other students' questions and helps them correct their computer problems. "Some people like photography or hang gliding. I like computers," says the 19-year-old from Edina, Minn. Photo by Jean Pieri, *Minnesota Daily*.

STEVE ROSZELL

Our National Resource

You have a lifelong stake in the fortunes of the University of Minnesota — a stake that is both personal and profound. Through your membership in the Minnesota Alumni Association, you enrich the University as you help to ensure the quality of the University, today, and into the future.

As I make the case for membership in the Minnesota Alumni Association in my meetings with alumni groups around the state and nation, I like to remind alumni that the value of the degree earned in

the 1950's, for example, is measured by the quality of the University in 1981. And you will see in the following pages, the investment you made in a Minnesota education is paying great personal dividends. The reputation of this University has never been greater. The stories you'll read in this magazine demonstrate the broad importance of this University to our future.

In this issue you'll read about the General College on the eve of its 50th anniversary. You'll read about honors and awards earned by the faculty and alumni. And you will learn about the National Institute of Mathematics and Its Applications, recently awarded to the Institute of Technology; and about the dynamic

dean of the Institute and his ambitious plans for that college.

I hope you also read the expanded section called "Colleges & Schools," which involves news from the colleges and departments supported by constituent alumni societies and groups affiliated with the association through the constituent society program.

I've always thought of Minnesota as a state of natural resources: lakes, forests, great natural beauty. The most impressive resource I've encountered, however, is the University of Minnesota. While it's not a natural resource, it surely must be considered a national resource.

Even in the face of national problems like inflation, recession, and energy shortages, clearly the University of Minnesota holds promises for a better, more secure future. It is this future you encourage with your membership in the Minnesota Alumni Association.

In the year that association membership set a Minnesota record and the University Foundation made the University the national leader among public institutions for raising private support, it is no coincidence the University of Minnesota returned the abundant achievements you'll read about in this and future issues of *Minnesota* magazine.

You've recognized that an annual membership is a small price to pay to maintain your association with a great national academic resource, the University of Minnesota. To continue our growth and to provide greater alumni service to the University, we'll need your help in encouraging other alumni to help us meet our 25,000 membership goal.

On behalf of the Alumni Association board of directors, I thank you for the understanding and support you've demonstrated for the University by joining the Alumni Association and by reading *Minnesota*.

Steve Roszell
Executive Director



LETTERS

'Save Me a Brick'

Editor's Note: The University of Minnesota and the Metropolitan Sports Facilities Commission are negotiating on a contract, which would allow the Gophers to play in the new dome stadium. The deal, however, will have to be approved by the Board of Regents. As of this date it is not known when the package will be presented. In the meantime, Minnesota received more than 100 letters dealing with controversy as to whether the Gophers should stay in Memorial Stadium or move to the Minneapolis dome.

I read with great interest and much nostalgia the pros and cons concerning Memorial Stadium ("Will the Gophers Ever Call the Dome Home?" April 1981).

As a former manager for the Golden Gophers in the late '50s and early '60s, the hours spent at the Brick House are ones always to be cherished. As much as I would like to see Memorial Stadium remain, if only to rekindle my memories of those pleasant Saturday afternoons, the inevitable must be realized. As a businessman I realize the renovation cost when divided by the hours of use are prohibitive. This valuable land could be better utilized by our growing University. Unfortunately, Memorial Stadium has reached a point where nostalgia and a few hours on Saturday cannot be cost justified. If the decision to move to the Dome is not made at this time, it would be an error, and would only delay the eventual correct decision. I personally ask only one

thing, save me one brick for my office so that the memory can linger.

Edward K. Jorgensen '59
Franklin Park, Ill.

Too Cold? Move Inside

In respect to where the Gophers should play football, a couple of somewhat comparable situations may be helpful, especially if in large metropolitan locations like the Twin Cities.

Take Tulane University in New Orleans. They moved out of their Sugar Bowl to the Superdome. Is their team any better? No. Is their attendance any better? No.

Or take the University of Pittsburgh. They stayed where they were in the Old Pitt stadium on a hill near the campus — but cleaned and painted it up. Is their team any better? Yes. Is the attendance better? Yes.

I submit that the Gopher attendance troubles are not that they are not playing in a dome (nobody else in the Big Ten is) but that they don't have a winning team. In a large metro center, students and fans are pretty jaded. They only support a *winner* — there are too many other things to do. Look how baseball and hockey are supported.

It seems to me that if the Athletic Department, the M Club, and interested fans would work to get better players instead of campaigning so hard on a peripheral subject, and tidy up what we have, that the University's Golden Gophers would return. Or a compromise; play those cold November games in the dome, but the others at the stadium. This could be done at a time that would not conflict with the Vikings games.

Haakon B. Groseth '29
Sarasota, Fla.

Stay Put!

Here are five reasons why the Gophers should stay at Memorial Stadium rather than move to the new Domed Stadium:

1. College football belongs on a college campus. It should not be professionalized.

2. Moving to a new stadium does not, and shouldn't even be allowed to, revitalize a program. Revitalization should be created by invoking a different kind of energy than "bricks and mortar."

3. Watching football in an enclosed space in the fall cannot possibly be as enjoyable as watching it outdoors. The Gophers should allow us the choice between watching football outdoors or indoors. My enjoyment of outdoors football means I can no longer go to Vikings games. Please allow me Gopher games.

4. The downtown stadium will create terrible traffic conditions for people wanting to go downtown (instead of to the stadium). Saturday is a traditional downtown day for many people. For the Gophers to thwart that tradition for thousands of southside city-dwellers will engender lots of bad publicity for the athletic program.

5. Memorial Stadium is a perfectly good stadium.

Steven E. Mayer '73
Minneapolis

A Dead Issue

So there were less than five letters from St. Paul regarding your last issue of Dome vs. Memorial Stadium.

I wrote but did not mail my letter. After reviewing it I thought as did several thousand more alumni: Why vote on a dead issue?

A. F. Wolter '17
St. Paul

Forget the Murders

Your mention of the murders ("The Congdon Place," June 1981) was expected, however, most media articles highlight them. Glensheen's philosophy is to present the aesthetic, not the sensational.

As you stated, the murders are not discussed. The docents have heard and read about the murders and most are repulsed and horrified by them. So why repeat it? Because of someone's morbid curiosity? Many of the docents personally knew Elisabeth Congdon and want to remember her as a kind and generous person, not a murder victim.

Visitors to Glensheen will come to view and experience a unique historical artifact that is operated by the University of Minnesota as a museum and research facility. If they are coming to hear about the murders, they, too, will be disappointed.

Michael J. Lane
Director, Glensheen
Duluth

He Remembers Harvey

I think your magazine is a very good one. I am impressed both by the thoroughness of its pieces — its major features — and their spread. You treat both on-going things at the University and things in the past of interest to your readership, and I consider that good editing. Incidentally, I was especially interested in the yarn about Harvey Goldstein ("History By the Boxful," June 1981) because he was one of my first students when I came to Minnesota in 1934.

Mitchell V. Charnley
Minneapolis

Classmates Not Forgotten

Please accept my applause for your splendid May 1981 edition of *Minnesota*. Yours is a rare talent. You produce consistently a periodical that combines the highest degree of professionalism with the relaxed and personal style of an interested participant in reported affairs.

I found several points of special interest in this issue:

David Lilly, CBA dean, and I were classmates at one time — third and fourth grades in St. Luke's parochial school in St. Paul. No contact since then.

Norman Katkov and I worked for the *St. Paul Pioneer Press* at approximately the same time. Ralph Rundle of Chicago is an old and dear friend from pre-World War II days. Ozzie St. George is an acquaintance, made and developed when he was a St. Paul columnist. Before the big war, I came to know a number of journalism students who, later, made their important contributions to the news information business. These were the denizens of the old Pillsbury Hall basement and toilers on the *Daily*; then, a folio-sized newspaper, not the "doily" (tabloid) which it later became.

Paul Lawson '47
St. Paul

300 Versus 12?

The University Blimp ("It's a Bird . . . It's a Plane . . . It's a Super Classroom," March 1981) is a great idea! Comparing its capacity (300 faculty and students), and size to the Goodyear Blimp, with a capacity of 12 passengers, the University Blimp must be full of hot air!

Alice C. Bostrom '69, '71
Crystal, Minn.

Midshipman Is Identified

Needless to say I was surprised to see my picture on page 29 of the December issue of *Minnesota*. I am the unidentified midshipman standing next to Liberace.

Liberace was performing at the Nicollet Hotel and had agreed to make an appearance at our Joint ROTC dance held in the armory. I was president of the Joint ROTC council that sponsored the dance. The picture was taken in Liberace's suite at the Nicollet Hotel.

Incidentally, at graduation I was commissioned an ensign and served for 22 years before retiring in 1972 as a commander (SC) United States Navy.

Reynold C. Tveita '50
Minneapolis

'Impressed,' Simmons Says

I would like to express to you my appreciation for the fine cover story ("Life After 40," May 1981) on Coffman Union. I was very impressed with the article's tone, its accuracy and its timeliness. We are happy to have this added attention focused on Coffman Union as we celebrate our 40th anniversary throughout the 1980-81 year.

Rufus L. Simmons '74
Director, Coffman
Memorial Union

AT THE 'U'

New Regents' Professors Chosen

John R. Borchert, professor of geography, and John S. Chipman, professor of economics, have been awarded the prestigious regents' professorships, the highest honor the University gives to its faculty members.

Borchert's and Chipman's appointments bring to 33 the number of regents' professorships awarded since the first five regents' professors were named in 1965.

The title carries with it a \$5,000 annual stipend as long as the individual remains on the faculty.

Borchert's work in geography focuses on public policy in land use and resource management. He was director of the University Center for Urban and Regional Affairs from 1968 to 1977 and last year served as interim director of the Hubert H. Humphrey Institute of Public Affairs.

He has been a member of the faculty since 1949 and chaired the geography department from 1956 to

1961. During his tenure, he has served as a consultant to the Minnesota Commission on Solid and Hazardous Waste and the Upper Midwest Council.

Borchert was elected to both the National Academy of Sciences and the American Academy of Arts and Sciences in 1976. He holds degrees from DePauw University in Greencastle, Ind., and the University of Wisconsin.

Chipman joined the University faculty in 1955 and in 1961 served as a consultant to the United Nations Economic Commission for Latin America. In 1966 he was consultant to the National Science Foundation advisory panel for economics.

He is a fellow of the Econometric Society and a member of the American Academy of Arts and Sciences. Last year he won an \$18,000 grant from the Guggenheim Foundation to develop a computer model for forecasting the effect of world prices on the United States economy.

Chipman is a graduate of McGill University in Montreal and Johns Hopkins University in Baltimore, Md. He taught at Harvard University from 1951 to 1955.



John R. Borchert



John S. Chipman

54 Faculty, 122 Staff Retire

Pioneers in heart transplantation and genetics, two coaches, and the woman from whom most Twin Cities campus students have sought help at one time or another are among 54 faculty and 122 staff who have retired.

They include:

Richard L. Varco, 68, regents professor of surgery, whose former students include many of the world's foremost heart transplantation specialists. During more than 40 years at the University, Varco did pioneering work in organ transplantation, developed a surgical technique to lower blood cholesterol levels in heart patients, and helped develop an implantable pump that acts as an artificial gland and can dispense a variety of drugs.

The infusion pump made national headlines recently when University Hospitals' surgeons implanted it in the chest of a diabetic man, where it now releases insulin.

Varco was a member of the team that performed the nation's first successful open-heart surgery, at University Hospitals', and led the team that conducted the first kidney transplant in Minnesota. He was named regents' professor in 1974.

Raymond W. Darland, 70, who was provost at the University's Duluth campus from 1953 to 1976, when he stepped down to become a senior development officer. During Darland's years as provost, he presided over the rapid expansion of the Duluth campus and saw the enrollment rise by nearly 5,000. Darland joined the faculty in 1948 as an associate professor of biology. He headed the department for three years, served one year as academic dean at University of Minnesota at

Duluth, and was named provost in 1953.

Ralph E. Comstock, 68, regents' professor of genetics and cell biology, who is internationally recognized for his pioneering work in quantitative genetics. Through his research, he made substantial contributions to the study and use of artificial insemination, and his work in the breeding methods of both plants and animals sparked research all over the country.

Comstock joined the University faculty in 1937 and was the first head of the department of genetics.

John A. Kundla, 64, associate professor of physical education, recreation and school health education, who coached the Gopher basketball team from 1959 to 1968. Before joining the University coaching staff, Kundla was the coach of the Minneapolis Lakers for 12 years and led his team to five divisional and six world championships. During his years in pro basketball, he coached such players as George Mikan, Jim Pollard, Slater Martin, and Elgin Baylor.

Kundla was the first Gopher basketball coach to be an alumnus of the team.

George A. "Butch" Nash, 65, assistant professor of physical education and athletics, who has been assistant Gopher football coach for more than 34 years. Many of Nash's proteges at the University graduated to successful careers as professional football players, including Carl Eller, Charlie Sanders, John Williams, and Bob Stein.

Genevieve M. Cole, 63, who answered countless questions from students, staff, and faculty during 20 years in the Minneapolis campus information booth. Cole began her University career as a mail clerk in 1953, and for 20 years was a source for students who needed to know where to catch a bus, how to register for classes, where to get counseling, or how to find a job.

13 Percent Tuition Hike Approved

Students at the University of Minnesota will pay 13 percent more in tuition this school year, with three percent of that amount for library acquisitions and teaching equipment.

The tuition increase is part of a \$760.7-million budget for 1981-82 approved by the Board of Regents.

With the tuition increase, students in the College of Liberal Arts, the largest college in the University system, will pay \$351 each quarter, an increase of \$42 over last year's tuition. Students pay roughly one quarter of the cost of their education.

The administration proposed the three percent addition after the legislature failed to appropriate as much money for library acquisitions and teaching equipment as the University has requested. The budget for library acquisitions rose two percent last year while the rate of inflation in book and periodical prices has risen 13 percent in both of the last two years.

The University gets roughly 33 percent of its money from the state. The other two-thirds comes from federal and private sources, tuition and fees, and sales and services.

The \$760 million budget does not include any money for increases in faculty and civil service salaries. The legislature did not specify the amount allocated for faculty salary increases this year, deciding instead to wait until other unionized faculty groups in the state have arrived at a salary package.

January Deadline for Interns

The Office of International Programs has been granted \$130,000 from the Ford Foundation for the International Human Rights Internship Program.

The money will be used to provide practical training for 10 to 12 interns who will be placed with international human rights organizations in Geneva, London, New York, and Washington, D.C., law professor David Weissbrodt, director of the program, said.

Since 1976, the internship program has placed 65 interns with more than 30 organizations. Among groups participating are the International Commission of Jurists, the International Labor Organization, the International League for Human Rights, the Inter-American Commission on Human Rights, and Inter-Culture Studies Information Service, an international feminist information exchange in Geneva.

Most of the interns are recent graduates of universities or persons who have had some academic training in international human rights. Each intern receives a stipend of from \$8,000 to \$10,000.

The interns are from law, international relations, journalism, political science, history, anthropology, and other fields. Last year more than half of the participants were from other countries.

Persons interested in applying for an internship beginning in January of 1982 may contact: Ann Blyberg, administrator, International Human Rights Internship Program, 229 19th Ave., S., University of Minnesota Law School, Minneapolis, Minn. 55455.

Juvenile Justice Focus of New Study

The Northwest Area Foundation has awarded a two-year, \$210,518 grant to the Hubert H. Humphrey Institute of Public Affairs to underwrite an Institute study on juvenile justice.

The study, which will be done in consultation with the University's School of Social Work, will be headed by Ira Schwartz, former administrator of the Office of Juvenile Justice and Delinquency Prevention in Washington, D.C.

The study will examine the role and future of the juvenile courts and reasons why juvenile justice system reforms that took place during the late 1960s and 1970s have either failed or have had little success.

These reforms were meant to give juveniles the same legal rights and procedural safeguards as adults, to make the system more consistent, and minimize the use of juvenile correctional institutions.

Today, however, there are widespread inconsistencies in the handling of juveniles across the country. The numbers of juveniles in correctional institutions have remained high despite a general decline in youth population.

Regents Accept Court Order

The Board of Regents has decided to accept the terms of an order handed down by a court-appointed panel in an eight-year-old sex discrimination suit against the University.

In a closed session the board agreed to accept the recommendation of University President C. Pe-

ter Magrath and Vice President Nils Hasselmo not to appeal the 10-point, May 19 order made by three "special masters."

The special masters were appointed last year by U.S. District Court Judge Miles Lord to oversee sex discrimination claims brought by women faculty members. Their appointment was part of a 1980 consent decree signed by the University and former chemistry faculty member Shyamala Rajender, who filed suit in 1973, alleging sex discrimination after she was denied tenure. The case was later extended to include all female academic non-student employees and successful female candidates for nonstudent academic jobs.

According to the regents, 213 claims and petitions have thus far been filed with the special masters by 171 claimants.

Five cases have been dismissed by the special masters because they related to civil service positions; one was dismissed because the claimant was not a full-time employee; one claim has been prepared for trial in a separate action; 12 have been sent by the University back to the special masters because "the University has decided that no further action on its part was required"; and seven cases are in the midst of settlement negotiation.

The board is "committed to affirmative action, and all agree that the consent decree is something that has to be expedited, carried forward and fulfilled," Magrath said.



Partial Memorial Stadium remodeling plan is approved.

Memorial Remodeling Approved

The Board of Regents have approved an \$850,340 remodeling project for sections of Memorial Stadium. The remodeling will provide space for the Minnesota Heart Health Program, a nine-year project to study heart disease prevention.

Although the University is currently considering moving its football team to the new downtown domed stadium, Memorial Stadium would have to remain standing for some time because it houses several other University departments.

"Under the best plan, the stadium would still be here for 8 to 10 years even if the football team moved," assistant vice president Clint Hewitt told the board.

If all of the units currently in the stadium building were to be moved, a new \$10 million building would have to be constructed. Hewitt told the board that the amount of money that would have to be borrowed to pay for the remodeling would be paid off before the stadium could be torn down.

Mathematics Spoken Here

by Chuck Benda

Mathematics, perhaps more than any other form of communication, is a universal language. Radio astronomers recently sent a series of radio signals into space, hoping to communicate with other intelligent life forms in the universe. The messages they sent were essentially mathematical messages, which they felt would be more intelligible to alien life forms than any of the major earth languages.

Mathematics is the language of science; a language without which most of the research currently being conducted in physics, chemistry, biology, economics, and virtually

proposal submitted by the University of Minnesota's mathematics department was chosen over those from more than a dozen major universities, including schools with traditionally strong mathematics programs, such as Harvard and the Massachusetts Institute of Technology.

"It's fantastic," Roger Staehle, dean of the Institute of Technology (IT), said. "Each year they (the institute) will bring in a million dollars' worth of the best mathematical minds in the world — from Japan, western Europe, the Soviet Union, South America, Chicago, Harvard — to work on a single problem.

"Any time you bring such people together, you create sparks. You

tions," Hans Weinberger, math professor and director of the math institute, said.

By focusing the efforts of mathematicians, chemists, physicists, and engineers, Weinberger said they hope to come up with mathematical models that will result in improved productivity, efficiency, and quality control.

"For the most part, mathematics research is not the sort of thing that the average person on the street can work with," George Sell, associate director of NIMA, and a mathematics professor at the University, said. "Mathematics researchers sort of work for other scientists, who then work for the average person on the street."

Sell said that a good example of how mathematics research eventually benefits the man in the streets is that of the traffic signals that control access to the freeways in the Twin Cities area. "The traffic controller must decide how fast to have the lights change," Sell said. "And all of that is worked out according to a mathematical model that can take into account a number of problems, such as wanting to keep inner city air-pollution from cars waiting at the lights down, while avoiding a tremendous traffic jam on the freeway."

"The world can no longer afford to run an experiment to check out every new theory," Staehle said. "It's becoming more and more necessary to have mathematical formulations to assure the reliability of

"Each year they will bring in a million dollars' worth of the best mathematical minds in the world."

every other science, would be impossible.

After nearly a decade of debate, the National Science Foundation (NSF) has decided to fund two national institutes for mathematics research: one at the University of California, Berkeley, and one at the University of Minnesota. Competition for the grants was fierce. The

create things that never existed before."

The Minnesota institute — to be known as the National Institute of Mathematics and its Applications (NIMA) — will focus its research efforts on a different scientific problem each year.

"Certain problems in science seem ripe for mathematical solu-



Finding space, developing a scientific program, and writing a proposal took the efforts of faculty and administrators, including Hans Weinberger who was named director of the new math institute.

an aircraft; to assure the lifetime of a power plant; to get something to the moon." He said that mathematics research makes it possible to solve many of these problems more efficiently and economically.

"The first year we are going to focus on problems of phase transition," Weinberger said, such as when water freezes or when metal changes from a liquid to a solid.

"We want to know what really goes on when molten metal begins to solidify. How does that affect the structure of the metal? These things are very important in quality control of metal products."

Future research topics will be chosen by a board of governors made up of 10 to 15 top-notch mathematicians from around the country, Weinberger said. The board will generate some of the topics, and independent mathematicians may suggest others.

As many as 30 researchers will be working at the institute at any one time. Each year the institute will recruit a small number of stars — between six and 10 — to form the core of the institute. These stars will be mathematicians who are on the leading edge of research in their

specialty. They will be supported by a group of younger, post-doctoral mathematicians.

The NSF grant is \$800,000 for the first year, and is scheduled to be renewed for five years, provided the institute functions according to plan. At that time, Weinberger expects there will be a review, after which he hopes the institute will continue to be funded.

An additional \$80,000 a year will be supplied by a consortium of eight midwestern universities for the first five years. These universities expect to participate in the institute's activities. In addition Honeywell, 3M, Cray Research, and the Magnetic Controls Company — all Twin Cities high-technology industries — have pledged support to the institute.

Efforts to bring a national institute to the University began in 1978, before NSF endorsed the idea of a national institute, according to Willard Miller Jr., chairman of the University's largest department, mathematics.

"For many years there had been discussions in the mathematics community about the possibility of setting up a mathematics research

institute," Miller said. "There were several arguments for doing so. The Institute for Advanced Study at Princeton (which conducts some mathematics research), was too small to really represent what was going on in the mathematics community.

"Also, mathematicians had been relatively unsuccessful in getting funding from NSF in comparison to physicists and chemists and engineers. It was thought that a federally-funded mathematics institute would attract more attention in the scientific community and help to get funding from sources other than NSF.

"Others argued that focusing attention on a specific area of mathematics that seemed ripe for development would lead to more progress than the present method of funding individual mathematicians.

"There was a lot of opposition. There was a feeling that funding the math institute would take money away from the summer support that mathematicians get now.

"We heard through the grapevine that NSF was interested in soliciting proposals for a mathematics institute."

At a meeting in the fall of 1978 of the chairmen from the mathematics departments from the Committee on Institutional Cooperation (CIC) schools (the universities in the Big 10, plus the University of Chicago), it was decided, according to Miller, that if there was to be a national institute of mathematics, it should be at a CIC university.

"We decided we would all go back to our home departments and see if we could get some support for a mathematics institute at our home schools," Miller said.

At that time, Minnesota's mathematics department set up a committee to determine the level of interest in such an institute at the University of Minnesota. Eight members of the mathematics department faculty conducted a

preliminary investigation. The support for seeking the funding for such an institute at Minnesota ran high.

"We (the mathematics chairmen from the CIC) hoped that we could have another meeting in a couple of months and agree on one site in the CIC, and all the others would support that proposal," Miller said. "Well, it didn't work out that way."

At the second meeting of the CIC mathematics chairmen held in early December 1978, five of the 11 CIC schools, including Minnesota, announced that they were interested in submitting a proposal to NSF. They were unable to agree to back any one proposal, but they did agree to support one another to get the institute in the midwest.

In January 1979, NSF announced an August 1 deadline for the submission of proposals.

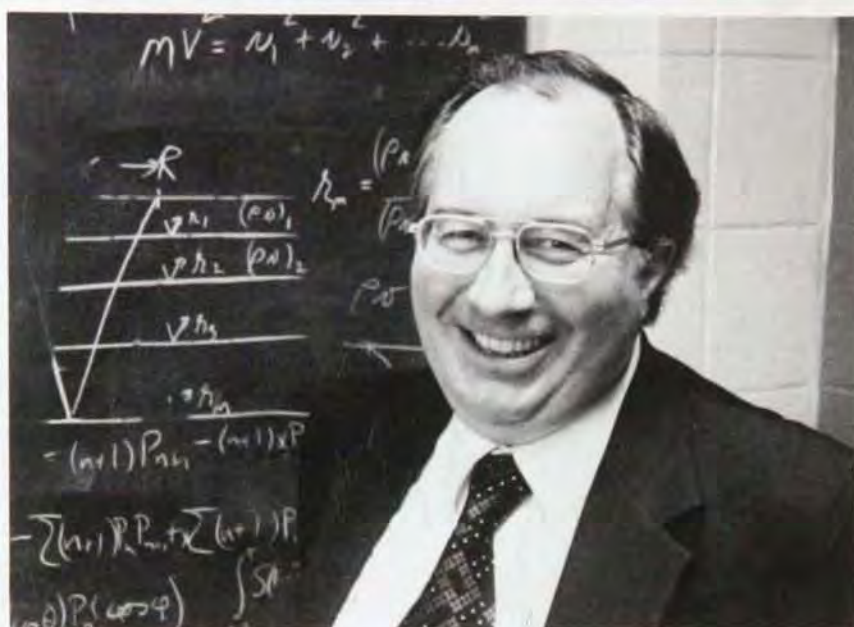
"We had to get cracking," Miller said. "It was going to require commitments from the deans and vice-presidents. We had to find space for the institute. We had to develop a scientific program."

That marked the beginning of an enormous collaborative effort that involved many members of the mathematics faculty, and other faculty in IT, much of the upper-level administrative staff at the University, and many of the chief executive officers of the local high-technology industry.

"We really went to work," Miller said. "We got a good deal from the University. They granted us space for the institute, free from the overhead costs for the first five years." (This amounted to a \$1.7 million contribution, figuring overhead at the standard rate for five years.)

Overhead costs were one thing, but finding the actual space was another, as Staehle explained.

"The Institute of Technology is bursting at its seams as an institution. We have about half as much space as we legitimately need



It's harder, now, to get mathematicians and scientists to move for one year, Professor George Sell said.

according to normal university standards. We're expanding on research, taking on new faculty, and our student load has gone up 10 percent a year for the last four years.

"To think of taking on this institute in terms of conventional set-up thoughts about space was almost a ludicrous idea, and yet we knew we had to go for it. I asked our department heads to agree to give up a little space here, an office there, to help distribute the mathematics faculty throughout IT until better arrangements could be made."

The department heads of IT agreed. Eventually enough offices were juggled to make space on the fifth floor of Vincent Hall available for the first years of the institute's operation.

The IT advisory council — a group of more than 50 business executives from the Twin Cities and across the country — played an integral part in advising the mathematics department in developing their proposal. Jim Thornton, president of Network Systems Corporation, and Bob Wesslund, vice-president of

systems and services at Control Data Corporation, helped with some of the revisions of the proposal.

This strategy led to a long and extremely detailed proposal — so detailed it included estimates of housing costs for visiting faculty at the institutes and descriptions of Dinkytown, Prospect Park, and other neighborhoods accessible to the University. Even bus service to the University was described.

Chuck Denny, president of Magnetic Controls Company, testified before the NSF committee that came to Minnesota to examine the proposed site for the institute, telling them that local industry supported the proposal.

Many of these considerations, although peripheral, were essential in establishing the credibility and thoroughness of Minnesota's proposal. The crux of the proposal, however, was the scientific program that would guide the research if the institute were to be established at Minnesota.

"The scientific program was well thought out. The original idea was Weinberger's," Miller said. "It was worked over and revised by the

committee and other faculty members. George Sell did much of the actual writing of the proposal." (And re-writing! Sell said parts of the proposal underwent as many as 20 revisions.)

As a final touch, just before the proposal was submitted to NSF, nine of the 11 CIC schools hammered out an agreement, following Minnesota's initiative, to pledge \$10,000 a year for five years to the institute if it were located at one of the CIC universities. This additional \$80,000 was to be used to support post-doctoral researchers.

"At first we were afraid that the scientific program was too daring . . . too 'applications oriented.' We were worried we might get shot down by the mathematics community as being too much out of line. But the timing was right. This was an idea whose time has come," Miller said.

Staehele agreed with Miller's analysis. "I think the central reason we got the mathematics institute here is because we have a very good mathematics department. And because they are well connected within the University and with local industry."

Staehele also cited the agreement among CIC schools, and the advisory role played by IT, but he emphasized the importance of the work the mathematics department put into it. "They did a super job. If we hadn't had the workhorses . . . if we hadn't had the Weinbergers, and the Millers, and the Serrins, . . . we never would have got it."

Now that we have it, Minnesota's mathematicians must continue to do the horse work.

If the new institute doesn't live up to NSF's expectations, funding could be canceled at any time.

"Yes, we feel tremendous pressure," Weinberger said, "but if the institute isn't working right, it should be canceled." Sell said that they deal with the pressure by working harder.

Their biggest challenge is recruiting the stars — the big name mathematicians and scientists from other disciplines — who will provide the core of the institute.

"I've had success in getting famous people to come for short periods of time. But it is very difficult to get somebody to come for a year, to move his family and all. Years ago it was no problem to get someone to move his family to take such a position. Now their wives have jobs, too. It's harder to get them to move. This is a problem I didn't foresee."

"It requires us to be more flexible," Sell said.

Weinberger and Sell are comparing notes with a similar national institute for physics research at the University of California at Santa Barbara, Calif., which began operating in 1980.

"There is a tremendous amount of work in the beginning, that should taper off in coming years. Once the institute becomes established, we expect people to come forward and ask to be able to do research here. That's the way it worked for Santa Barbara."

"The phone company is getting

coordinator for the other half. I must find a group of mathematicians and I must find a suitable group of chemists and physicists to interact with them."

Once the institute gets established, Weinberger said, a permanent director will be chosen by the governing board.

"Hans Weinberger is a great mathematician," Staehele said. "He is the kind of person for whom the world of mathematics will come to our doorstep. He has great instincts to collaborate and work together."


If Weinberger, Sell, Miller, and the other mathematicians at the University of Minnesota can make NIMA operate successfully, they may have the rest of the world knocking at their door as well.

"Getting a national mathematics research institute at the University of Minnesota is a spectacular achievement," said Staehele. "And it will have a snowball effect. It will improve our capacity to hire faculty that we couldn't have hired before. It will add to our credibility when we seek other support for the university. It will help get grants.

"It will bring together the departments in IT and throughout

"Any time you bring such people together, you create sparks. You create things that never existed before."

very rich off us," Weinberger said. "The first year is an ad hoc sort of thing. I've just been scrambling, trying to get people. Part of the program here will be coordinated by Professor Serrin. (Serrin, a University of Minnesota mathematician, was recently inducted into the National Academy of Science.) I'm still looking for a

the University, with people from local industry and around the world. Those people will be our greatest advertisers. They will return to their countries, their companies, and their universities and tell them about the quality of the experience they had in Minnesota." 



"Our job is not to make a better widget," Roger Staehle says, "our job is to invent a new kind."

Staehle: Seeks Industry Research Dollars

by Marilyn Taylor, *Minneapolis Star*

Roger Staehle is full-bent on getting industry to invest in research at the University of Minnesota's Institute of Technology.

He's already landed \$5 million from business, and he's looking for another \$5 million.

The idea isn't unique to the dean of IT. With the cutbacks in federal research grants, the trend of turning to private industry for research support is growing throughout the country. Corporate contributions to U.S. colleges and universities were

a record \$696 million in the 1979-80 school year, a 25-percent increase over the previous year.

Along with this have come some serious ethical questions: Will ties with business affect academic freedom? Will basic research still be

done for the sake of knowledge, or will the emphasis be on applied research for profit?

Staeble's reaction to these questions is raw-nerved.

"What about ties with the federal government?" he said. "You have something with the Defense Department? Well, tell me about your morals."

For Staeble, who has been IT dean since 1978, the danger is in depending too much on government.

"If you're totally dependent on the federal government for your research money, you have no choice. If we have multiple funding sources, then we can better stand up for a set of beliefs. If one source is unwilling to follow our principles, we can go to another."

William Carey, executive officer of the American Association for the Advancement of Science, basically agrees with Staeble — but with reservations.

Carey sees potential problems, particularly in the kinds of arrangements some universities have made with private interests.

For example, Harvard University and Monsanto Co. have a joint 12-year research project on basic cell processes related to cancer. Harvard will get \$23 million for it, and Monsanto will have an inside track on the commercial development of any new cancer treatments that might result from the research.

"All you have to do is look at America's position to realize that we don't even have a choice."

He's already proving how competitive IT can be. Recently, the National Science Foundation awarded a \$5 million grant to the University to establish a mathematics institute.

Dozens of universities competed for the grant, including Harvard and MIT, but Minnesota got it, according to Staeble, because "in Minnesota, as in no place else in the country, was it possible to put

together an institute where mathematics could be connected positively to the rest of the university and the rest of the nation . . . it came here precisely because of that connectedness."

That connection for the University included the backing of a consortium of eight midwestern universities and private industries, which planned to take advantage of the resources of the institute.

Another flashy plume in Staeble's cap has been the \$5 million he got Control Data, Honeywell and Sperry Univac to commit to a Center for Microelectronic and Information Sciences, created last year to study the science of putting electronic circuitry on computer logic and memory chips and the design of computer systems and software.

with fewer restrictions than many federal grants.

"Clearly, we have to maintain our identity as a university and our academic freedom. I'm trying to get industry intimately involved, not to be in bed with them, but because we have the same objectives — to meet the needs of the people."

It's apparent that the business community likes this kind of spirit.

James Berrett, vice president of corporate development for Honeywell, described Staeble as "a hell of an entrepreneur, the kind of spirit you need when you're trying to rekindle the high-technology wings of any organization."

Walter Bruning, vice president of retail marketing for Control Data, agrees. "He's a one-of-a-kind man, one of the most exciting idea men I've ever met, and many of them are quite good," he said.

His primary objective was and is to build IT and the university into the best science-technology center in the United States.

While some universities do job shopping — specific tasks, such as testing materials, for industry — Staeble said that's "not our kind of work."

"Our job is not to make a better widget for a company; our job is to invent a new kind of widget that never existed before — to do things five, 10, 15 years out.

"Industry doesn't want us to do the scut work for them. It wants us to be doing basic, cutting-edge research because it's cheaper for us to do it than it is for them."

Despite the fears about industry funding research, Staeble said, research grants from business come

Staeble also has been getting internal support for his policies.

"He's been doing a very fine job in generating the support we're going to need," said Walter Weyhmann, head of physics and astronomy, "and he's been very supportive of efforts by faculty members to get new programs started."

The mood of the faculty, he added, is "general enthusiasm with reservation. We're going to have to wait another year or two."

The University also supports IT's efforts to seek industry backing.

"We need industry and have something to contribute to it, and

industry needs us," said Ken Keller, vice president of academic affairs for the University.

"Where the creativity in the relationship is going to come is in finding ways we can keep our identity as an independent research institute.

"As long as industry is sensitive to the fact that basic research is something inherently slow and that we're a public institution and can't do something specifically for the profit of a private corporation, they will benefit. In Minnesota, most corporations recognize that."

In some of the "gaudy, new arrangements" that also involve, for example, venture capitalists setting up companies in partnership with leading academic scientists in bioengineering, there are "surface aspects of corporate acquisition

fear. In fact, he feels a university should produce talented, educated people for industry.

"Our faculty from time to time should go into industry, because spending your whole life in a university isn't a good idea. The reverse is also true. We'd like to have industry people coming into the university," he said.

IT's expenditures for research in the 1979-80 school year were \$14,781,000. Of that money, 77 percent came from the federal government and nine percent from the state. Eleven percent was money from business and industry; the remainder from foundations and individual contributions.

Staehele would like to significantly change that mix, and have more of a balance — for two reasons.

First, it would make for a better

"You do it by getting someone from Honeywell, or 3M or Control Data into that laboratory and working with you to understand it."

Such participation already occurs to some extent. But Staehele wants to increase it.

The 47-year-old Staehele insists that a strong IT will develop not only cutting-edge technology but also will help to build the state's economic base.

"This faculty member will start this company, that graduate student will start that company. Honeywell will use our consultants, we'll have joint programs with Control Data and 3M, and we will become the focal point of this university-industry vitality.

"We'll create a small business a day. We'll manufacture small businesses, which are the greatest employers of people."

This kind of spin-off growth has been occurring over the past two decades. Out of the interaction between the University's medical school and IT have developed 39 companies producing high-technology medical equipment, instrumentation and devices, Staehele said.

Staehele sees a whole lot more of this kind of thing happening.

His primary objective was and is to build IT and the university into the best science-technology center in the United States, and he thinks he can do it in a decade.

To do it, he said, "I have to sell my internal management, who have other competing and quite legitimate pressures — there are other, great deans doing the same thing I'm doing — and I've got to sell the business community, the Legislature and the public . . . that the future of this state is in the cerebrally-intensive, technology-intensive industry. **M**

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

"All you have to do is look at America's position to realize that we don't even have a choice."

behavior. . . . We get the impression that the big companies are beginning to pick off the five-star universities," Carey said.

"There's a lesson for the universities in this: They had better practice diversification and not become locked into a paramount corporate sponsor."

Carey also finds potential danger in universities becoming farm clubs for industry, supplying the best brains and talents to corporations rather than to laboratories and classrooms.

This, he said, "could put the universities right in the middle of big-league industrial competition and they could get cut up."

Staehele, however, scoffs at this

use of money. "Anytime you take a dollar and give it to the federal government, then get it back, that dollar's been dissipated enormously and becomes a very expensive dollar," he said.

Second, he said, it would speed the transfer of technology, of basic scientific knowledge, to the people. And making knowledge available to the people is the mission of a land-grant university.

"If you're doing research for the federal government, you're only educating a graduate student or two and writing two or three papers. But the way to transfer technology to the people is not through giving a paper in Washington, but through people-to-people interaction.

What You Should Know About General College

by Chuck Benda

Like the majority of the people at the University, I knew nothing about the General College when I started to work here as an undergraduate TA (Teaching Assistant) in 1954," Dave Giese said. "It was a place to earn some money, and a place to be employed to avoid

1982 will mark the 50th anniversary of the pioneer effort



"We will have our 50th anniversary in 1982," Jean Lupton said, "and we are less known within the community than we are the nation."

being drafted into the Korean War."

After working there 27 years, Giese, a professor in the college's Division of Science, Business, and Mathematics, knows about General College and he is committed to its educational principles. That commitment stems, in part, from his awareness of the limitations of our public school system; an awareness etched in Giese's heart.

"I had one child who was very shy when he entered the school system," Giese said. "During his kindergarten year, and his first grade year, he was classified as retarded by the school teacher.

"Because of my position at the University, I convinced the school administration to bring in a psychologist to administer individual mental tests. The tests confirmed what we thought was true. The boy was not below average in intelligence, he was above average. But he was shy, and the teacher was not able to bring out his best ability because of this shyness. Through some work with us, and in summer schools . . . and by keeping pressures on the teachers, he managed to make the National Honor Society by the time he was a senior."

Giese's son will enter college this fall in a traditional college system. Others, however, are not as fortunate.

"There are so many people going through our public education systems. Some are not ready. We start (teaching) children at a very early age," he said.

People mature at different rates, said Giese, and there can be vast differences from one, perfectly normal, six-year-old to another.

He said students who miss the basics in the second, third, or fourth grade will suffer throughout their educational career and may be labeled as "trouble-makers" or "slow-learners."

"These people need a chance to relearn and to go at a slower pace

for part of their educational careers. General College provides this opportunity for a large segment of the population."

General College was established in 1932 to respond to the need of students who were not being provided for by the traditional educational systems, Jean Lupton, dean of General College, said. Nearly half a century later, General College is still either misunderstood by or unknown to most people at the University.

"We will have our 50th anniversary in 1982 and we are less known within the University (community) than we are within the nation," Lupton said.

Part of the reason for this lack of visibility, explained Thomas Buckley, associate dean, is the low profile maintained by previous deans. Recently, however, the University administration asked the General College administration to increase visibility of the college, a request to which Lupton and Buckley have gladly responded.

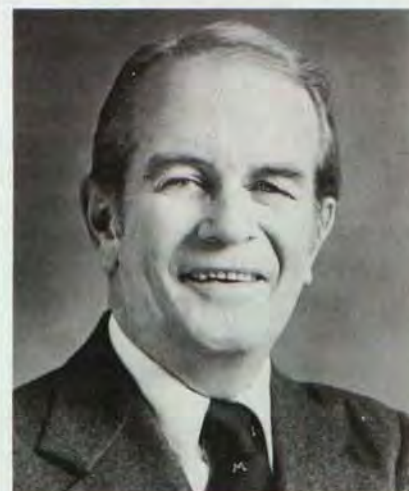
"The further away from Minnesota you get, the better the reputation of General College gets," Buckley said. "It has been recognized as a very innovative educational program. There's nothing quite like it in the United States."

Other colleges and universities have programs that are similar, Buckley said, but no one has anything as comprehensive. And yet, within the University, General College has somewhat of a tarnished reputation.

"Education is composed of hierarchies," Giese said. "And at the University of Minnesota, General College is perceived to be the bottom rung. Generally there is some perceived notion of the quality of the student in terms of traditional mental capabilities."

The notion that General College students are less intelligent than other University students is a myth.

Part of the problem, Lupton said,



Norman Borlaug (top), Nobel Peace Prize winner; Patty Berg (middle), professional golfer; and Dave Moore (bottom), TV anchor man, all attended General College.

is that the faculty, staff, and students themselves think that they are somehow different, and they keep a low profile.

"We have one of the hardest working, contributing faculty within the University system," she said. "We start where the student is in terms of development and education, and not where we want them to be."

"Many of the students who come to us are *poorly prepared* for college work," Buckley added. "By the time they get their two- or four-year degree from us, we've taken them further than any other college in the University."

Buckley pointed out that approximately 20 percent of General College's four-year degree students do graduate work, compared with 21 percent of other students at the University.

And the myth that General College is somehow inferior to other colleges, is further debunked by the impressive list of General College alumni, including Warren Spannaus, Dave Moore, and Norman Borlaug, a recipient of the Nobel Peace Prize.

"Borlaug came here from Iowa on a wrestling scholarship because they wouldn't take him anywhere else," Lupton said. "He started with us and transferred to forestry where he got his bachelor of arts," but he couldn't have got into the University if he hadn't come here first."

Approximately 3,300 students were enrolled in General College in 1980, with two-thirds of them enrolled in two-year, associate arts programs. The rest were in four-year, baccalaureate programs. About 20 percent of those students who enroll in the two-year programs transfer to four-year programs outside of General College.

The average age of students entering General College is 22, compared with 19 for the College of Liberal Arts. The average age of students graduating from General

College's four-year programs is 29, compared with 23 in CLA.

"We have a lot of older students," Lupton said. "Many are single parents, particularly mothers who are the best achievers you will ever find in the world."

General College gets many students who are special in one way or another. Some have learning disabilities, physical handicaps, and

the University — problems of space and funding. The faculty is "stretched six ways 'til Sunday," Buckley said, and the classrooms and offices are "a clean pig-pen." General College is currently housed in Nicholson, Folwell, and Elliot Halls, and Buckley and Lupton have a closet full of horror stories about over-crowding, blown fuses, code violations, and foundations

"We view ourselves as being the social conscience of the University."

social handicaps. There is a high percentage of minority students. Foreign students study English in General College at the same time they are studying mathematics, or other sciences on a graduate level.

Students may help design their own degree program, and may incorporate previous professional or vocational experience for credit. General College offers three degrees: associate in arts, bachelor of general studies, and bachelor of applied studies. The associate in arts is a two-year program designed to enhance career interests and provide a liberal education. The two bachelor's degrees are four-year programs. The bachelor's in general studies is more broadly defined and may be designed by the student. The bachelor's in applied studies is focused on a specific career or profession; and it may also be designed to fit the needs of each student.

"We view ourselves as being the social conscience of the University," Lupton said. "We have a can-do philosophy. If there's a problem, we respond in some way or another and solve it."

General College is facing many of the same problems facing the rest of

that are sinking away. The legislature recently refused to supply the funds to remodel Nicholson Hall. The building is not structurally sound.

Lupton and Buckley seem guardedly optimistic about the future of General College, despite some problems. They believe in its purpose and in its success. They point out that they are number one on the renovation requests to the legislature to get Appleby Hall for General College. (Appleby was vacated by the School of Pharmacy, which moved into Unit F of the Health Sciences complex.)

They jokingly complain that every time the University feels a crunch, someone suggests cutting back on funding to General College.

"But every time it comes up in the legislature," Lupton said, "some senator or representative says, 'Hey, we can't do that. My son, my daughter goes to General College.'"

M

Smokey Joe Ready for Third Season

Joe Salem begins his third season as head football coach at the University of Minnesota September 12 when the Gophers take on Ohio University.

And if all goes well, Salem said his 1981 team will finish over the .500 mark for the first time since he returned to his alma mater.

In Salem's first year at Minnesota, the Gophers finished 3-5-1. Last year they were 5-6. With 33 lettermen returning, it appears the Gophers could finish in the Big Ten's upper division this season.

To become a winner in '81, five things must happen:

1. The Gophers must eliminate the penalties and fumbles, which plagued them throughout 1980;

2. They must find replacements for Marion Barber and Garry White (the top two career rushers) who have graduated;

3. Minnesota must strengthen its receiving corps;

4. They must find help for Tim Salem at quarterback;

5. Finally they must improve their kicking game.

Defensively the Gophers held their own last fall, and the heart of that unit returns to indicate Minnesota could be even better as defenders in 1981 than they were last fall.

Last year Minnesota was a "self-destruct" offensive machine as it set school records for most penalties, most yards penalized, and most fumbles . . . 83, 809, and 49, respectively.

In spring drills, Salem proclaimed that his Gophers must eliminate those mistakes if they hope to become winners.

Salem looked for help in the running game among newcomers.

Frank Jacobs, a junior transfer, emerged as the top candidate to replace Barber. Remaining in the picture are Walter Ross, another junior transfer, and senior letterman Duane Gregory.

In the receiving department, Chester Cooper, a senior letterman, led Minnesota with 210 yards on 14 catches last fall. Ron Weckbacker, another senior letterman, also returns. And in the "help" department would be junior transfer Derek Stern.

Tim Salem (Smokey Joe's son) was a freshman last fall and started every game at quarterback for the Gophers. He finished with 81 completions in 170 attempts (.476) for 887 yards and two touchdowns, but he had 13 interceptions.

Salem was much improved in spring drills and will go into the '81 season listed as the number one quarterback. Waiting in the wings, however, is Mike Hohensee, a junior transfer, who looked ready in spring practice.

Up front the Gophers will be sturdy with all but one starter returning. Topping the list is Ken Dallafior, a 6-4, 274-pound senior tackle and captain, looming as Minnesota's best bet for post-season honors.

A year ago Minnesota's defense was credited with keeping the Gophers in most of their games despite playing in four-down territory all too often and spending more than their share of time on the field.

Only three starters were graduated: all-Big Ten end Jeff Schuh and both cornerbacks, Ken Foxworth and Dana Noel. So, on paper, at least, the Gophers could be even tougher defensively in '81 than they were last fall.

Minnesota's senior linebacking corps could be among the Big Ten's best. Glenn Howard, 6-2, 217, and



Football coach Joe Salem prepares for his third season at Minnesota. His record is nine wins, 12 losses, and one tie.

Jim Fahnhorst, 6-4, 224, both return on the inside.

The Gopher's outside linebacker spot will be in good hands with Glen Cieslewicz, a 6-3, 226-pound letterman, and Tony Horton, 6-2, 202, on hand.

In the secondary, Minnesota looms as impressive. Mike Robb, a 6-2, 198-pound junior and standout honors candidate leads the way at rover.

Rick Witthus, 6-3, 196-pound junior, returns to safety while Glenn Cardelli, a 5-11, 184-pound junior who started in 1979, will open at one of the corner spots.

Jim Gallery took over as Minnesota's kicking specialist in 1980 and performed in excellent fashion. He was perfect in the extra point department connecting on 27 consecutive tries. In field goals, he was five of nine . . . his longest being a 42-yarder.

Minnesota's Million-Dollar Man-Woman

by Mikki Morrisette
The Minnesota Daily

Sports. It's an expensive subject. At the University, the men's and women's varsity athletics programs cost \$5,764,500 this year.

That could pay for the \$6 Million Dollar Man minus his left ear, or give the Minnesota athletic department a 25 percent share of the Chicago Cubs. Or it could ensure all Twins players a paycheck for 2½ years.

When the University's fiscal year ended, the Men's Intercollegiate Athletics Department had doled \$4,496,500 into the economy. The Women's Athletics Department had

spent \$1,268,000 for supplies, travel, scholarships, paychecks, and so on.

Of course that money doesn't sprout out of Astroturf. The ever-faithful fans are the major financial supporters of the Gophers men's athletes. Ticket sales for football, basketball, hockey, and "other" generated more than \$3 million for the department's 11 sports this year. Minnesota's women competitors, involved in 10 sports, owe their financial status to the state legislature.

Football is easily the most expensive sport. Those massive, cleat-clad gridders cost the men's athletics department \$360,000 in scholarship funds and \$295,000 for travel costs. Add the \$69,000 invested in supplies, \$160,000 spent for recruiting purposes, and dozens of other little expenses, and you come up with a whopping \$1,344,626 figure exhausted by the football program alone. That's more than the entire women's intercollegiate athletics budget.

According to assistant men's athletic director Bob Geary, however, the football program more than pays for itself. Ticket sales, radio and television income, and even a Rose Bowl check subsidized the department with more than \$2 million.

Maybe President Reagan would consider paring the football budget, but not Geary. "It would be penny wise and pound foolish," he said. "Why bite the hand that feeds you?"

Ah, yes, and a rolling stone gathers no moss. Although the football team may be collecting a little moss in competition, the Gopher sport is certainly on a roll financially.

The women's budget isn't on the same hill, however. According to the women's assistant athletic director, Kate Mathison, the department earns about \$100,000 in fundraisers. The remainder of its allowance is

First All-American Softballer

Gretchen Larson, a sophomore outfielder from Edina, is the first Golden Gopher softball player to receive All-American honors.

Larson, a graduate of Edina East, led the Gopher regulars this season with a .385 average. She also led the team in hits (45); runs (24); doubles (6); and triples (6).

"She has all the tools on defense," Coach Linda Wells said. "She can hit with power, but she can also bunt well, which makes her hard to defend. She had an outstanding catch against Michigan State at the Big 10 Championship that probably made the difference in the game."

Minnesota defeated Michigan State 10-3 in the finals to bring home its first Big 10 softball title. In addition to her exceptional defensive play, Larson also went five for nine in the tournament.



The first softball player at Minnesota to receive All-American honors is Gretchen Larson of Edina.

The Gophers finished the 1981 season with a 29-11 record and a 7th place finish at the Region Six Championship.

dependent on government spending — not a good thing to depend on in this day of budget cutbacks. If the women's athletics program isn't allocated enough money by the legislature, their spending is cut accordingly.

Several universities across the nation were forced to drop one or

more varsity sports this year for inflationary reasons. That list includes Yale (men's gymnastics, women's volleyball); the University of California-Berkeley (men's wrestling, golf); and the University of Maryland's Eastern Shore (men's football, tennis, swimming).

Neither Geary nor Mathison an-

ticipate having to drop programs in Minnesota's future. And millions of bucks will continue to be spent for those men and women involved in the Gopher's 21 sports.

Who wants a share of the Twins or the Cubs anyway? A \$6 Million Dollar man or woman might be kind of handy, however . . .

WHERE CAN YOU...



Listen to the sounds of the

Minnesota Marching Band Alumni?

Pick up all the details about the upcoming game from the

Minnesota Football Coaches?

Practice your yelling with the **Minnesota Cheerleaders?**

Take a chance at winning one of the many

Minnesota Doorprizes?

Get a great **Minnesota Brunch?**

Golden Gopher Football Party in Iowa

Whether you are coming from Minnesota or live in Iowa, don't miss a great alumni party before the football game. Make plans now to attend one of the best contests of the season.

Minnesota vs Iowa

October 24, 1981

The Carousel
Highways 6 and 218 West
Iowa City, Iowa

Social hour 10 am

Brunch 10:45 am

Cost \$9

Checks should be made payable to Minnesota Alumni Association and sent to **Golden Gopher Football Party, 100 Morrill Hall, 100 Church Street SE, Minneapolis, MN 55455.**

Do you need football tickets? Tickets for the game may be ordered directly from the Athletic Ticket Office, Bierman Building, 516 15th Avenue SE, Minneapolis, MN 55455. Cost for a ticket is \$11, plus \$1 for handling. Checks should be made payable to University of Minnesota. Tickets will be sent to you about 10 days before the game.

November 14 Minnesota alumni will gather before the Minnesota-Michigan State game in East Lansing. Watch for further details.

Wanna Buy a Jersey?

Although students at the University began playing football in 1878, it wasn't until 1882 that football officially got under way.

And to celebrate that event and the possibility that the Gophers may be playing their last game in Memorial Stadium (if it is decided they would move to the new dome under construction in Minneapolis) a celebration is being planned.

A dinner and dance, limited to 800 persons, will be November 20, at the Prom Center, 1190 University Avenue, St. Paul. That's on a Friday night before the last home game with the University of Wisconsin.

"We'll have balloons, gold-colored table cloths, flowers on each table, the cheerleaders, former athletes, coaches, and Williams Fund Scholars to park cars," Tom Barron, director of the Williams Fund, said.

The event will begin at 5 p.m. with a social hour. The dinner will feature Billy Bye, Minneapolis, as master of ceremonies. Athletes from each of the eras will speak as will Paul Giel, director of men's athletics.

The Jerry Mayeron Orchestra will play.

"We are going to limit the attendance to the first 800 who sign up," Barron said.

MINNESOTA ALUMNI ASSOCIATION

Leaders to Meet

Volunteer leaders of alumni chapters and constituent alumni groups will assemble on campus the morning of Saturday, September 19 for Leadership Day presentations and training sessions. Leadership Day recognizes the contribution of alumni leaders and provides training for alumni to be even more productive leaders.

Alumni volunteers provide valuable assistance to the University, its students, and other alumni. Through the efforts of alumni leaders, the Minnesota Alumni Association has grown 20 percent in the past two years.

This year, Leadership Day will feature a presentation by University professor Hamilton McCubbin, one of the U.S. Department of State consultants who helped the returning American hostages in Iran when they arrived in Germany. McCubbin is chairman of the Family Social



Hamilton McCubbin

Science Department and is an expert on stress, coping, and the value of volunteer networks.

Alumni may want to query a panel of University administrators, including Frederick Bohlen, vice president for finance and operations; William Hueg, deputy vice president and dean of the Institute of Agriculture, Forestry, and Home Economics; and Robert Odegard, associate vice president for alumni and development and executive director of the University of Minnesota Foundation.

The program will include University developments, sessions where ideas and problems are discussed, and a slide presentation.

Leaders will attend a lunch at the Campus Club and the Gophers' Big 10 opener with Purdue.

Murphy New President

The Honorable Diana E. Murphy, a Minnesota federal district judge, is the new international president of the University of Minnesota Alumni Association.

Murphy, who received bachelor's and law degrees from the University in 1954 and 1974, was the alumni association's first vice president. She succeeds Ronald L. Simon, a Minneapolis attorney, as the group's president. The alumni association has more than 23,000 members in 50 states and 78 countries.

Other new officers on the executive board include: John Mooty, '43, '44, vice president; Charles Osborne, '75, treasurer; David Mona, '65, secretary; and Ronald Simon, '54, '57, past president.

Nancy Kortum, '74, Rochester, Minn.; Timothy Olcott, '70 New Ulm, Minn.; Maxine Russell, '32,

Brainerd, Minn.; and Wilson Davis, '40, Keokuk, Iowa, were named regional directors. Sue Zelickson, '56, Minneapolis; Harvey B. MacKay, '54, Excelsior; Thomas Holloran, '55, Excelsior; and William Pearce, '52, Wayzata, were named at-large directors. Dick Miner, '58, Dallas, Texas, was named to fill the unexpired term of Bob Hillard who has resigned from the Board of Directors effective at the end of 1981.

Iowa Football Party

Alumni will meet October 24 at the Carousel restaurant in Iowa City at 10 a.m. for a pregame football party. The game will feature the University of Minnesota and the University of Iowa.

The social hour will begin at 10 a.m. followed by a brunch at 10:45 a.m. The cost is \$10 each.

The Carousel is located at Highways 6 and 218 West. If you need football tickets, they may be ordered directly from the Ticket Office, Bierman Building, 516 15th Avenue SE, Minneapolis, Minn. 55455. Cost for each ticket is \$11, plus \$1 handling for each order. Checks should be made payable to the University of Minnesota. Tickets will be sent about 10 days before the game.

Highlights will include the Minnesota Marching Band, football coaches, cheerleaders, and some door prizes.

"Whether you are coming from Minnesota or live in Iowa," said Nancy Devine, director of the chapter program, "don't miss a great alumni party before the game."

November 14 Minnesota alumni will gather before the Minnesota-Michigan State game at East Lansing. Details will be announced.



Hamming it up are, from left, John Barber, Myron Orfield, Nancy Devine, Goldie Gopher, Bill Byrne. The students are members of the student board; Devine is director of the MAA chapter program.



Jim List, saxophone, is a member of the Easy Rider Dixieland Band.



Student board member Barb Frey helped give away more than 600 helium-filled balloons.



Balloons, a banner, a circus tent, helped draw some 600 bystanders to this year's spring Tent Extravaganza.



This little girl enjoys a portion of 10 six-foot-long submarine sandwiches that were served throughout the day.

Tent Extravaganza

Approximately 600 students, staff, faculty, and others took part in this year's MAA Student Board's Tent Extravaganza.

A 40- by 40-foot circus tent was erected on the mall in late May. Theme of the event was "Step Back in Time While Looking Ahead with the Minnesota Alumni Association."

Participants browsed through displays on student life, Homecomings, and current information about the MAA.

Ten six-foot-long submarine sand-

wiches were eaten in less than two hours.

Student Board members and alumni staff gave helium-filled balloons to passersby in an effort to publicize the event.

A 1920s jazz band also was featured.

The purpose of the event was to call attention to the alumni association, its people, and programs.

Student Awards

Six 1981 University of Minnesota graduates have received Student Leadership Awards, which were recently created.

The New York, Phoenix, Suncoast, and Wadena chapters gave contributions that made the awards a reality this year.

Six students received \$250 each. They were chosen for their leadership experience in two or more campus organizations.

The purpose of the award is to recognize the importance of leadership whether on campus or later as a volunteer for the Minnesota Alumni Association.

The recipients are: Grant S. Benjamin, Minneapolis, a drama major for the University Marching Band; French horn player in the pep band for basketball and hockey; member of Tau Beta Phi; member of two University senate committees; and a resident hall adviser;

Joan S. Korek, Minneapolis, president of the Pharmacy College Board and president of Mortar Board honorary;

Mary E. Larsen, Minneapolis, freshman camp co-chairman; served on the Panhellenic Council; and was executive vice president of Delta Delta Delta;

Duane J. Nelson, Brainerd, president of Delta Theta Sigma; president of the Block and Bridle Club; president of the Technical Agriculture Commission, president of the St. Paul Freshman board;

Aimee Song, Fridley, president of the Institute of Technology student board; volunteer tutor for IT students; peer adviser for IT students; treasurer for Pi Tau Sigma.

James M. Plunkett, St. Paul, who started the teaching assistant of the year award; orientation leader; a member of the student service fees committee; and a member of Sigma Alpha Epsilon.

Homecoming Luncheon, Parade

The Minnesota Alumni Association Student Board will host a Homecoming pregame luncheon in the architecture court from 11 a.m. to 12:30 p.m. October 10.

Cheerleaders, the danceline, and the alumni band will perform.

The football game will feature Minnesota and Northwestern University.

On the day preceding the game, a parade will begin at 8 p.m. with more than 100 entries. (The route begins on 17th and 4th Street, travels down 4th to 12th Avenue and University, then to Memorial Stadium.)

The festivities will conclude with the crowning of the 1981 Homecoming king and queen at the bonfire site, located on the Sanford Hall triangle.

First Edition Books Sought

The Class of 1931 has given \$26,009.14 toward the expansion of a collection at the University of American literary works representing the 1930s.

"Alumni are invited to donate books to the project," said Austin McLean, curator, who was on hand in June at the 50th reunion to explain the collection.

"Only fine copies of first editions are desired," he said, "They should look almost new and have dust jackets, which are not faded or tattered. The first appearance of the book is usually indicated on the back of the title page, and it should bear one of the following statements: First Impression, First Printing, First Edition."

The 1931 Special Book Collection represents the best works of litera-

ture in the period and includes fiction, poetry, and drama.

Some of the authors include James Thurber, Stephen Vincent Benet, Willa Cather, Maxwell Anderson, e. e. cummings, Lillian Hellman, Ernest Hemingway, Gertrude Stein, Allen Tate, Pearl Buck, Richard Wright, John dos Passos, Langston Hughes, J. P. Marquand, Thornton Wilder, Archibald MacLeish, William Faulkner, Eugene O'Neill, John Steinbeck, Katherine Anne Porter, and Wallace Stevens.

Harold L. Holden, '31, Minneapolis, was the fund chairman.

The books will be kept in climate-controlled vaults, and will be included with more than 90,000 other rare and special volumes.

These Are Honor Chapters

Twelve 1980-81 honor chapter awards will be presented during the Leadership Day program September 19.

Honor chapters are recognized for their contributions to the University.

During the year, honor chapters arranged programs about the University, organized prospective student information sessions, and made contributions to the Student Leadership Awards.

Recognition will be given to chapter presidents for the major role they played in accomplishing chapter goals for the year.

The honor chapters are: Boston Chapter, Dayton Chapter, New York Chapter, North Texas Chapter, North California Chapter, Phoenix Chapter, Rochester Chapter, San Diego Chapter, Sun City Chapter, Suncoast Chapter, Wadena Chapter, Washington, D.C. Chapter.

COLLEGES AND SCHOOLS

AGRICULTURE

Work Under Way on Poultry Building

Construction is expected to be finished at the end of this year on a new \$2-million poultry research and teaching building on the St. Paul campus.

The 25,856-square-foot building will be used for studying the effects of nutrition, environment, and breeding of laying and broiler chickens.

The Poultry Advisory Council lobbied for the \$2 million legislative appropriation, calling the University's buildings "outdated and deteriorated."

Cardwell, Simmons: Student Advisers Get Top Award

Vernon Cardwell and Steve R. Simmons from the Department of Agronomy and Plant Genetics received the College of Agriculture's first distinguished teacher awards.

They are two of the principal advisers in the college, who work closely with student organizations and agriculture clubs, and are involved with the college's teaching improvement committee.

Cardwell developed a humanities course on the nation's agricultural heritage, and is known for his excellent teaching.

Simmons has developed a seminar on teaching for agriculture graduate students who expect to teach after graduation.

Nominations for the award are

made by students and faculty. Awards are made to a senior faculty member and to a faculty member with less than five years of teaching experience. The senior winner receives \$1,000, the junior winner \$500.

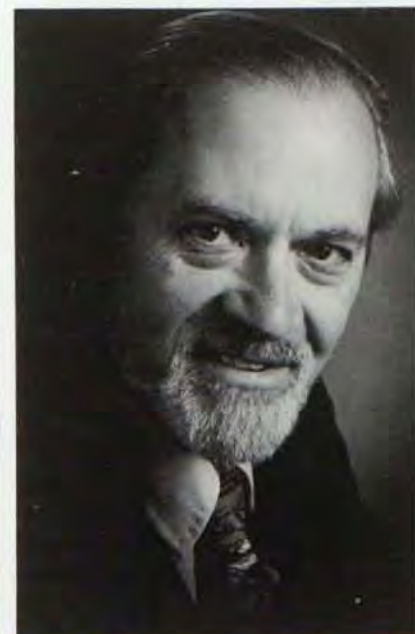
Cardwell is a double winner this year. At commencement he also received a Horace T. Morse-Amoco Foundation award for his contributions to undergraduate education. That award included a prize of \$1,000.

COLLEGE OF LIBERAL ARTS

Wright Gets Guggenheim

The only Minnesotan to win a Guggenheim Fellowship this year is George T. Wright, of the English department.

Wright, who started at the University in 1968, will use the opportunity to write a book on "English iambic pentameter in the Renais-



George T. Wright

sance." The book will consist of four chapters studying the metrics of Sir Thomas Wyatt, Shakespeare, Donne, and Milton.

Wright's research involves modern British literature, especially Yeats, Eliot, Auden, and Joyce. Wright's book, *W. H. Auden*, was published in 1969. An earlier book, *The Poet in the Poem: the Personae of Eliot, Yeats, and Pound*, was published in 1960.

He was born on Staten Island, New York, and taught at the University of Tennessee from 1961-1968.

In 1980, he won the CLA Distinguished Teacher Award.

China: Spectrum '81

Leonard Woodcock, former U.S. ambassador to China and former president of the United Auto workers, will give the keynote address October 24 at "Spectrum '81-China."

For the first time, the four-year-old community program, sponsored by the CLA and University College Alumni Society, is being organized with the assistance of Chinese and trade groups in the community. Several local organizations are expected to bring in performing artists, art work, and Chinese food for the day.

Those who attend may choose two of 12 lectures in the morning on such topics as Chinese poetry, art, language, politics, and population.

The afternoon includes music, an art exhibit, and discussions of family life and business and trade with China.

David Speer, president of Padilla and Speer Inc., and a CLA alumnus, is heading the program committee.

Anderson, Charnley, Scott, Sutton, Weiss Honored

Winners of the 1981 CLA Distinguished Teacher Awards are Chester G. Anderson, English; Mitchell Charnley, professor emeritus, journalism; and Robert Scott, speech-communication. The professors are nominated and a student-faculty-alumni committee selects those to be honored. There were 280 nominations this year.

The CLA Alumni Society, which sponsors the award, honored the winners at its spring annual meeting and presented a \$1500 honorarium to each professor at commencement.



Mitchell Charnley



Vern Sutton



Chester Anderson

Winners in CLA of the all-University Horace T. Morse-Amoco Award for contributions to undergraduate education are Vern Sutton, music; and Gerhard Weiss, German. They both received a \$1,000 honorarium at commencement.

Sutton was selected for directing

the University's opera workshop and for using his performing experience to encourage students' intellectual and professional growth.

Weiss was selected for developing one-third of the 48 courses offered by his department and for his international leadership in the teaching of German.

BIOLOGICAL SCIENCES

Big Family Weekend Set

The Itasca Family Weekend for alumni, students, faculty, staff, and friends of the College of Biological Sciences (CBS) will be October 9, 10, and 11 at Lake Itasca.

Three field trips will include the "Wetlands," led by Maura Gage, '78, ecologist at Nicolet College, Rhinelander, Wis.; "Lake," led by Gary Seim, '76, consultant in medical electronics; and "Forest," led by Ed Cushing, '63, head of the Department of Ecology and Behavioral Biology.

Additional activities will include a mushroom hunt, led by Maura Gage, and a Sunday morning bird watch, led by Lee Pfannmuller, '79.

The cabins are located at the Forestry and Biological Station on a 40-acre campus on the east shore of

Lake Itasca, a mile north of the Mississippi headwaters.

Nature activities for youth will be led by staff from the Bell Museum of Natural History.

"You can set your own schedule," Glenn Ward, president of the Biological Sciences Alumni Society, said, "Do as much or as little as you like."

The cost for lodging, meals, and program will average \$42 for adults, half-price for children five to 12; and children under five will be admitted free.

Information on lodging, reservations, programs, and costs may be obtained by calling CBS at (612) 373-1190 or by writing to Darlene Joyce, associate to the dean, 123 Snyder Hall, St. Paul, Minn. 55108.

EDUCATION

Scholarship, Mork Awards Given

The College of Education Alumni Society scholarship awards were presented to Christopher Ganahl and Barbara Weigent.

The \$500 awards are intended to recognize superior scholarship and teaching potential on the part of College of Education seniors.

Ganahl, whose major is elementary education with a concentration in English, has a bachelor's degree from the University of California at Irvine. He worked in the field of physical sciences at the Union Oil Research Center, acted in a children's theater group, and served as a coordinator of a Duluth food co-op.

Weigent is a major in second languages and cultures education, specializing in French. She completed her student teaching at Southwest

Secondary School and has served as an associate teacher of French on the staff of the Twin City Institute for Talented Youth.

In addition to her student teaching activities, she has been involved with the Concordia College language villages as a counselor for elementary and secondary students, coached a student to second to place in a state French speaking tournament, acted with a French theater group, and participated in activities of the Minnesota Council on the Teaching of Foreign Languages and the American Association of Teachers of French.

The Gordon Mork Outstanding Educator Award was presented to Barbara J. Shin, a teacher at Pratt Continuous Progress Elementary School in Minneapolis, and an educational consultant.

As an educator, she has provided leadership in multi-ethnic and cultural curriculum development for the public schools, the Minnesota Education Association, and the Minnesota Department of Education.

Shin has been named one of the Outstanding Young Women of America and is currently a member of the MEA board of directors and the Minnesota State Board of Education Advisory Task Force.



Alexandra Boies, Ruth Delin, Mary Owen, Jane Oas.

THE GOLD CLUB Boies New President

Alexandra Boies has been named president of the newly formed Gold Club. Some 191 persons have become charter members.

Following a meeting earlier this year, a slide presentation on the history of women's athletics was shown, and the following board members (by sport) were elected:

Alexandra Boies, president, cross

country and track; Ruth M. Delin, vice president, field hockey; Jane Oas, secretary, track and field; Mary Owen, historian, volleyball, basketball, softball; Gail Griffin, treasurer, swimming;

Patricia Hagemeyer, volleyball; Susan Jaqua, golf; Barbara Kalvik, staff in women's athletics; Romona Klimmek, tennis; Cynthia M. Kommers, basketball, field hockey, volleyball;

Randi W. LaFleur, gymnastics; Sharyn Schelske, track and field; and Diane Scovill, field hockey.

HOME ECONOMICS

Elmer Thomas Has Retired

Professor Elmer L. Thomas has retired after a 40-year association with the University of Minnesota beginning with graduate study in the field of dairy technology.

A native of Ohio who grew up on a dairy farm, Thomas graduated from Ohio State University in 1941 with a degree in dairy technology. Upon admission as a graduate student at the University of Minnesota

ta, he was appointed as a research and teaching assistant, while working toward the master's in dairy technology, awarded in 1943. After serving in the United States Navy for two years, he returned to Minnesota as an instructor in dairy technology, was awarded a doctorate in 1950, and was appointed assistant professor in 1951, associate professor in 1955, and professor in 1961.

He coached dairy products judging teams from 1949 to 1980 (except for 1970 and 1977 when he was on sabbatical) never finishing out of the top 10 in national competition.

He was the department's place-

ment officer, chairman of its scholarship committee, and coordinator of its professional experience program.

He received the Milk Industry Foundation Teaching Award in 1977; the Distinguished Alumni Award of Ohio State in 1974; was named Honorary State Farmer by the Minnesota Future Farmers of America in 1968; and was named United States Dairy Ambassador by Dairy Society International in 1955 for work at the International Trade Fair in Bogota, Colombia. This year he received the Gamma Sigma Delta Award of Merit.

DENTISTRY

Bongard Selected for Hall Award

Donald W. Bongard, D.D.S., of Alexandria, Minn., will receive the 1981 Ambert Hall Award.

This special award was created in 1969 to recognize alumni of the School of Dentistry who have demonstrated excellence in the technical disciplines of dentistry.

Bongard will be recognized for his ability as a clinician and his contributions to organized dentistry and his community. He received his D.D.S. degree from the University in 1942.

The award will be presented to Bongard during the 24th annual Alumni Day on Friday, November 13. A full schedule of lectures, clinics and seminars also is planned for that day.

JOURNALISM

Chucker Gets Award of Excellence

Harold Chucker, now in semi-retirement as associate editor of the Minneapolis *Star*, received the Award of Excellence from the University of Minnesota School of Journalism and Mass Communication Alumni Society at a recent annual meeting in St. Paul.

Chucker graduated from the University's journalism school in 1940, the same year he began work at the *Star*. In a career interrupted by military service, he has been the *Star*'s assistant news editor, business editor, and editorial writer. Chucker specializes in editorials about foreign affairs and economic issues. He has been associate editor of the *Star* since 1975.

Chucker has been president of

the Twin Cities Newspaper Guild and the Minnesota Press Club. He also served as a member of the board of directors of the journalism school alumni society.

"Page One Awards" for the year's best in newspaper, radio and television were presented at the annual meeting by the Society of Professional Journalists.

F. Gerald Kline, director of the School of Journalism and Mass Communication, also awarded scholarships to journalism and mass communication students.

Hedley Donovan, '34, former editor in chief of Time Inc. and adviser to President Jimmy Carter, was the featured speaker.

ALUMNAE SOCIETY

Luncheon Set

Sister Alberta Huber of the College of St. Catherine will be presented with an Outstanding Achievement Award at the Alumnae Society's annual meeting November 14.

Morning seminars will be followed by a luncheon at the Minneapolis Branch of the American Association of University Women, 2115 Stevens Avenue South.

INSTITUTE OF TECHNOLOGY

Thank You, Prince Philip

Aimee Song, a 1981 summa cum laude graduate of the Institute of Technology, has been awarded the Royal Society of Arts Silver Medal.

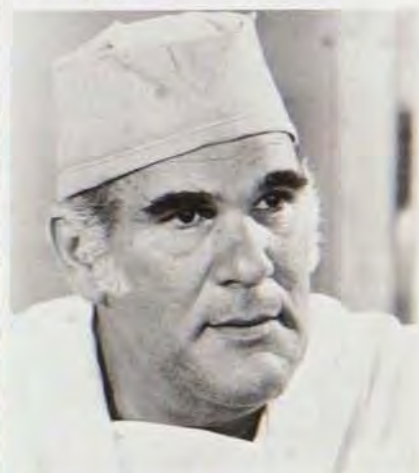
The award is given each year to college students in this country by the Royal Society for Encouragement of Arts, Manufactures and Commerce of London headed by Britain's Prince Philip.

She received a bachelor's degree in mechanical engineering with a

3.85 grade point average this spring and has been accepted to the University's Medical School.

Her father, Charles C. Song, is a professor at the St. Anthony Falls Hydraulic Laboratory.

She is the 10th University of Minnesota student to receive the award since the Royal Society invited the University to participate in the program.



Dr. John Najarian

November 6: 'Science & Technology Day'

Minnesota Governor Al Quie will give the keynote address November 6 at the conclusion of "Science and Technology Day," sponsored by the Institute of Technology Alumni Society.

Theme for the day is "Technology and Public Policy."

Afternoon seminars will include Dr. John Najarian, chairman of surgery at the University Hospitals, with Jim Johnson, director of the Office of Technology and Public Policy for IT, as moderator.

The seminars will be at Coffman Memorial Union beginning at 1 p.m.

The evening dinner with Quie as speaker will be at the Radisson South Hotel, Bloomington. The dinner will start at 7:15 p.m.



Carl Wagner Wall



Eva Jane Larson

MEDICINE

Larson, Wall Receive Awards

Two St. Paul physicians were honored for service to their community and profession at a recent Medical Alumni Society meeting this spring.

Dr. Jane Eva Larson and Dr. Carl Ragnar Wall received the Harold S. Diehl Award, named in honor of the former Medical School dean, during ceremonies at the University of Minnesota Health Sciences Center.

Larson, who earned her degree in 1939, was recognized for her contributions to the cause of women in medicine through various professional associations. During her medical career, she served as chief of staff of Mounds Park Hospital, public health officer of Shoreview and as a private practitioner. She continues to serve on the State Board of Examiners for Nursing Home Administrators and the Board of Trustees of the Minnesota Medical Foundation.

Wall, who received his degree in 1928, helped establish mission hospitals in Asia and Africa and has served on the board of foreign missions of the Baptist General Conference of America. A native of Visby, Sweden, Wall also has served on the board of regents of Bethel College and the board of directors of the Billy Graham Evangelical Association.

GENERAL COLLEGE Daily News Features Gail Thoen

An interview with Gail Thoen, which appeared in the *New York Daily News*, highlights Gail's work with couples about the fertility decision-making process.

She has been awarded a grant to develop a course on "Principles of Marriage and Family Counseling," to be offered in the winter and spring quarters, 1982. This sequence will be required for the newly developing family life concentration in the Social and Behavioral Sciences Division.

Thoen and Nobuya Tsuchida have received a grant from the All-

University Council on Liberal Education to compile a textbook for a new course, "Asian American Women." They will team-teach the course in winter of 1982.

Tsuchida and Candido Zanoi were awarded a \$10,000 grant by the Minnesota Department of Public Welfare to fund part of the Asian Commanding English program this past spring.

MEDICAL TECHNOLOGY

Phonathon Nets \$9,000

A recent phonathon with the assistance of the University of Minnesota Foundation netted \$9,022 for the Medical Technology Division.

Ten faculty, 20 senior, and 10 junior students made calls on three evenings.

Money was used to buy a \$2,968 centrifuge rotator; a \$3,335 spectrophotometer; and a \$444.64 centrifuge hematocrit.

NURSING

OAA Goes to Sister Moore

Sister Anne Joachim Moore, founder and president of St. Mary's Junior College in Minneapolis, has received the Outstanding Achievement Award.

The award is given to University alumni who have attained distinction in their fields.

Sister Moore has pioneered the development of programs for the assisting level of health practitioners. St. Mary's Junior College, founded in 1964, trains students in nursing, occupational therapy, physical therapy, medical records, and other health fields.

A native of Loretto, Minn., Sister Moore served in the Army Nurse Corps during World War II. She earned a bachelor of science degree from the College of Saint Catherine in 1946, a law degree from the St. Paul College of Law in 1948, a master of education degree from the University of Minnesota in 1947, and a doctorate in education from Nova University in Florida in 1976.

Sister Moore is chairman of the Visiting Nurse Service of Minneapolis and president of the Minnesota Association of Community and Junior Colleges.

PHARMACY

DiGangi Receives New Faculty Award

Frank E. DiGangi has been named the first recipient of the newly established Faculty Recognition Award of Minnesota's Pharmacy Alumni Society.

DiGangi is the college's associate dean for administration. His selection by the society's board of directors was based upon his contributions to teaching, research, service and the profession of pharmacy.

DiGangi received his bachelor of science in pharmacy degree from Rutgers University in 1940, his master of science degree from Western Reserve University in 1942, and his doctorate in pharmaceutical chemistry from the University of Minnesota in 1948. He joined the College of Pharmacy in 1948 and for many years taught the college's biochemistry and quantitative analysis courses.

In 1969, DiGangi was appointed the college's dean for student affairs. He assumed his present position in 1980.

Currently, DiGangi is in charge of graduate studies and research, long range planning, finance, and alumni activities for the college.



Frank E. DiGangi

Rowell is Honored

Theodore H. Rowell Jr., of Baudette, Minn., was honored recently as the ninth recipient of the Pharmacy Alumni Society's Distinguished Pharmacist Award.

The award is granted on the basis of outstanding leadership or contributions to the practice of pharmacy, health care, the College of Pharmacy, the University of Minnesota, the Pharmacy Alumni Society. Preference is given to one who is a community leader and involved in civic affairs.

Previous recipients are: Harold B. Shapira; William E. Appel; J. Roger Vadhem; Charles V. Netz; Kendall B. Macho; Frank E. DiGangi; and Arnold W. Deiger.

According to recent Gorman rankings, Minnesota's College of Pharmacy is third in the nation.

INDUSTRIAL RELATIONS Seminar Set November 12-13

An institute, newsletter, and directory are three projects for the Industrial Relations Alumni Society, Roy Richardson, society president, said.

Theme of the third annual institute, November 12 and 13 at the Holiday Inn Central, Minneapolis, is "Work and the Worker: Managing Change/Changing Management."

Three issues of a newsletter, "Insights," will be published each year, Richardson said, and will include feature articles by faculty and students.

He said the group also plans to publish a directory of graduates and former students.

CALENDAR

compiled by Maria Ellard

Alumni Chapters

Boston Alumni Chapter September 13

The Boston Chapter will start the fall with an alumni gathering in Lowell National Historic Park. Details about this traditional fall gathering will be mailed.

Brown-Nicollet Counties Alumni Chapter October 8

Ellen Mosher, coach of women's intercollegiate basketball, will be the guest speaker at a luncheon for area alumni. Details will be mailed.

New York Alumni Chapter October 22

The annual Big 10 cocktail party of greater New York will be held at the Rainbow Room in Rockefeller Center. Activities will begin at 6 p.m. and the cost is \$10. Minnesota had the second largest group of Big 10 alumni attend the party last year. Details will be mailed.

Sun City Alumni Chapter October 23

Fall is time for a patio picnic at Crestview in Sun City West. Activities will begin at 5:30 p.m. Additional details will follow along with information about an October bus tour to Lake Havasu City.

Minnesota Football Party in Iowa City October 24

Plan to stop at the official football headquarters for Minnesota alumni at the Carousel Inn, meet the coaches, see the cheerleaders, listen to the Minnesota Marching Band Alumni perform. The cost is \$10.

Minnesota Football Party in East Lansing November 14

The Kellogg Center at Michigan State University is where Minnesota alumni will meet. Join the cheerleaders and coaches for a morning of activities before the football game. The cost is \$9.

Constituent Alumni Societies

BIOLOGICAL SCIENCES Itasca Family Weekend Oct. 9-11

Contact: Darlene Joyce, College of Biological Sciences (612) 373-1190

COLLEGE OF LIBERAL ARTS AND UNIVERSITY COLLEGE

Spectrum '81: China

Featuring former ambassador Leonard Woodcock

Contact: Alumni Association (612) 373-2466

DENTISTRY

Dentistry Day

Continuing Education Seminars and Alumni Annual Meeting

Mayo Auditorium; Great Hall, Coffman Union Nov. 13

Contact: Alumni Association (612) 373-2466

INDUSTRIAL RELATIONS 3rd Annual Institute

"Work and the Worker: Managing Change/Changing Management"

Holiday Inn Central

Nov. 12, 13

Contact: Industrial Relations Center (612) 373-3826

INSTITUTE OF TECHNOLOGY

Science and Technology Day

"Technology and Public Policy," Afternoon seminars,

Coffman Union

Evening dinner and address, Radisson South Hotel Nov. 6

Contact: Alumni Association (612) 373-2466

SPECIAL ALUMNI GROUPS

ALUMNAE SOCIETY

Annual Meeting

Theme: Music

American Association of University Women-Minneapolis
2115 Stevens Avenue South,
(612) 870-1661

Art Exhibitions

UNIVERSITY GALLERY NORTHROP AUDITORIUM

"New Works from the People's Republic of China"

Sept. 15 — Nov. 1 (gallery 405)

"Process: A Public Sculpture by Stewart Luckman"

Oct. 1 — Nov. 15 (gallery 305-7)

"Abstract U.S.A./1919-1950"

Nov. 23 — Dec. 23 (gallery 305-7)

Concerts

SCHOOL OF MUSIC

Sept. 12 & 26 — Music and dance of the Ukraine and of India will be spotlighted on the stage of Scott Hall Auditorium. The presentation is part of the World Music Concert Series. It begins at 8 p.m.

Oct. 9 — Cellist Lynn Harrell in a master class presented in Scott Hall Auditorium.

Oct. 11 — Minnesota's Orchestra's principal flutist Sidney Zeitlin, harpsichordist Jane Burris, and cellist Sidney Atkins will present the flute sonatas of J.S. Bach. The performance will be presented in Scott Hall Auditorium at 8 p.m.

Oct. 14 — Christoph Wolff, one of the leading Bach scholars, will bring his lecture, "Problems and New Perspectives in Bach Biography," to Scott Hall Auditorium-Hall.

Oct. 21 — Trumpeter David Baldwin will present a faculty recital and lecture at 8 p.m. in Scott Hall Auditorium.

For more information about these and other School of Music events, call (612) 376-8639.

Dance

NORTHROP DANCE SEASON

Lucinda Childs Dance Company

Oct. 10, 8 p.m.

One of the newest dance groups, the Lucinda Childs Dance Company, will present "DANCE," a music/dance/film collaboration created in the avant-garde tradition.

American Ballet Theatre

Oct. 12-17, 8 p.m., Oct. 17, 2 p.m.

The American Ballet Theatre, under the artistic direction of Mikhail Baryshnikov, will feature dancers in performances of classical and contemporary masterpieces.

Paul Taylor Dance Company
Nov. 14, 8 p.m.

The Paul Taylor Dance Company will perform statements on American society.

These events take place at Northrop Auditorium. For more information, call (612) 373-2345.

Theater

"Henry V" by William Shakespeare

Stoll Thrust Theater

Oct. 30, 31, Nov. 5-7, 12-14 at 8 p.m.

Nov. 1, 8, 15 at 3 p.m.

"Luann Hampton Laverty Oberlander"

by Preston Jones

Arena Theater

Nov. 6, 7, 12-14, 19-21 at 8 p.m.

Nov. 8, 15, 22 at 3 p.m.

"Misalliance" by George Bernard Shaw

Whiting Proscenium Theater

Nov. 20, 21, 27, 28, Dec. 3-5 at 8 p.m.

Nov. 22, 29, Dec. 6 at 3 p.m.

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

Men's Sports

Cross Country

Grand Slam 10K at Minnesota:
Sept. 12, 8:45 a.m.
Gopher Open at Minnesota:
Sept. 19, 10:30 p.m.
Drake at Iowa:
Sept. 26, 11 a.m.
Wisconsin at Minnesota:
Oct. 3, 10:30 a.m.
Gold Country Classic at Minnesota:
Oct. 10, 10:30 a.m.
TFA/USA at Yahara, Wisconsin:
Oct. 17, 1:30 p.m.
Iowa at Iowa City:
Oct. 24, 10:30 a.m.
5,000 Special at Minnesota:
Oct. 31, 4:30 p.m.

Football

Ohio University at Minnesota:
Sept. 12, 1:30 p.m.
Purdue at Minnesota:
Sept. 19, 1:30 p.m.
Oregon State at Minnesota:
Sept. 26, 1:30 p.m.
Illinois at Illinois:
Oct. 3, 1 p.m.
Northwestern at Minnesota:
Oct. 10, 1:30 p.m.
Indiana at Indiana:
Oct. 17, 1:30 p.m.
Iowa at Iowa City:
Oct. 24, 1 p.m.
Michigan at Minnesota:
Oct. 31, 1:30 p.m.
Ohio State at Minnesota:
Nov. 7, 1 p.m.
Michigan State at Michigan:
Nov. 14, 1 p.m.
Wisconsin at Minnesota:
Nov. 21, 1 p.m.

Hockey

U.S. International, location to be announced:
Oct. 23-24
Northeastern at Minnesota:
Oct. 30-31

Women's Sports

Cross Country

Yellowstone Run at Bozeman, Montana:
Sept. 19

UW-LaCrosse, SDSU, St. Olaf at Minnesota:
Sept. 26

Iowa State Invitational at Ames, Iowa:
Oct. 3

Saluki Invitational at Carbondale, Illinois:
Oct. 10

Big Ten Championships at West Lafayette, Indiana:
Oct. 17

Quadrangular at Minnesota:
Oct. 24

TFA/USA Midwest Open at Kenosha, Wisconsin:
Oct. 31

Region 6 Championships at Minnesota:
Nov. 7

AIAW National Championships, location to be announced:
Nov. 21

TAC National Championships at Los Angeles, California:
Nov. 28

Field Hockey

University of Maryland at College Park, Maryland:
Sept. 14

Towson State University at Towson, Maryland:
Sept. 15

American University at Washington, D.C.:
Sept. 16

Temple University at Philadelphia:
Sept. 17

St. Joseph's University at Philadelphia:
Sept. 19

Carleton College at Northfield, Minnesota:
Sept. 29

Minnesota Invitational at Minnesota:
Oct. 3

Iowa Invitational at Iowa City, Iowa:
Oct. 9-10

St. Louis University at Iowa City, Iowa:
Oct. 11

Big Ten at Iowa City, Iowa:
Oct. 16-17

University of Wisconsin, River Falls at Minnesota:
Oct. 20

University of Wisconsin, La Crosse at Wisconsin:
Oct. 22

University of Wisconsin, River Falls at Wisconsin:
Oct. 27

Northwestern University Classic at Illinois:
Oct. 31-Nov. 1

Regionals at Grinnell, Iowa:
Nov. 6-7

Golf

Susie Maxwell Berning Invitational at Oklahoma City, Oklahoma:
Sept. 14-16

Minnesota Invitational at Minnesota:
Sept. 19-21

Iowa State Invitational at Ames, Iowa:
Sept. 24-26

AIAW Region 6 at Waterloo, Iowa:
Oct. 1-2

Lady Kat Invitational at Lexington, Kentucky:
Oct. 14-16

Lady Tar Heel Invitational at Raleigh, N.C.:
Oct. 31-Nov. 1

Softball

Nebraska Invitational at Lincoln, Nebraska:
Sept. 26-27

Minnesota Invitational at Minnesota:
Oct. 3-4

Northwestern Invitational at Evanston, Illinois:
Oct. 10-11

Tennis

University of Missouri at Iowa City, Iowa:
Oct. 2-3

Marquette University at Minnesota:
Oct. 7

University of Southern Illinois at Edwardsville, Illinois:
Oct. 9-10

Invitational at Augustana College, Sioux Falls, S.D.:
Oct. 14

QUAD Meet at Minnesota (Iowa State, Nebraska, Louisiana, Minnesota):
Oct. 16-17

University of Wisconsin, Eau Claire at Minnesota:
Oct. 20

University of Kentucky at Lexington, Kentucky:
Oct. 23-24

Oklahoma State Invitational at Stillwater, Oklahoma:
Oct. 30-Nov. 1

Alumni Match at Minnesota:
Nov. 8

Fundraiser at Minnesota:
Nov. 15

Volleyball

University of Indiana at Bloomington, Indiana:
Sept. 14

Purdue University at West Lafayette, Indiana:
Sept. 15-16

University of Alabama Tourney at Alabama:
Sept. 18-19

Iowa State University at Ames, Iowa:
Sept. 23

University of Nebraska at Lincoln, Nebraska:
Sept. 25-26

Drake University at Des Moines, Iowa:
Sept. 30

Southwest Missouri State at Springfield, Missouri:
Oct. 2-3

St. Cloud State at Minnesota:
Oct. 6

University of Iowa at Iowa City, Iowa:
Oct. 7

University of Texas at Austin, Texas:
Oct. 9-10

Iowa State University at Minnesota:
Oct. 14

Gold Country Classic at Minnesota:
Oct. 17-18

St. Cloud State at St. Cloud, Minnesota:
Oct. 19

Big Ten Tournament at Minnesota:
Oct. 23-24

Drake University at Minnesota:
Oct. 28

University of Nebraska, Lincoln at Minnesota:
Oct. 31

Gopher Invitational at Minnesota:
Nov. 6-7

AIAW Region 6 Championship, location to be announced:
Nov. 19-21

CLASS NOTES

by Maria Ellard

'11 *Paul E. Klopsteg* of Laguna Hills, Calif., is 92 and is one of the oldest alumni of the University. He and his wife, Amanda, are retired.

'17 *F.J. Meade* of Marshall, Minn., is a retired income tax consultant.

'23 *Ralph B. Dunnovan* of Woodburn, Ore., is retired. He and his wife, Katherine, live in "Senior Estates," in Woodburn.

Agnes T. Landis of New York, N.Y., is retired after 12 years of teaching academic psychology (Smith College, Tulane University, N.Y.U.); two years of teaching school psychology (Bearley, N.Y.); 21 years as director of training in clinical psychology at the Veterans Administration; and 14 years of private practice.

Harold S. Latham of Mendota Heights, Minn., is retired from Northern Pacific Railroad where he was treasurer.

'26 *Clifford H. Anderson* of Minneapolis is the chairman of Crown Iron Works Co., Minneapolis.

'28 *Arthur Nelson* of Edina, Minn., is retired and lives in a cooperative retirement complex in Edina.

'30 *Edna B. Allen* of McGregor, Minn., is a retired registered nurse, who

worked for the Northland Mental Health Association of Grand Rapids, Minn.

Ivan R. Dawson of Glen Ellyn, Ill., is president of Dawson Associates, Glen Ellyn.

Isabel Giddings of St. Paul is the executive vice president of Paul S. Amidon & Associates Inc., an educational publishing company in St. Paul.

Omni Lindfors of Beloit, Wis., served as a volunteer executive for International Executive Service Corps in Saudi Arabia in 1974-75, and in Mexico in 1977. He is retired.

'31 *Inez H. Mikulak* of St. Paul says that, "retirement is a privilege." She's enjoying her five granddaughters and many church-related activities in St. Paul.

'32 *William N. Makaroff* of Santa Rosa, Calif., is a retired cattle rancher and lives in the Oakmont Senior Citizens Community Center with his wife, Rhoda.

'33 *Ernest O. Herreid* of Bloomington, Minn., is a professor emeritus, University of Illinois.

'35 *Daniel A. Armstrong* of Las Cruces, N.M., retired in 1978 after 27 years as chief staff engineer for the

Mercury-Marine division of Brunswick Corp., Fond Du Lac, Wis. He is a consulting engineer in the marine and automotive fields.

Sara B. Ryder of West St. Paul, Minn., is a retired elementary school principal. She was recently awarded a state honor by the American Association of University Women.

'36 *William F. Zieske* of Edina, Minn., is a realtor with Bermel-Smaby Realty Inc.

'37 *Dr. Natale D. Franela* of West St. Paul, Minn., a dentist, retired last year.

Muriel King Smith of Belen, N.M., teaches French and English at Belen High School. She is a soloist at St. Phillip's Episcopal Church and is active in the Albuquerque Opera Theater.

'38 *Gale E. Libby* of St. Paul is president of Perfection Type Inc., Minneapolis.

'39 *Elwood R. Maunder* of Aptos, Calif., is president of the Tennis Club of Rio Del Mar, Calif. He is the former executive director of the Forest History Society of California.

'40 *Edward J. Cook* of Annapolis, Md., was made dean emeritus of the U.S. Naval Academy Jan. 14, 1981.

John A. Graf of Newark, N.J., is the senior catalog librarian at the Newark Public Library where he has worked for 33 years.

Dr. Roland K. Iverson of Yuba City, Calif., is retired from the practice of general and thoracic surgery. His hobbies include photography, golf, and traveling. Every two years Dr. Iverson returns to the University for what he refers to as "their marvelous surgical seminar."

'41 *Jean F. Gordon* of Santa Monica, Calif., is a child custody investigator for the Superior Court, Los Angeles County, Calif.

Harold L. Nelson of Madison, Wis., is a professor at the University of Wisconsin, Madison. He was the recipient of the Association of Education's Paul Deutschmann Award for distinguished research in journalism. Nelson plans to retire from the faculty this year.

Edward W. Semeja of Virginia, Minn., works for the United States Forestry Service.

'42 *Roy H. Eveland* of Mobile, Ala., is a retired FBI agent.

Henry R. Hunczak of Lake-



Ah! . . . So! . . . Good!
Susan Chapman's, '76, St. Paul, recipe for spicy chicken with spinach was worth first place and \$1,000 in a recent Chun King wok cook off.

wood, Ohio, retired in 1980 from the NASA Lewis Research Center after 35 years of employment.

'43 *Howard M. Guthmann* of St. Paul is the chairman of the Better Business Bureau of Minnesota Inc.

'44 *Helen M. Walker* of Minneapolis is on the board of directors of the Greater Minneapolis Girl Scout Council.

'45 *Arlene V. Baia* of Mason City, Iowa, is chairwoman of the health-related division of North Iowa Area Community College.

Earl A. Loomis Jr. of Augusta, Ga., is a clinical professor of child psychiatry at the Medical College of Georgia.

'46 *Lorraine M. Radtke* of Milwaukee, Wis., recently retired from the Milwaukee School Board after serving 26 years as an elected director.

'47 *Fremont C. Fletcher* of Edina, Minn., is serving his second two-year term as the chairman of the board of Mid-America region of the YMCA. He also is an attorney in Minneapolis.

Dr. Robert G. Kroll of Milburn, N.J., is a practicing dentist with an office limited to frightened and handicapped patients.

Frederick A. Parsons of Delano, Minn., is the superintendent of schools in Delano.

Howard B. Woody of Seattle said he is working on the largest windmill program in the world. He is the construction and test manager on the project.

'48 *Bette Van Develde* of Minneapolis is the advertising manager for the House of Large Sizes Inc., Minneapolis.

George G. Durenberger of Pinellas Park, Fla., is retired and each year spends six months in Florida and six months and Avon, Minn. He is the father of Sen. Dave Durenberger of Minnesota.

Robert R. Riesgraf of Eden Prairie, Minn., has retired after 35 years of service with the Corps of Engineers, Veterans Administration, and the Small Business Administration.

'49 *Frederick W. Hart* of Duluth is a teacher in Duluth Central High School.

Earl Kloempken of Minneapolis is a collection representative for Northern States Power Co., Minneapolis.

Dr. Gen Ogata of Riverside, Calif., is a retired soil scientist of the United States Salinity Laboratory.

Richard A. Reinartz of St. Paul is the director of community programs, United States Department of Agriculture.

'50 *Harvey M. Bjerke* of Mantorville, Minn., is the manager of the Citizen's State Bank Hayfield, Mantorville.

Burton J. Iverson of Pitts-

ville, Wis., is serving on the Wisconsin Bankers Association council.

Thomas W. Jacobsen of Minneapolis is vice president and general manager of the Tension Envelope Corp. He is the former president of Sales & Marketing Executives of Minneapolis, and is past international director of Sales & Marketing Executives International. Jacobsen is secretary of the Minneapolis Rotary Club and is a director of Mental Health Advocates of Minnesota.

Raymond F. Kessler of Minneapolis is production manager of the Honeywell residential controls center, Minneapolis.

The Rev. Milton R. Lentz of Waseca, Minn. is a pastor at the United Methodist Church, Waseca.

Howard W. Paulson of New Hope, Minn., is a part-time special education teacher for the Anoka-Hennepin School District 11.

Henry G. Schiller of Los Altos, Calif., is president of Viking Communications Inc., manufacturers of cordless telephones.

'51 *Richard H. Hosterman* of Minneapolis is the president of Hosterman Engineering Inc., Minneapolis.

Joy A. Phillips of Southgate, Calif., is retired. She does volunteer work for her church.

'52 *William E. Hauser* of Warrenburg, Mo., is an associate professor of Spanish at Central Missouri State

University. He's the former president of the Foreign Language Association of Missouri.

Dr. Jerome G. Lommel of Modesto, Calif., is in private pediatrics practice.

'53 *Dolores G. Banham* of Los Angeles is a microbiologist for the Los Angeles County health services.

Donald G. Gronlund of Duluth, Minn., is a pharmacy manager for Target Stores in Duluth.

Earl S. Sanford of Minneapolis was recently elected to the board of trustees of Northland College, Ashland, Wis.

'54 *Chester C. Aronson Jr.* of Afton, Minn., is the manager of Travelers Insurance Co., Minneapolis.

Barry S. Bonoff of Jackson is president of Jackson Graves and is vice president of the Downtown Council of Minneapolis.

'55 *Nancy H. Abbott* of Littleton, Colo., is a programmer-analyst for United Airlines.

'56 *Rosalyn Hessler* of Bellevue, Wash., is a kindergarten teacher in Bellevue.

Stanley M. Goldberg of Minneapolis is the president of the American board on colon and rectal surgery. He recently published a book on the subject.

Kathleen Malizia of Montclair, N.J., was elected secretary of the New Jersey Clipped

Prominent Chicago Leader

Theodore E. Hanson, '54, Mount Prospect, Ill., a partner in tax operations of Peat, Marwick, Mitchell & Co., has been named a trustee of the Illinois Institute of Technology, now in the second half of its \$100 million development program.





Charles Buggs

Microbiology's Biggest Bug

His grandfather was a house slave in charge of the family coach on an average sized plantation, but the grandson neither glorifies nor demeans his heritage. It is a matter of fact. He speaks of it accordingly.

"Whenever the owner would take the coach to the bigger plantations in the area, my grandfather would say they were going to see 'the big bugs up on the hill.' When he was freed, rather than taking the name of his former master as his own, he simply said, 'I'm going to be one of those big bugs.'"

That's the way Charles Buggs, '32, '34, got his surname. Dedication and hardwork have earned him a

place with the big bugs at the top of the hill and in the world of microbiology. He recently received the "Famous Black American Scientist Award" from Nabisco Inc. for his work towards improving science with new medical developments. With this award, Buggs joined the ranks of such famous black Americans as George Washington Carver, renowned for his advancements in agriculture, and Charles Drew, who developed a system for storing human blood.

Buggs who was born in Brunswick, Ga., in 1906, said it was his father, a doctor, who stimulated his interest in science.

"When my father was practicing, a doctor's function was mainly to prescribe for symptoms, with nurses and the patient's family doing the actual work of caring for the patient. It was more an art than a science.

"I had originally planned to go into medicine myself, but a professor of what was then called bacteriology at the University of Minnesota encouraged me in that direction."

Buggs came to Minnesota from Morehouse College in Atlanta where he received his bachelor's degree.

"I was doing the summer railroading . . . worked as a dining car waiter. When I would get into St. Paul, I would always go to the library and I became interested in attending the University of Minnesota.

"At that time very few Negroes attended the big schools, and I was the first Morehouse man to go to Minnesota. I was admitted on probation. Before I entered the graduate school I had to prove myself scholastically.

"Dean Ford was the dean of the graduate school at the time and he was very kind to me. When I needed

Wings Association, former airline hostesses.

Alice K. Rude of Osseo, Minn., is a retired elementary teacher and is a former president of the Wayzata Education Association.

'57 *Gary C. Bennyhoff* of San Antonio, Texas, is the regional supervisor of the Army Field Force, N.W. Ayer, Inc.

Clarence Norrbom of Coon Rapids, Minn., is employed by the Mounds View schools as a senior school nurse. She also is president of the School Nurse Organization of Minnesota.

Donald R. Swanson of

Burnsville, Minn., is a supervisory credit examiner with the Farm Credit Administration in Bloomington, Minn.

'58 *George M. Boswell* of Battle Creek, Mich., is director of mental health, Calhoun County, Mich.

Richard J. Hartmann of Minneapolis was appointed to the nominating committee of the Instrument Society of America.

'59 *David D. Healey* of Hopkins, Minn., is a partner with the firm Balch & Walch Inc., Minneapolis.

Gerald R. Johnson of Upper Saddle River, N.J., is a general manager of operations with American Telephone & Telegraph in New York.

Vernon R. Sunset of Fort Collins, Colo., is president of Sunset Homes Inc., Fort Collins.

'60 *Kendall L. Benson* of Anoka, Minn., is a self-employed certified public accountant.

G. Charles Champlin of Faribault, Minn., was promoted to vice president of special markets for the Faribault Woolen Mill Co., after 20 years as manager of incentive sales.

Robert E. Kalina of Bellevue, Wash., is the chairman of the department of ophthalmology at the University of Washington, school of medicine.

'62 *Kenneth W. Martens* of Courtland, Minn., is the owner of Martens Distributors Inc. & Courtland Concrete Products.

Robert C. Lucas of Missoula, Mont., is directing wilderness management research for the United States Forest Service. He recently published two books: *Wilderness Management* and *Simulation for Park and Wilderness Management*.

money, he helped me out. Then I earned a scholarship from the Rosenwald fund, and later, the Shevlin Fellowship in medicine. That was a \$500 fellowship."

In 1928, Buggs began a teaching career that would span more than 50 years. He started as a biology instructor at the State College for Colored Students in Dover, Del. After two years of teaching he enrolled at the University of Minnesota where he earned his master's and doctor's degrees in microbiology.

In 1934 he became a professor in the chemistry department at Bishop College in Marshall, Texas. From 1935 until 1972, he taught at Dillard University in New Orleans; Wayne University in Detroit; Howard University in Washington, D.C. (where he was chairman of the microbiology department for 12 years); the University of Southern California School of Medicine; the University of California at Los Angeles School of Medicine; and the Charles R. Drew Postgraduate Medical School in Los Angeles. He currently is a professor and lecturer, part time, at California State University, Long Beach, Calif.

Buggs received the "Outstanding Black Scientist Award" for his career in education and for his research work with anti-biotics. One of his early research papers contributed to the establishment of the dosage forms of streptomycin.

After 50 years of teaching and conducting research, you might think Buggs would be ready to retire.

Hardly.

"I can still lecture four straight hours without stopping," he said. "They'll have to put me out to pasture. There'll be no voluntary retirement from me."

Chuck Benda

'64 *James Aamot* of Tucson, Ariz., is the Tucson manager for Coldwell Banker Real Estate Management Services. He also is the 1981 president of the Tucson chapter of Building Owner & Managers Association.

Victor A. Badawi of Naperville, Ill., is a quality control manager for 3M in Bedford Park, Ill.

Mary A. Meidinger of Bismarck, N.D., is community relations director for the Bismarck hospital. She also is serving as vice president of the International Association of Business Communicators,

Great Plains Chapter, Bismarck.

'65 *Richard A. Haight* of W. St. Paul, Minn., is the assistant director of pharmacy for United and Childrens Hospitals, St. Paul.

'67 *Roger M. Adams* of Plymouth, Minn., is the director of personnel for the Wayzata public schools.

Kay A. Groff of Cordova, Alaska, is a kindergarten teacher for the Cordova public school system.

Dr. Gene H. Rouse of Huxley, Iowa, is an associate pro-

fessor in the animal science department at Iowa State University, Ames.

'68 *Linda Nelson* of Woodbury, Minn., is the founder of a new business called Ecclesia of Woodbury, which specializes in custom-designed vestments and clerical apparel for women in the ministry.

Clyde W. Saari of Edina, Minn., received his juris doctor degree in January from the William Mitchell College of Law, St. Paul.

'69 *Jacey J. Bell* of Reidsville, N.C., is a quality control supervisor for the Miller Brewing Co.

Robert L. Olson of Aurora, Minn., is the director of special education services for the Aurora Hoyt Lakes schools.

'70 *Barbara J. Jones* of Denver is a sixth grade teacher and a science leader for the Jefferson County Public Schools in Lakewood, Colo. She also is working on a doctorate in school administration at Denver University.

Michael G. Kurtz of San Diego, Calif., is the senior director and producer of Western Video, which received a Belding Award in the Los Angeles Ad Club for a television commercial.

Edward E. Paradis of Laramie, Wyo., is a professor of elementary education at the University of Wyoming.

Dr. Frederic M. Stone of Minneapolis is in private practice in Pediatric cardiology at the Minneapolis Childrens Hospital.

'71 *Bradley C. Eggen* of Minneapolis is a lawyer with the firm of Lom-

men, Nelson, Sullivan & Cole, Minneapolis.

Joan Nadine Freathy of Bloomington, Minn., is a secondary education teacher at Burnsville Senior High.

Gerald M. Larson of Louisville, Ky., is a faculty member in the department of surgery at the University of Louisville.

Ronald J. Peltier of Woodbury, Minn., is a regional manager for Edina Realty Inc.

'72 *Fredrick M. Fillmore* of Minneapolis is an applications engineer for Trane Sentinel Inc., Shoreview, Minn., manufacturers of building automation systems.

Thomas J. Sweningson of Minnetonka, Minn., is president of Gametronix International Inc., an electronic game designer and manufacturing company.

'73 *G. Spencer Blakeslee* of Danvers, Mass., is a corporate director of manpower planning for GCA Corp. of Boston.

Daniel T. Boris of Minneapolis is a commercial assessor for the city of Minneapolis.

Mary C. Boris of Minneapolis is an administrative analyst for the IDS Life Insurance Co.

John E. Edmunds of Bloomington, Minn., is employed by the city of Minneapolis in the department of public works.

Thomas L. Holtz of Eden Prairie, Minn., is with Coldwell Banker Commercial Real Estate services as an office building specialist.

R.C. Johnson of Minneapolis is assistant principal of Anthony Junior High, Minneapolis. He also is a candidate for a doctorate in educational administration.

Dr. Judith A. Marlett of Madison, Wis., is an associate professor in the department of

Explorer, Lake Expert, Now Heads USC

James H. Zumberge, '46, '50, was inaugurated as the ninth president of the University of Southern California on May 10, 1981. Zumberge, 56, came to USC from Southern Methodist University where he had been president since 1975. He replaced John R. Hubbard who retired.

Zumberge was chosen earlier this year by a presidential selection committee after a 15-month search. His reputation as a fund raiser and astute fiscal manager during his years at SMU played a role in his selection to head USC.

For example, SMU had seven consecutive budget deficits prior to the time Zumberge took over as president. He was able to balance the budget during his first year in office by reorganizing the administrative structure, and by eliminating some academic departments and some intercollegiate sports departments.

He maintained a balanced budget during the remainder of his years at SMU, although he was unable to retire the \$6 million deficit he inherited. He increased

the annual operating budget from \$36 million to \$55 million and witnessed the growth of the university's endowment from \$50 million to more than \$100 million. Before serving as president of SMU, Zumberge was chancellor of the University of Nebraska-Lincoln from 1972 to 1975, dean of the College of Earth Sciences at the University of Arizona from 1968 to 1972, and president of Grand Valley State College in Michigan from 1962 to 1968.

Zumberge, married and the father of four children, was born in Minneapolis in 1923. He began his college education at Duke University, which he left to serve in the Marine Corps from 1943 to 1945. Upon leaving the Marines, he continued his education in geology at the University of Minnesota, earning a bachelor's in 1946 and a doctorate in 1950.

In addition to his record as an administrator, Zumberge also is recognized as a distinguished scientist and a scholar. He led three expeditions to the Ross Ice Shelf in Antarctica in the late 1950s and early 1960s to study the mineral resource potential of Antarctica and the environmental effects of exploiting those resources. Cape Zumberge, Antarctica was named for him.

Zumberge is an expert on the geological origin of lakes. He developed a classification scheme of the lakes

nutritional sciences at the University of Wisconsin.

Jane F. Rasmussen of Minneapolis is a programmer analyst for Northern States Power, Minneapolis.

Elizabeth J. Schorn of Raymond, Minn., is working in a rehabilitation center in western Germany.

Gerald T. Semmler of Minneapolis is in private practice as a licensed consulting psychologist with the Kiel Clinic in Minneapolis.

Christine M. Sorenson of St. Paul is a market administrator in the marketing department of Northwestern Bell.

Joseph L. Stafp of Wyoming, Mich., is an assistant city engineer for Wyoming.

'74 *George Kai Shing Chan* of Hong Kong is employed by Johnson & Higgins as an insurance broker.

Paul R. Christopher of Crystal, Minn., works for Honeywell as a senior contract representative.

Dr. Donald R. Cohodes of Baltimore, Md., is the associate director of the Center for Hospital Finance and Management and assistant professor of Health Services Administration

at the Johns Hopkins School of Hygiene and Public Health.

Russell D. Gould of Hull, Iowa, is the editor and publisher of the *Sioux County Index Reporter* in Hull.

Martha J. Kaneps of Eden Prairie, Minn., is a buyer for County Seat stores.

Philip T. Morrow of New Richmond, Wis., is manager of the Blue Ribbon Feed Co, Inc., New Richmond.

Judith M. Normandin of Minneapolis is a braille program supervisor at the state services for the blind.

Glenn R. Prigge of Grand Forks, N.D., is a professor in

the mathematics department at the University of North Dakota, Grand Forks.

James R. Rasmussen of Minneapolis is an associate electric plant engineer for Northern States Power, Minneapolis.

Thomas J. Sullivan of Minneapolis is a program manager for guided missile launching systems, FMC Corporation.

'75 *Dr. Timothy M. Bergstedt* of Minnetonka, Minn., is a dentist in Minnetonka.

Robbin L. Everson of San Diego is an account representative for Computer Language



Smile. Say Cheese

Dr. Howard A. Morris, professor in the Department of Food Science and Nutrition, has received the 1981 Pfizer Award in cheese and cultured products research. He received a bronze plaque and \$1,000.



James H. Zumberge

of Minnesota in 1950. The University of Minnesota press published his doctoral dissertation in 1952: *The Lakes of Minnesota: Their Origin and Classification*. In addition to scholarly papers, Zumberge has published 10 books, including a widely used college textbook, *The Elements of Geology*.

As president of USC Zumberge will not face the same sort of financial difficulties he inherited at SMU.

However, USC, which has some 25,000 students, faced a recent scandal where some athletes were to be given academic credit for courses they had not taken. And in 1978 there was a controversy over a proposed Middle East Center that was dropped when it was discovered that some of its supporters were guilty of a conflict of interests. (One of the supporters of the Center was found to be the head of a business that was doing millions of dollars worth of business in the Middle East.)

Of such problems, Zumberge said: "I will not tolerate that kind of activity . . . (it is) a blotch on the integrity of the university."

When asked what they thought of his academic credentials, faculty leaders told reporters from the *Los Angeles Times* that they were satisfied. One even went so far as to say, "We're euphoric."

Chuck Benda

Research in San Diego County.

Michael D. Kasmarik of St. Paul is an assistant director in community education in the Mounds View schools.

Fred A. Markquart of Maple Grove, Minn., is an engineering manager at Tol-O-Matic in Minneapolis.

Joseph P. O'Grady Jr. of Milwaukee is a resident in pediatrics at the Milwaukee Children's Hospital.

'76 *Gunnar T. Anderson* of Greenwich, Conn., is managing director Highland General Holdings Inc., a trading and consulting

company, New York City.

Robert J. Cipolle of Roseville, Minn., is associate director of pharmaceutical services at St. Paul Ramsey Medical Center. He also is an assistant professor in the College of Pharmacy at the University of Minnesota.

Michael F. Donnino of Evanston, Ill., is a structural engineer for the Granite Construction Co., deep tunnel project in Chicago.

Stephen O. Heasley of Inver Grove Heights, Minn., is a shift supervisor for computer operations for a K Mart distribution center.

Paul J. Huspeni of Minneapolis is a development engineer for the Conwed Corporation.

Michael T. Morris of Minneapolis is employed by the Minnesota Department of Transportation as a highway technician, cartographic unit.

James W. Turner of Fargo, N.D., is a technical sales representative for the Rohm & Haas Co.

'77 *Richard J. Bjorklund* of Edina, Minn., is a representative of The Bankers Life. He is a member of the Million Dollar Round Table

and a recipient of the National Sales Achievement Award and National Quality Award.

Jon R. Campbell of St. Paul is an assistant vice president in Commercial Banking Group at the Northwestern National Bank of St. Paul.

Thomas W. Coyne of Williston, N.D., is the sports director at KXMD-TV, Williston. He covers state track and basketball tournaments as well as the Babe Ruth world series.

John A.M. Darnel of Charleston, S.C., is a lieutenant in the United States Navy.

Richard A. Ekstrom of

David Roe
David Roe has replaced Neil Sherburne, who retired, as the at-large representative on the University of Minnesota Board of Regents. Roe, who was unopposed in his bid for the position, was sworn in at the May meeting of the Board of Regents. He is president of the Minnesota AFL-CIO and lives in St. Paul.





Clarence Syvertson

He's In Control at Ames

He provided ground test support for the space shuttle," said Clarence A. Syvertson, '46, '48, who is director of the National Aeronautics and Space Administration's (NASA) Ames Research Center in the San Francisco Bay Area.

He went on to explain his agency's role in developing the space shuttle Columbia:

"Our people developed some of the key materials for the tiles. (Columbia was sheathed in special heat-resistant tiles to keep it from burning upon re-entry into the atmosphere). We tested the shuttle in our wind tunnels, and checked on various handling or flying quality problems in our flight simulators. The astronauts came up and 'flew the shuttle' on our simulators. I even flew it — not very well — but I flew it. I kept landing 1,000 feet above the runway."

Syvertson, 55, earned his bachelor of aeronautical engineering and his master's degrees from the University of Minnesota.

He runs the Ames Research Center a good deal more smoothly than he lands a space shuttle simulator.

He recently was elected to the National Academy of Engineering — the highest professional distinction that can be awarded to an engineer — on the basis of his accomplishments during his 33-year career with NASA and its predecessor, the National Advisory Committee for Aeronautics.

In honoring him, the National Academy of Engineering cited his "outstanding contributions in aerospace engineering, sound guidance of research and technology programs, and innovative institutional guidance."

Talking on the telephone from his office at Moffett Field, Calif., Syvertson translated the Academy's citation thusly:

"There are three parts to this: The first part (outstanding contributions in aerospace engineering), refers

Duluth, Minn., is director of rehabilitation services, Benedictine Health Center, Duluth.

Clyde G. Hanson of Louisville, Ky., is business manager of *Landscape Architecture* magazine in Louisville.

Mark W. Lapham of Edina, Minn., received his juris doctor from the Drake University Law School in May.

Paul J. La Vanway of Wausau, Wis., is the regional manager of human resources for the Weyerhaeuser Co., Schofield, Wis.

Lyle I. Larson of Boise, Ida-

ho, is a procurement engineer with the Hewlett Packard Co., Boise.

James R. Milnor Jr. of Sunnysvale, Calif., is a regional operations service manager for AT&T long lines department in Santa Clara, Calif.

Benjamin Mintz of St. Paul is a legal assistant in the senior citizens division of the Legal Aid Society of Minneapolis.

Dr. Donald E. Pannen of Tacoma, Wash., is an associate professor at the University of Puget Sound.

Terri L. Riehm of Bloomington, Minn., is working for Fleischmann Malting Inc., Minneapolis, as an analytical biochemist.

Kimberly M. Roden of Minneapolis is director of campaign promotion for the United Way of Minneapolis. She was the recipient of the 1980 Public Relations Society of America-Minnesota chapter award.

Kristin Young Savage of Bridgeport, W. Va., is a sales representative with Rhone Poulenc Inc.

David L. Schafer of St. Paul is supervisor of data base administration for St. Paul Companies.

Laura D. Scherf of Burnsville, Minn., has finished her second year of medical school at the University of Minnesota.

Annette R. Shireman of St. Louis Park, Minn., is an instructor at the Sawyer Business School in Minneapolis and a part-time instructor at North Hennepin Community College.

Marshall V. Weber Jr. of Minneapolis is a factory repre-



Willis Drake

Willis Drake, Independent-Republican, defeated incumbent Robert Latz, DFL, for the Third Congressional District seat on the University of Minnesota Board of Regents. Drake, a businessman from Edina, Minn., was sworn in at the May meeting of the Board of Regents.

to some early work I did when I was a researcher. I spent the first 15 years (at Ames) doing my own research. I published nearly 35 papers. Some of the theories developed in the papers proved very useful in predicting the stability of such vehicles as the Polaris Missile. Another aspect of it was the development of the concept for a very high speed aircraft, which was the basis for the design of the B-70 Bomber. We also worked on the M-2 Lifting Body, a research vehicle used to study the flying qualities of very unusual shapes at high speeds. The M-2 had no wings. In many ways it was a precursor of the space shuttle.

"The second part (sound guidance of research and technology programs) refers to my management of the research programs here at Ames. We manage the Pioneer family of space craft — Pioneer 10 and Pioneer 11 — that were the first two vehicles past Jupiter. We have at the center probably the finest collection of aeronautical research facilities anywhere. We have 19 major wind tunnels, 10 flight simulators, and 23 research aircraft.

"The third part (innovative institutional guidance), refers to the unique and diverse program we have at Ames. We are probably the most research-oriented center within NASA. We have the most diverse programs, covering everything from the aeronautics that I mentioned, to biology in search for life elsewhere in the universe. We've found unusual ways to carry out our mission. At any given time there are close to 400

students here at the center. They run a complete gamut from high school students who we're trying to keep from dropping out, to post doctoral fellows. Last year we had some kind of arrangement with 119 colleges and universities. Students come from all over to work for our scientists and in our facilities."

The M-2 Lifting Body that Syvertson and his colleagues worked on at Ames achieved an anonymous sort of notoriety after a test flight crashed. The film of the crash was made public and was used by the producers of "The Six Million Dollar Man." The opening sequence of each episode of the once popular television show was a film clip of an actual crash of the M-2 Lifting Body. The pilot in real life was injured, much as was the hero of the television show, only his injuries were less extensive, and he recovered, according to Syvertson — without the addition of bionic parts.

Syvertson has received the Lawrence Sperry Award from the American Institute of Aeronautics and Astronautics; and a Meritorious Executive award from Jimmy Carter.

Syvertson also is a member of the Aerospace Engineering and Mechanics Department Advisory Council at the University of Minnesota.

The Ames Research Center covers some 422 acres near South San Francisco Bay. There are more than 2,000 employees and the annual operating budget is \$240 million.

Chuck Benda

sentative for H.D. Hudson Manufacturing Co., Minneapolis.

'78 *Nina S. Bond* of Walnut Creek, Calif., is a teacher at Heald Business College in San Francisco.

Steven F. Brandwein of Minneapolis is working on a master's degree at the American Graduate School of International Management in Glendale, Ariz.

Richard E. Carlson of St. Paul is a supervisor in the training department for Northwestern Bell Telephone Co.

Linda K. Escher of Richfield, Minn., is a graphic artist at the Minnesota Zoological Gardens.

Eudora L. Frakes of Minneapolis is a staff and research nurse for the University of Minnesota Hospitals.

Martin A. Hidy of Edina, Minn., is a German and math teacher at Washington Junior High in Ely, Minn.

Gail L. Kummer of Hopkins, Minn., is employed as an institutional trader with Dain Bosworth Inc., a Minneapolis stock brokerage firm.

Samuel McKelvey of White

Plains, N.Y., is manager and director for the Canadian government's office of tourism in New York City.

Alexander J. Orosz of New Brighton, Minn., is a purchasing agent for the Sperry Univac semiconductor division in Eagan, Minn.

Mary C. Remington of Minneapolis is a personnel administrator at S.J. Graves & Sons, Minneapolis.

David J. Rusinko of Minneapolis is a stockbroker with Van Clemens & Co., Minneapolis.

Dennis J. Trudeau of Minneapolis is an industrial sales representative for Naab Industrial Sales of Hopkins, Minn.

'79 *Dr. Kevin Bjork* of Bismarck, N.D., is a dentist.

Wayne C. Bollum of St. Paul is a marketing service and planning manager for International Multifoods, Minneapolis.

David F. Bond of Walnut Creek, Calif., is a senior accountant with Deloitte Haskins & Sells in San Francisco.

Verne Long

Verne Long, Independent-Republican, defeated incumbent Lloyd Peterson, DFL, for the Sixth Congressional District seat on the University of Minnesota Board of Regents. He was sworn in at the May meeting of the Board of Regents. Long is a farmer from the Pipestone, Minn., area.



Ronald L. Dykstra of Roseville, Minn., is manager of data processing recruitment for Robert Half of Minnesota, Inc.

Dale M. Eggert of Fond Du Lac, Wis., is a district marketing representative for Cenex Cooperatives in northeastern Wisconsin.

Betty A. Few of St. Paul is a center manager for Head Start of Ramsey Action Program, St. Paul.

Susan A. Joqua of Minneapolis is head golf professional at Majestic Oaks Golf Club in Anoka, Minn.

Timothy J. Hanna of Minneapolis is a pharmacist for Walgreens and is involved in a management training program.

Todd W. Lewis of Indianapolis is a landscape architect with AMAX Coal Co. of Indiana.

David S. McCauley of Coon Rapids, Minn., is the mayor of Coon Rapids and manager of planning and administration for the Peavey Co.

Sharon J. Ozga of Hopkins, Minn., is a technical writer for Honeywell, residential division. She is active in the Honeywell Band and the University of Minnesota alumni band.

Joel Sinn of Lua Lua Lei, Hawaii, is a lieutenant in the Civil Engineer Corps of the United States Navy.

Allen P. Ziarnik of Houston is an engineer in the offshore systems division of the Exxon Production Research Co.

'80 Julie Alstad of Roseville, Minn., works at the Oak Hill Montessori as a teacher's assistant and is working toward a nursery school teaching certificate.

Kathleen M. Ames of Shoreview, Minn., is a pharmacist for Betlach Pharmacy in Fridley, Minn.

Thomas F. Buckley of Hazelwood, Mo., is a test engineer in the aerodynamic and propulsion labs of the McDonnell Aircraft Co., St. Louis.

Joanne H. Collins of St. Paul is a curriculum specialist for the Minnesota Curriculum Services Center in White Bear Lake, Minn.

Richard G. Fish of Sleepy Eye, Minn., is the manager of the Del Monte Corporation based in Sleepy Eye.

Jeffrey A. Harkman of Minneapolis is a sales representative for Land O' Lakes in the food service division.

Bruce A. Manuel of Fredericksburg, Va., is professor of dramatic arts at the Mary Washington College in Fredericksburg.

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Deaths

Dr. J.W. Gruner, '19, '22, in March of 1981, in Minneapolis. Dr. Gruner had been a professor in the department of geology and geophysics at the University of Minnesota since 1944 and was a teacher at the University from 1922 until his retirement in 1959. In 1966, he received the Roebling Medal of the Mineralogical Society of America, the highest scientific award in the field of mineralogy.

Ogden F. Beeman, '21, on March 25, 1981, in Portland, Ore.

Edward P. Mulcahy, '27, on Jan. 21, 1981, in St. Louis Park, Minn.

Elizabeth Ukkelberg, '29, on March 12, 1981, in Rancho Mirage, Calif.

Harold L. Mitchell, '30, on March 12, 1981, in Madison, Wis.

Maurice L. Halpern, '32, in January 1981, in Scottsdale, Ariz. He was a resident of Minneapolis.

Merl V. Seney, '32, recently while on a Caribbean cruise. He lived in Woodburn, Ore.

Dr. Verne C. Fryklund, '33, on Nov. 15, 1980, in San Clemente, Calif.

Dr. Cliff E. Aubel, '35, in March, 1981, in Manhattan, Kan. He had been emeritus professor of animal science at Kansas State University where

he was on the faculty from 1919-1961.

Dr. Roger M. Reinecke, '37, '38, '40, '41, on Feb. 28, 1981, in Hato Rey, Puerto Rico. Dr. Reinecke also received several teaching assistantships from the University of Minnesota. He had been professor and head of the department of physiology in the medical school of the University of Puerto Rico the year before he died.

Richard C. Wallsmith, '38, on May 25, 1981, in West Plains, Mo.

Richard H. Whitmore, '38, on May 23, 1981, in Omaha, Neb.

Helen Birch, '41, on June 30, 1981, in La Mesa, Calif.

Adolph H. Axelson, '42, on March 8, 1981, in Duluth.

Arthur D. Brickman, '42, in April 1981, in University Park, Pa. Brickman was professor emeritus of mechanical engineering at Penn State University, University Park.

James E. Hill, '51, on March 25, 1981, in Alexandria, Va. Hill had spent 28 years with the United States Bureau of Mines before retiring in 1970 as its director of mining research.

Esther M. Goehring, '62, in May 1981, in Dunedin, Fla.

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Berklich, Mary M.; CLA; Hibbing, Minn.
Faust, Terrence; '77 CLA; Minnetonka
Filbert, Kenneth W.; '39 IT; Port St. Lucie, Fla.
Freathy, Joan Nadine; '81 GRAD; Bloomington
Guyor, Helen M.; '24 NURS; St. Paul
Hall, Raymond W.; Minneapolis
Hall, Mrs. (Raymond W.) Lois J. Sovereign Marek; '78 GRAD; Minneapolis
Henry, Nancy Kisselburg; '80 GRAD; Rochester
Hoffman, Dr. Warren F.; '62 MED; Torrance, Calif.
Johnson, David L.; '61 MORSC; Hendricks, Minn.
Hymes, Richard; Edina
Hymes, Mrs. (Richard) Gretchen K. Salyards; '61 ED; Edina
Johnson, Virgene Hammill; '78 CLA; Minneapolis
Kierlin, Robert A.; '64 GRAD; Winona, Minn.
Lyons, Doralynn Frances Macey; '41 BUS; White Bear Lake
Mach, Dr. Byron; '71 DENT; Pine City, Minn.
Mc Louth, Malcolm E.; '62 GRAD; Cocoa Beach, Fla.
Miller, Steven E.; '71 CLA; Minneapolis
Moran, James; Edina
Moran, Mrs. (James) Dolores E.; '78 CLA; Edina
Mulcahy, Dr. John J.; '74 MED; Zionsville, Ind.
Remes, William J.; '80 CLA; Minneapolis

Rhode, Robert B.; '37 IT; Duluth
Ruben, Rose Kaplan; '51 ED; Minneapolis
Silha, Otto A.; '40 CLA; Minneapolis
Silha, Mrs. (Otto A.) Helen Fitch; '41 ED; Minneapolis
Smith, Dr. Darcy Jo; '80 VET M; Salem, Ore.
Terwilliger, Mrs. Catharine O'Connor; '39 ED; Wausau, Wis.
Utecht, Gregory R.; '78 GRAD; Apple Valley
Utecht, Mrs. (Gregory R.) Teresa A.; Apple Valley
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Zimmerman, Joanel E. Felker; '79 CLA; Minnetonka
Wagner, Ronald J.; '80 AG; Minneapolis

Installment Life Members April 1981

Aasen, David P.; '79 BUS; Brooklyn Park
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Backmann, Albert P.; '71 BUS; Annandale, Minn.
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Berreau, Michael F.; '79 IT; Le Sueur, Minn.
Blake, J. Paul; Edina
Boyer, Steven R.; '79 IT; Minneapolis
Briese, Joanne M.; '79 CLA; Grand Forks, N.D.
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Broen, Mrs. (Donald L.) Janice C.; '60 ED; Minneapolis
Christensen, Thomas N.; '79 IT; Ithaca, N.Y.
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Diemer, Dr. Raymond J.; '67 VET M; Windom, Minn.
Elster, Dr. Richard S.; '64 GRAD; Monterey, Calif.
Elster, Mrs. (Richard S.); '62 ED; Monterey, Calif.
Forrest, Teresa A. Wagner; '79 IT; Arlington, Texas
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Gavin, Judith A.; '79 CLA; Elmwood, Wis.
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Gerst, Mrs. (Barry D.) Marcia J. Field; '69 ED; Edina
Getsug, Bertram; '34 IT; St. Paul
Goblirsch, David L.; '54 GRAD; Edina
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Hanson, Mrs. (Greg A.) Katherine R.; Rapid City, S.D.
Hartle, Robert J.; '42 BUS; Austin, Minn.
Hartley, Steven W.; '80 GRAD; St. Paul
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Have, Mrs. (Ronald A.) Lisa M. Anderson; '74 NURS; Bloomington
Hayes, Robert J.; '75 BUS; St. Paul
Hecomovich, Terrence J.; '69 CLA; St. Paul
Henschke, Sandra; '78 NURS; St. Joseph, Minn.
Hermanson, Donald E.; '51 CLA; St. Paul
Hughes, Richard A.; Lake Elmo
Hume, Elroy L.; '61 CLA; Middletown, R.I.
Hunter, Dr. David L.; '74 MED; Scotts Valley, Calif.
Jacobson, Walter F.; '64 CLA; Fridley
Jesson, Devaughn P.; Minneapolis
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Johnson, Lt. Jeffrey L.; '79 AG; Ft. Lewis, Wash.
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 Loudenback, Crystal M.; '69 ED; St. Paul
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 Lundheim, Erling J.; '35 IT; Wahkom, Minn.
 Marren, Patricia P.; '79 GRAD; Mendota Heights
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 Steen, David E.; '79 CLA; Minneapolis
 Steen, Mrs. (David E.); Minneapolis
 Stewart, Bonnie; '78 GRAD; Little Canada
 Stock, Leo; '49 CLA; St. Louis Park
 Swanson, Dr. James T.; '61 DENT; Long Lake

Tagatz, Edgar J.; '61 VET M; Gibbon, Minn.
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MINNESOTA

University of Minnesota Alumni Association

October 1981





MINNESOTA

October 1981

Volume 81 No. 2

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ISSN: 0164-9450

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Stephen W. Roszell

Minnesota, October 1981, Number 2, 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.



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In early November, 29 University of Minnesota architecture students will talk about what it was like to spend 10 weeks traveling and studying in China. Here's a sneak preview.



13 Catching on and Staying Hot

by Chuck Benda

A look at Stewart Luckman, the man behind the Minnesota Alumni Association's sculpture project.



17 Back From the USSR

by Burton Paulu

"Teach the class just as you would at home," the Russian journalism dean told Burton Paulu.

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Cover: The color, the culture, the ambience of China — exemplified in the costume of this opera singer — changed the thinking of 29 University of Minnesota architecture students during their 10 weeks of travel and study in China last spring. Photo by Dan Polachek.

Inside Front Cover: The first one to correctly identify the four persons in this 1953 Homecoming photograph by Stu Gang, '51, of St. Paul, will receive a free pregame Homecoming box lunch to be served in the Architecture Court from 11 a.m. to 12:30 p.m. October 10. Please mail your answer to *Minnesota*, 100 Church Street SE, Minneapolis, Minn. 55455. No phone calls, please.

The Northrop Phantom

I was trying to read John McPhee's "Giving Good Weight," but the sun was burning and the glare off the page was blinding.

I hurried from the sun porch off Coffman Memorial Union to the main entrance where I found a shady spot and a white metal chair to sit in.

That was when I heard the carillon. It was shortly after noon and an unmistakable melody was drifting toward me from somewhere in the vicinity of Northrop Auditorium.

"I've played that tune hundreds of times," I thought, putting down the book, "but what is it? It sounds like ragtime. Ragtime? Nobody would be playing ragtime on the carillon —"

The nobody turned out to be Frank William Brocato, 30, a doctoral student in organ, and he was playing "The Mississippi Rag," believed to have been the first rag ever published.

And later when I found him sitting in his closet-size office on the second floor of Johnston Hall, he admitted:

"It's all so unglamorous."

Brocato took over the job as University carillonneur in 1978, 30 years after the first carillonneur — Paul M. Oberg, head of the music department — began.

The carillonic bells are located on the third floor of Northrop and consist of 25 English bells used to play simple melodies; 61 Flemish bells, which add five octaves to the set; and an Americana harp, celeste, and quadra bells.

In 1948 the bells were given to

the University by H. Rowatt Brown in memory of Frances Miller Brown, his wife.

Not many listeners know that the music is live, Brocato said. "Some have said to me: 'Hey, I was sure that it was a tape.'"

He is paid nearly \$6 an hour and usually plays from noon until 12:15 p.m. Monday through Friday. If he is ill or there is a holiday the bells can be played automatically.

"Sometimes if there is a concert on the mall I will begin early and sometimes I play in the afternoon when the civil service workers are leaving the job." He also plays for commencement.

The carillon, one of the largest in the nation, he said, is very complex, and is all-electronic.

There are three keyboards in a little room near the stage. "I go in there and lock the door," said Brocato, who has dark Italian hair, a stocky build, and a square jaw. His white shirt was open at the collar and he was wearing a gold chain.

"Here I am working in a storage room and sometimes I have to stand up to play," he said, going on to explain that the room in Northrop recently was so jammed with props for a musical he could hardly find the keyboard.

"It is not like playing a piano," he said, "and it's not like playing the organ."

"The bells have their own style. You have to have a light but staccato touch. It is easy to slip and make a mistake, but because of the long reverberation, the sound (mistake) is usually covered up."

He said he is an accomplished music sight reader and never practices the bells.

Most of the music he plays is not ragtime; it is classical.

"Debussy works well and so does Bach and Scarlatti along with some early English composers."

"Is the carillon hard to play?"

"No, I use music all the time and have to adapt most of it. You can't play chords, large ones especially, because they become distorted. The bells would sound cacophonous."

"Your favorite composer?"

"Bach."

"And you play his — ?"

"French Suites."

"Where's the best place to listen? Northrop Plaza?"

"Oh, no. Walk down the mall and stand near Ford Hall or Coffman for the best sound."

The bells are turned to the highest volume, he said, and at one time could be heard on the St. Paul campus.

Brocato is the organist at Gloria Dei Lutheran Church where he also is director of three of five choirs and is the liturgical coordinator. In addition he is a pre-major adviser for the College of Liberal Arts and is a member of the scholastic committee.

He was born in Helena, Ark., studied at the conservatory of music at Cincinnati, has a master's of fine arts from Minnesota, and is working on a doctorate, which he hopes to receive in 1982 or 1983. He studies with Heinrich R. Fleischer.

There is one thing more, I asked. "I am curious about another tune you play. I think it is the Bach Tocatto, which was the theme from the movie 'Phantom of the Opera' starring Lon Chaney Jr. Why do you play that?"

"It's a long story. When I first took over the job from Anne Plant there was some sort of misunderstanding and I wasn't paid for the first five weeks. The *Minnesota Daily* did a story and they called me the 'Phantom of Northrop.' So, I continue to play that theme —"

Richard D. Haines

LETTERS

Archbishop Responds

The June issue of *Minnesota* magazine is well done and the format is appealing as well as attractive.

*Archbishop John R. Roach, '57
Minneapolis and St. Paul*

Speak Out!

Where are all the 1910ers? There were 400 of us back in 1910.

*Ina B. Rowe, '10
Sun City, Ariz.*

Don't Forget Crissy

I am delighted with the article on Jill Halsted ("All American Candidate," May 1981).

I would like to tell you about our first national champion, Crissy Cury Gentz. She recently won the AIAW three meter diving national championship to become the AIAW three meter diving champion for 1981. An interesting side light on Crissy is that she was the first athlete to receive an athletic grant based on athletic ability from the Patty Berg Development Fund.

*Vivian Barfield
Women's Intercollegiate
Athletics*

Editor's Note: This summer Vivian Barfield announced plans to step down from her post as director of women's athletics in September 1982.

Forget Football

Regarding your inquiries whether the Gophers should stay at Memorial or move to the new Humphrey Metrodome, here is my answer: *discontinue* the so-called Gopher football.

Being in politics for the last 25 years, I am fairly well known in this part of the world, including my college background (J.D. Minnesota law, 1953). Year after year, the biggest joke out here is the Minnesota Gopher football. Frankly, I am getting tired of some of the jokes directed at me and my alma mater.

If the University of Minnesota and the entire State of Minnesota (the "U" is the only large university in the state) cannot field a competitive football team, I say drop the program and concentrate on some other areas: medicine, law, engineering.

*Joaquin C. Arriola, '53
Agana, Guam*

Who Should Pay?

I was surprised by the article ("Reduced Services to Cost More," April 1981) because it seemed to imply the state should shoulder the cost of supplying services to private enterprise at no cost.

I know the University Veterinary Diagnostic Lab is doing a good job. The question is, "Who should pay for its services?"

It would seem that the people who use the services should pay as do other businessmen in the state. Because some users are complaining that they must pay for what they have been getting free in the past, does not seem to be a good reason for the University to require the State to pay.

I should be pleased to hear arguments pro and con.

*Quincy E. Fortier '44
Las Vegas, Nev.*



Four unidentified coeds attending Homecoming in 1941 were featured in the April issue of *Minnesota*. They are, from left, front, Mildred (Jarman) Henry, '43, Sacramento, Calif.; Inez (Steenson) Benjamin, '42, Walnut Creek, Calif.; back row, Guinevere (Smythe) Fausch, '43, Mt. Baldy, Calif.; and Elaine (Smythe) Cressey, '43, Santa Barbara, Calif.; "We all lived in Comstock Hall on the west side when Comstock was the newest dorm," Mrs. Fausch wrote.

MINNESOTA STATE HISTORICAL SOCIETY

AT THE 'U'

Study Shows Grads Like 'U'

A comprehensive study of 1977-1978 University of Minnesota graduates shows most were satisfied with their college education and would choose the University again.

A joint project of the offices of the vice presidents for student affairs and academic affairs, the survey included all five campuses of the University. Participants were asked to assess their University education and their employment status a year after graduation.

Questionnaires including more than 160 items were mailed to 10,589 graduates in the 1977-1978 academic year one year after their graduation. Responses were received from 6,830 graduates (3,669 men and 3,161 women) for a response rate of 64.5 percent.

Those who responded were 463 students who had received an associate degree; 4,344 who had received a bachelor's degree; 1,270 who had received a master's degree or specialist certificate; 421 who had received a professional degree; and 332 who had received a doctoral degree.

For the longitudinal aspects of the study, which started during the 1981-1982 academic year, 2,678 graduates were chosen at random; 2,034 or 76 percent responded.

The survey is the first in a series to be conducted every four years. The information will be used in program planning and evaluation. A preliminary report on a pilot study of Twin Cities campus graduates was published in 1980.

Evaluated by five researchers, the comprehensive survey data showed that four of five graduates

— including 87 percent of the doctoral recipients and 84 percent of the associate degree recipients — were "moderately" or "very" satisfied with their experiences at the University, while only 11 percent expressed some level of dissatisfaction.

Whether the graduates would choose the University again was considered an overall assessment of the University. A total of 73 percent of the respondents said they would choose the University again, while 20 percent were not sure and seven percent said they would not.

The graduates also were asked to indicate whether they would choose the same major field of study again. Seventy-one percent of the men and 65 percent of the women said they would; 16 percent of all the respondents said they were not sure, and 16 percent said no. Eighty percent of those who earned professional degrees said yes.

The former students also were asked to evaluate instruction overall and in their major department. Seventy-eight percent said instruction in their department was good to excellent and 81 percent assigned those ratings to their overall instruction. Seven percent said instruction in their major was poor or very poor and four percent said their overall instruction was poor or very poor. Those who earned doctorates and associate degrees gave the highest ratings to their instruction, both in their major field and overall.

Eighty-one percent were in the labor force at the time of the survey; 76 percent of them were employed; and five percent were seeking employment. There was only a two percent difference between men (77 percent) and women (75 percent) reporting employment.

Of those who earned doctoral de-

grees, 91 percent were employed; 68 percent who earned professional degrees were employed, but 26 percent were involved in internships or residencies, while only one percent of the doctoral recipients were in such programs. Three-fourths of those who earned bachelor's degrees were employed.

Average salaries followed a straight progression in terms of level of degree: associate graduates, \$11,318; bachelor's graduates, \$13,238; master's or specialist graduates, \$17,835; professional school graduates, \$19,190; doctoral graduates, \$20,670. The survey did not differentiate between men and women within degree levels, but overall men were making more money than women: \$16,629 on the average for men versus \$12,521 for women. Fourteen of the male graduates were earning \$50,000 or more. One woman said she made that much money.

Seventy-three percent of the employed graduates said they were moderately or very satisfied with their jobs. Eighteen percent said they were underemployed in terms of their job responsibilities, and 13 percent said they might be underemployed.

Professor Named to Drug Commission

Dr. Jay N. Cohn, professor of medicine and head of cardiology at the University of Minnesota, has been named to a Congressional commission studying the federal drug approval process.

The 25-member panel will spend six months reviewing federal Food and Drug Administration

policies, looking for ways to expedite the approval process of new pharmaceuticals without compromising public safety. There is a seven- to ten-year period between the discovery of new drugs and their approval by the FDA.

"We are assigned the task of restructuring the system," Cohn said. "We are beginning with the idea that there is a need for a change."

Cohn will be heading the commission's investigation of FDA advisory committees, which review research results before the FDA determines if a drug will be put on the market. Advisory panel recommendations currently are not binding on the FDA.

"There is some thought to giving the advisory committees actual approval authority." In many European countries, such committees do have authority.

In addition to seeking ways of cutting red tape and expediting the approval process, the federal commission will also look at a new surveillance system that can guarantee quick withdrawal from the marketplace of drugs with harmful effects.

"This is not a simple problem. If we are to speed up the approval process, the public will have to accept some risk. There is no question that part of the reason for the lag is to make certain that we're not going to approve drugs with harmful side effects."

Hospital Construction Expected to Start

Construction is scheduled for completion in 1985 on a new \$190-million, 10-story hospital.

The 464- to 520-bed unit will be located on the site of Powell Hall, the former nursing dormitory, on the Minneapolis campus.

The new structure will replace hospitals built between 1911 and the early 1950s. In addition to acute care beds, it will house operating and recovery rooms, the departments of diagnostic and therapeutic radiology, the emergency room, laboratories, and other support services.

The University will continue to operate 195 beds in the Masonic Cancer Center, Variety Club Heart Hospital and the Children's Rehabilitation Unit.

The \$190-million hospital bonds will be repaid by patient revenue during a 30-year period and not from the state's general tax fund.

Vice President Returns to Faculty

"I've been in the vice president's position now for 11 years and believe it is time for a change," Dr. Lyle A. French said. He returned to clinical and teaching duties on the Medical School faculty after having been vice president for health sciences at the University of Minnesota.

"It has been a very interesting and rewarding experience working as vice president for health sciences but there are things in clinical medicine which I haven't had time to do and would like to accomplish."

French, who previously served as chief of staff of University Hospitals and chairman of the department of neurosurgery in the Medical School, has asked University President C. Peter Magrath to appoint a search committee to find a replacement. French will remain as vice president until a successor is named.

Under French's leadership, the Health Sciences schools have expanded to provide educational



TOM FOLEY

Dr. Lyle A. French

opportunities for many more students in nursing, medicine, dentistry, public health, pharmacy and allied health programs. Since 1973, new facilities have been built to house four of the five schools on the Twin Cities campus and the Medical School in Duluth and during this year's legislative session, a bonding bill was passed to enable renewal of the University Hospitals.

A native of Worthing, S.D., French earned his undergraduate degree from Macalester College in St. Paul. He graduated from the University of Minnesota Medical School in 1939 and took his internship and residency here as well.

French's graduate training in neurosurgery was interrupted by World War II where he served as a neurosurgeon in the U.S. Army for three years in the Mediterranean Theater of Operations. He was discharged in 1946 with the rank of major.

French returned to the University and earned both a master's and a doctorate in neurosurgery. Named an instructor on the Medical School faculty in 1947, French climbed the academic ladder to become professor and chairman of the neurosurgery department in 1960.

Elected chief of staff of University Hospitals in 1968, French was appointed vice president for health sciences in 1970. Although he resigned the chairmanship of the department, French has remained active as a professor of neurosurgery.

After 10 weeks of study and travel in China, 29 University of Minnesota architecture students returned with a changed view of what architecture is all about.

The Orient Expressed

by Chuck Benda

Tim Pellowski said: "It was dusk. We came down from the clouds. I looked out the window, and there it was. The whole city of Hong Kong. All the neon . . . all the calligraphy on the signs."

Dan Polachek said: "There were immediate indicators of just how crowded of a civilization we were going in to. When we got out of the airport and onto a bus, the streets, the highways, were all interwoven — double-decker — and very narrow. It was 11 at night and the city was still going like daytime . . . and it went all night. When we awoke in the morning, you could see the roof tops. For lack of space, people made homes on the roofs. Four families might share the roof of one apartment building."

From Hong Kong, they went by train to Canton in the People's Republic of China. It was a three-hour train ride.

Michael Diem said: "We were better off than the Chinese. They were incredibly packed on their car. It seemed so bizarre. There was a television screen at the front of the car, and there was this woman on the screen, talking in all these different languages, telling us about Canton. It kind of reminded me of 1984 (George Orwell's futuristic

novel) where you've got Big Brother up on the screen. It was like, 'Oh-oh! This is it. We're going to be here for the next three months, and there's nothing we can do about it.'"

Carol Titrud said: "I don't think I was afraid . . . but there was a definite difference between there and anyplace else I traveled. The Chinese people are really interested in foreigners."

Tom Guerin said: "They treated us like dignitaries. They were so careful about what our impressions were. They wanted to learn from us, and let in as many western influences as possible . . . but they didn't want any bad habits brought in. It seemed to me that they were a very sincere people. They wanted our friendship above all else."

Last spring, 29 architecture students from the University of Minnesota, including these five who were among the first to return to the campus this fall, spent 10 weeks in China. Five weeks were spent at the University of Tientsin where the students studied Chinese architectural history, watercolor painting, and design. The other five weeks were spent traveling and observing the Chinese — absorbing some of the subtler aspects of their culture as reflected in sources as diverse as the mudbrick huts of the rural people and the colorful costumes of opera singers.

In November, the students will give a presentation based on their travels and studies.

"We didn't see the tourist package of China," Diem, a 22-year-old native of Minneapolis, said. "We saw the student's view. I feel really sorry for people who spend maybe three times as much as we did and see maybe one-tenth of what we saw."

Most tourists travel by bus, and are shown what the Chinese want them to see, the students said. They stay in the best hotels, and rarely get a chance to get out into the streets on their own.

"Just being there — in China — for three months . . . trying to communicate," Titrud said, her frustration showing in her halting speech. "The whole process of trying to buy a notebook took half an hour."

The students began preparations in advance of their departure. They spent a quarter studying basic Chinese and listening to lectures from others who had traveled to China, or from University of Minnesota professors who came here from China.

Much of the preparation was left up to the students, and they seemed to pick up as much or as little as they wished.

"After all that instruction most of us just knew how to say 'Mihao' and 'Zaijan' (hello and goodbye)," Diem said.



Several of the students bought Flying Pigeon bicycles while they were in Tientsin. Carol Titrud looks on as her bicycle undergoes minor repairs. Photo by Michael Diem.

"'Please give me a bottle of beer' was probably the most frequently used phrase," Guerin said. Guerin, 22 and soft-spoken, is from Green Bay, Wis. "But some people in our group were able to hold conversations with the Chinese."

I bought five books on China," Polachek said. "In one of the books they studied a particular street in a particular town in China, and when we went there we had the good for-

ture of staying in a hotel that overlooked this street.

"All of us bought guide books. Some of us had read before about the towns we were going to see. And we all read about the towns we were coming to as we rode on the train."

Most of the students' travel within China was by train. They traveled in cars with open berths stacked three high along the aisles.

The rides were long — 40 hours from Canton to Peking — and they soon learned to make themselves at home, settling in with backpacks, guitars, and guidebooks.

They began their stay in China traveling and sightseeing in Hong Kong, Canton, Peking, and other cities in eastern China. After two and one-half weeks, they arrived at Tientsin, a city near Peking with a population of approximately seven



There was time for study and time for the stepping stones in the park. One of the students' projects was to design a pavilion for a park such as this. Photo by Michael Diem.

million. Here they were to spend five weeks studying architecture at the University of Tientsin.

"I remember the first day at the University of Tientsin," Pellowski said. "They took us around as a group, showed us our classrooms, and introduced us to our teachers. Then it struck my mind, 'My gosh! I'm going to school at a Chinese University.'

"When we went up to the architecture department, there was a great big red banner at the top of the stairs that said, WELCOME AMERICAN STUDENTS TO STUDY IN OUR DEPARTMENT. It made me feel good."

The special treatment from the Chinese extended beyond warm greetings. The students were housed in freshly-painted rooms in a Tientsin dormitory. They had their own cafeteria and the design studios were stocked with new equipment.

"The food was fantastic," Guerin said. "I'd never really had true Chinese food before. For breakfast we had rice porridge . . . and roasted peanuts. Maybe some hot peppers, little hors d'oeuvres, and steamed rolls. And maybe some cookies.

"Lunch and supper were pretty much alike. First they would bring out a big pot of rice. Then they'd bring out pork dishes, and fish. Not much beef. Lots of vegetables. Some Szechwan foods . . . spicy foods."

"There was sweet and sour carp, tofu, caramelled potatoes . . . all cooked in woks," Titrud added. "They always served the soup last. There was no dessert."

The students often drank beer with their meals. The brand names may have been strange — Tai Shan, Wushi — and the taste a little different, but they never ran out.

"They had a guy who sat right by the front door of the dormitory who sold us beer any time, 24 hours a day. Usually just before lunch and supper we'd grab a bottle and go eat," Guerin said. "First the beer was all warm, but a couple of us explained we usually drink cold beer. They brought in a big refrigerator."

Cold beer was a treat, but the students' Western palates suffered from the lack of American food.

"We all had different cravings," Diem said. "Mine was Reuben on rye."

Others craved cheese, ice cream, hamburgers, pizza, or a nice cold glass of water — something difficult to get in China.

There were problems with the class work at Tientsin, despite the extra effort extended by their hosts. At first the Chinese had scheduled class for six days a week, but when they learned that the American students were accustomed to a five-day school week, they changed the schedule.

"The lectures got a little frustrating," Pellowski said. "Everything had to be translated, so they were twice as long. But the design studio was interesting."

The students had three classes during the five weeks of study. From eight to 11 in the morning, three days a week, they studied the history of ancient Chinese classical architecture. Two days a week they studied watercolor painting from eight to 11. There was a two-hour break from 12 to two in the afternoon.

"From 12 to two, we had our siesta tanning club," Diem said. "The Chinese people liked to sleep then, but we liked to sit in the sun."

From two to five in the afternoon, the students studied design. One of two projects was to design a Chinese pavillion in a park. They had to learn classical Chinese proportional systems and incorporate them into their designs.

"Their proportional system has certain so called happy numbers

... three . . . five," Diem said. "If you wanted to do a bridge out on the lake, it had to have three or five turns."

"When we would start to change things in our design," Titrud said, "they would come up and say, 'No, no, no! It's been like this for thousands of years. You can't change it.'"

The second project — either an architecture building for the University of Tientsin, or a tourist hotel — was to be designed in a style that the students thought was appropriate.

"The Chinese really want to modernize, and catch up with the rest of the world," Pellowski said, "but at the same time, they have this wonderful culture and nice mental attitude towards things. We wanted to keep the Chinese spirit in it — the organic and the formal nature of it — and still make it something that shows a definite progression into the future. We came up with a lot of different ways to look at that."

"The Chinese were really impressed," Geurin said. "They were impressed when we presented our final projects. We had 29 designs, in 29 drawing styles. Because of the rigid system they are under, the Chinese students seldom put forth such individual expression."

"We got a lot of good instruction," Polachek said. "Things did change while we were there. There

"It was like, 'Oh-oh! This is it. We're going to be here for the next three months, and there's nothing we can do about it.'"

was a sort of fusion between their beliefs and our ideas . . . that was really nice."

When the class work was finished at Tientsin, the students traveled for another two and one-half weeks, heading west to Sian, and finishing up in the garden cities of Hang-chou, Wushi, and Shanghai. The most striking impression seemed to be the masses of people everywhere they went. Cities of 100,000 were called villages.

"I really missed not having a place to go and walk in the woods, and be alone . . . to look at this land and think, 'Gee, maybe no one had been here in the last couple of years,'" Polachek said.

"If you stopped in any city to look in a store window, you were immediately surrounded by a crowd. If you were in a bad mood, it was an unfortunate situation. You could shoo the crowd away, but 30 seconds later a new crowd of 50 would surround you.

"We had to climb trees and sit on top of walls in order to sketch. Otherwise the Chinese would stand in front of the subject, or lift up the pages to see what was underneath."

Despite the masses of people, tourists have little trouble boarding trains or getting into theaters. When ticket takers saw that they were American, the students were ushered to the front of the line, whether they wanted to be or not. The Chinese people might be jostling among themselves for a place in line, but they smiled and stepped aside to allow the students to the front.

These, however, were the kinds of experiences that stuck out in the students' minds far more than their visits to the usual tourists sights, such as the Great Wall of China.

"In one town, I rode along with the baggage truck to the train, ahead of the rest of the class," Polachek said. "The bus that took the class went around the city. The



This painting (left) displayed near the entrance to one of the eight outer monasteries near the city of Chenda served as a map to the monastery. Joy W. Healy's project (right) reflects the cultural influences that showed up in the American students' work. Photo by Tom Guerin.

“When we would start to change things in our design, they would come up and say, ‘No, no, no! It’s been like this for thousands of years. You can’t change it.’”

truck that I was on went right through town.

“We came upon a huge crowd of people following soldiers who were marching about 10 men in chains down the street. I asked the truck driver, ‘What’s going on here?’ He said, ‘Those are criminals. They’re taking them into town to be shot.’ ‘You mean they shoot their criminals in public?’ I asked. He said, ‘Yes. It keeps people from hurting each other.’

“Tientsin is the third largest city in China, I think. About seven million. The last murder that occurred there was about five years ago! These people know how to live with each other.”

“I think this helped our architectural education immensely,” Diem said. “Architecture isn’t buildings. It’s how people act. It’s psychology.”

“We’re so much more free to use space in America,” Titrud added. “In China, it’s conserved. Every bit of space is used. A room has many functions.”

“If you had a plot of land in China the size of this table (a table for four in a restaurant) there would be some rice growing,” Pellowski said. “There’s a real sensitivity to the land. They respect the earth.”

“I think these things will affect my subconscious in the future. I certainly don’t think it would be appropriate to do a Chinese pavilion in the middle of Loring Park, but these things impressed me.”

“They are the furthest along in the race for living together in a

crowded space, something the earth may be headed towards,” Polachek said. “Many of the cities are crowded with narrow streets. They don’t have nice two-story houses, but they still have intimate spaces.

“Their yard may consist of a 10-by-20-foot area of packed dirt, but

they’ll go out and sweep that dirt and keep it clean. We may never see those conditions in America, but I know that there are places we can use that kind of intimacy and their care for personal space.”

“It was a real cultural shock, coming back to Los Angeles,” Diem said. “Going downtown on a Sunday, and seeing these huge streets with nobody on them . . . it was like a ghost town. There weren’t people swarming everywhere, like when your entire cone of vision was filled with little movements all the way around you because there were people in literally every nook and cranny.”

“I think we learned more about life, than architecture,” Carol Titrud said. **AA**



The students paid a cursory visit to the Great Wall of China, but they were more impressed by impromptu visits to farm villages and other sites they felt the usual tourist never sees. Photo by Tim Pellowski.

Catching On and Staying Hot

by Chuck Benda
Photos by Ike Austin

He's a broad-shouldered Irishman with a German name who looks like a Swedish lumberjack. Stewart Luckman, 43. Sculptor. Teacher. Ice blue eyes, sparking with enthusiasm. Curly blond hair. A mouthful of jumbled gray teeth, smiling out at you like discarded blocks of stone.

His voice dances with excitement as he speaks, coaxing your attention.

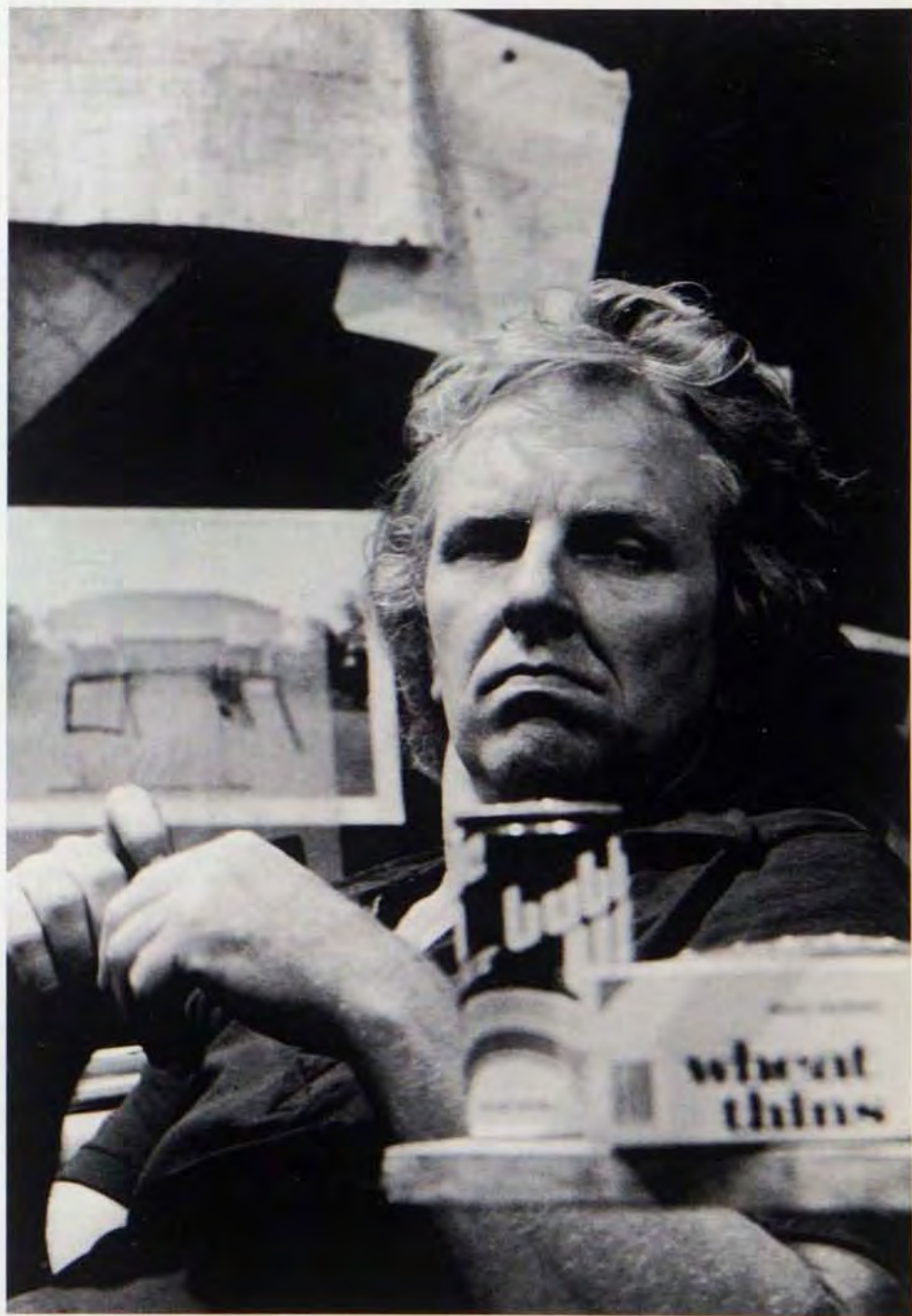
"I started teaching sculpture (at Bethel College) in a coal bin. We cleaned it up and poured a concrete floor in on a Saturday afternoon. Now I've got a huge studio with three cranes and all the equipment we need.

"I can't teach the students, but I can provide them with an environment. It's exciting. I'm constantly involved with the process of renewal. I tell the students, 'It can take you a long time to do what you want to do — but you've got to have a dream.'"

Stewart Luckman has a dream; a dream that will come true — at least in part — October 9 when his latest sculpture is dedicated on a triangular, grassy site in the plaza adjacent to Williamson Hall. It has been a long time coming.

"I grew up a block away from the Boston Museum. Instead of baseball, I went to the museum and put my nose up against the glass until I was 11."

Luckman's father was a minister, and as Stewart grew up, he lived in



Luckman said that being a sculptor sometimes means playing like a child, with models and drawings, but he's dead serious about it.

Chicago, Addis Ababa, Ethiopia, and New York, where he attended prep school at Stony Brook.

He began his undergraduate education in premedicine at Bethel College in St. Paul. That was largely to please his parents, Luckman said, and he soon switched his studies to political science and history, with the thought of entering law school or the diplomatic service.

"Then Vietnam came along," he said, "and there was no way I was going to be a part of that."

He got a teacher's certificate, and the deferment that went along with it. When he graduated he moved to Seattle.

"I applied to 187 school districts. One responded. I ended up teaching eighth grade in a self-contained classroom at a school 30 miles out of Seattle."

At that time, Luckman wanted to coach football and track in high school. To get a job at a nearby high school, he needed to take more classes at the University of Washington. One of them was an art class.

For the next two years, Luckman became involved with coaching. His track and field team won a state championship, and the community fell in love with him. They had never had a winner before.

"But I was miserable," Luckman said. "I didn't want to be just teaching art. I wanted to *do* it."

His wife — Luckman married the first year out of Bethel — told him he'd better do it now; five years down the road would be a lot harder.

So he packed his bags and returned to Minnesota, where he en-

rolled in Macalester College to study art.

"I wanted to be a painter, but I was forced to take sculpture because the chairman of the department was a sculptor."

Luckman came out of Macalester with a master's in art education and a passion for sculpture. He then enrolled at the University of Minnesota where he earned a master's in fine arts in 1973.

"Now," he said, "they are paying me to do what I like to do." He is chairman of the art department at Bethel College. He teaches art because he says he owes everything he has to others who have taught him, and he wants to return that.

He does art because he loves it, and he wants to keep that passion flowing as he finishes working on the 15,000-pound stainless steel sculpture he was commissioned to complete by the Minnesota Alumni Association.

"I want to stay hot with this, right down to October 9 (the day of the dedication). "This is the juicy part. It's right in the middle. It's mind-boggling."

"It" is \$25,000 worth of stainless steel, 25 feet long, and nearly 15 feet high. And as Luckman talked about it, it was sitting behind him upside down in the warehouselike shop of Metro Manufacturing, a St. Paul firm that manufactures staircases, duct, iron railings, railroad bridges, and other steel products.

"The tubes were made in Georgia and Ohio, and where the plate came from, God knows. That's why this thing turned into a two-year project."

The tubes looked more like stain-

less steel tunnels. Before they were closed off with manhole sized caps by the welders, a small man could have crawled through them. They were rolled into tubes from flat stainless steel plates one-half an inch thick.

A company in Duluth was the only place Luckman could find where such tubes could be bent in the smooth arcs he wanted for his sculpture.

"Up in Duluth, when they were bending the tubes, there was a little electrical circle — a bright cherry red circle going around the pipe (heating it for the bend). And the pipe moves so slowly. You think it's moving. You think you saw it, but you can't see it. And there it is. It's just beautiful, like spaghetti!"

Through the smoke from the welding in the shop in St. Paul the sculpture looked more like the duct on a ship, or the pipes of some huge, infernal boiler. The glare of the welders arc flashed. Pieces of metal clanged as they were dropped to the floor somewhere in the back of the shop.

Chalk markings on the sculpture — arrows and numbers: "to tube B," "three inches off center," "81/4" — gave it the appearance of an oversized model waiting for someone to glue on the final pieces. If you look at the series of wood and cardboard models Luckman built before he arrived at the final concept — and the sketches he drew on the back of napkins, postcards, and Perkins' placemats — the impression of looking at the work of a child at play is even more striking.

Luckman takes that as a compliment.

"Einstein said something like — and I don't consider myself this — 'Genius is childlike-ness, retrievable at will,'" Luckman said. "I fool around a lot. I *really* fool around. If you're saying this is fooling around, you're absolutely right, and I'm dead serious about it." He picks up the maquette, turns it over, sets it down, and continues. "I have a mind that allows me to pick out the

"If you're saying this is fooling around, you're absolutely right, and I'm dead serious about it."

better fooling around . . . the better playing . . . the playing that I should continue to pursue — improvisationally. I watched my son playing the yard one day, and I was envious." The boy played with no preconceptions, no inhibitions, Luckman said.

So what's the difference between the work that Luckman does and a child's playing with building blocks?

"I'm not sure. I really don't . . . I'm committed to just staying at the process. I really don't know. I can't give you an answer," he said, getting angry for a moment. Then he relaxed. "The only answer I can give is that I really believe in it." His voice softened, a touch of reverence slipped in. "God, I'm just . . . I'm catching on more and more and more. I just hope I can keep catching on."

Then Luckman's voice gained in volume.

"People come along and say, 'I could do that.' But I say, 'Will you? Why don't you? How come you haven't?' and, 'How long would you?' Because I know how long it takes. Some guy told me something about the attrition rate (of art majors). There are so many who graduate. Then in a year, 1,500 drop off. In five years . . . I don't know . . . 3,000 drop off. It's a tortoise and the hare kind of thing. You just hang in there and keep banging away. You've got to believe in it, because welding is really boring . . . Absolutely boring. Grinding is a bore. You get red spots on your legs, or you get a spark in your eye, and it's a drag."

Luckman believes in himself, he believes in his playing. But he doesn't live in a world of make believe. The reception and acclaim he has received for his sculpture indicate it is much more than child's play. In addition to chairing the art department at Bethel College, he has taught as a visiting artist at the University of Wisconsin, the College of St. Catherine, the Minneapolis Institute of Arts, Macalester College, and St. Paul Academy.



Much of Luckman's work on this sculpture paralleled that of a shop foreman — checking blueprints, approving last minute changes, and assisting the welders.

He won the Avon Award in sculpture and painting at Macalester College and has had sculptures commissioned by eight institutions in addition to the University of Minnesota. His work has been shown in one-man and group exhibitions from Seattle to New York.

His latest effort is untitled. Who names a baby before it's born?" Luckman asked. This mass of stainless steel has been his biggest challenge to date.

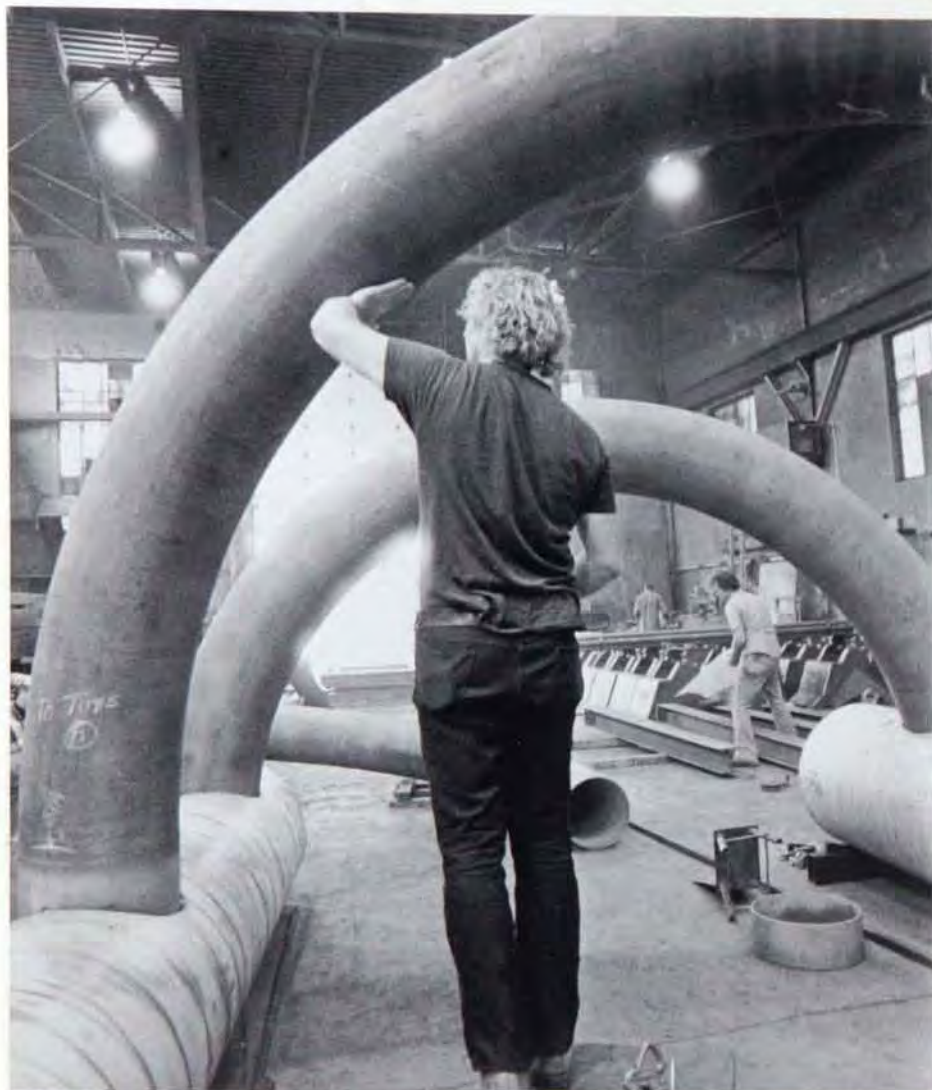
"I never thought there would be all these detours in the road."

The sculpture originally was scheduled to be completed in a

year, but Luckman had difficulty finding companies that could do the kind of metal-working he wanted. Materials were side-tracked through clerical errors, and engineers told him the huge stainless steel tubes couldn't be bent into a smooth arc. Luckman persisted.

"This is the first sculpture I didn't build myself. I was more of a businessman. I had to think on my feet, and show the welders and pipebenders that I knew what I was doing."

An exhibit in the University Gallery on the third floor of Northrop Memorial Auditorium will chronicle



In this photo the partly assembled sculpture was resting upside down in the shop at Metro Manufacturing. Before it was polished, the surface of the stainless steel resembled that of ordinary steel plating.

the entire process from concept to completion. The show, October 1 to November 15, entitled "Process: A Public Sculpture by Stewart Luckman," will include some of the early maquettes, the rough sketches, the welder's blueprints, photographs of the people who worked on the

sculpture, and a videotape of the work in progress.

"Somebody did all of this for me," Luckman said, referring to the bending and welding. "I tried to convince those guys at the plant that I wanted them to care about what they were doing. They really

"I prepare myself for everything to go wrong. Constantly. Like a boxer. But down inside, I believe ultimately."

got excited. I like that kind of involvement."

The final cost of the sculpture will be between \$55,000 and \$58,000. Just moving the piece from St. Paul to Minneapolis will cost from \$5,000 to \$6,000, he said.

With all the investment of time, money, and love, Luckman is understandably apprehensive — both of completing the sculpture on time, and of the reception it will receive from the public.

The biggest job left is polishing the surface of the sculpture, a job that Luckman said he will finish if he has to build a scaffold around the piece and work around the clock.

"There'll be grainings and workings in the stainless steel, which some people will see as a sign of imperfection. The edges where the tubes are capped must be just so," he said, motioning with his hands, "so that it won't cut you to touch it, but so that it cuts your eye." He turned his head slightly, smiling as he considered the metaphor.

Then, curling his hands into fists and raising them in front of his face, he said: "I prepare myself for everything to go wrong. Constantly. Like a boxer." He bobbed his head slightly. "But down inside, I believe ultimately in it. The public could say, 'For God's sake, why did they put this thing out here. I been laying in the sun here all summer. They could've spent the money on Wilson Library . . . on anything . . . Why this big ugly piece of stainless steel'?"

But then he smiled, and the look in his eyes said that either he doesn't believe they will say that . . . or he doesn't care if they do.

"The most important thing is to have them feel something. I'd rather have them hate it than be indifferent.

"You've got to live half-scared. The most horrible thought would be to think that this is it. That there is nothing more."

One question plagues him yet. "Now what? What comes after this?" **AM**

BACK FROM THE USSR

Story and photos
by Burton Paulu

Burton Paulu, who retired in 1978 after 40 years as director of radio and television at the University of Minnesota, has been to the Soviet Union eight times. Last year he was the first American scholar to teach a full-length course on western broadcasting at Moscow State University. He and his wife, Frances, who is executive director of the Minnesota International Center in Minneapolis, arrived in Moscow Sept. 17, 1980, and left at the end of December.

Paulu was born in Pewaukee, Wis., in 1910; received a music degree from the University of Minnesota in 1931; for 18 years was a substitute and extra player with the Minneapolis Symphony Orchestra; and since 1965 has written a bimonthly column for the Review of the European Broadcasting Union, reporting on American broadcasting to European readers. He also has two other degrees from the University of Minnesota and a doctorate from New York University. His fifth book, Television and Radio in the United Kingdom, was published in October of this year by the University of Minnesota Press in Minneapolis and Macmillan in London.

Here, then, are some of his observations on Russia:

On Living . . .

We lived in a small two-room "bloc" in the Lenin Hills dormitory of Moscow State University, with a private shower, toilet, and wash bowl, and a small entrance hall. Furnishings included daybeds, two tables, two bookcase-china cabinet combinations, a large

refrigerator, a color television set, and our own telephone. There were two community kitchens on each dormitory floor; they were inconvenient and unattractive. So we did much cooking in an electric skillet and hot pot in our rooms. The student cafeteria fell much below our standards, and the faculty dining room was not much better. When we didn't eat in our rooms we went to the American Embassy snack bar, which offered good food and interesting company, or else we patronized the dining rooms in the Intourist hotels, where the food was good but the service appalling.

Dormitory shops sold Russian bread, which is of high quality, milk (often sour), eggs, cheese, and other

priority seems to be pregnant women, those with small children, and senior citizens.

Standards of maintenance for most public facilities are astonishingly low. Faucets leak, door checks don't work, the absence of handrails makes ice-covered steps hazardous, and telephone service is unpredictable.

We were told that our rooms and telephone were bugged, and that everything we said might be recorded. Even within the embassy compound some conversations are monitored, although I presume our embassy maintains some impenetrable security.

There is nothing haphazard about the ideological controls. Border

"We were told that our rooms and telephone were bugged, and that everything we said might be recorded."

staples. We also had access to public markets and stores. Unfortunately, consumer goods were scarce and shoppers' lines long, so we usually patronized the diplomatic gastronomer or grocery store and the embassy commissary.

The Metro or subway is a masterpiece of efficient design and operation, but the bus service leaves much to be desired. We often expected to have our ribs cracked in the rush-hour crush. Traveling on dirty, graffiti-smudged subway cars in New York City recently made me wish for the spic-and-span Moscow Metro. Commendable is the Moscow practice of the young giving up their seats to older riders. The

passport examinations are thorough, and the three policemen at each American Embassy entrance check to see that no Russians are admitted without their government's written permission. We had University ID cards to show to the students and grandmothers stationed at classroom buildings and dormitory entrances, although for us cursory examination was the rule. We needed, however, special permits to leave the dormitory with suitcases. Before our flight back to Minneapolis, a customs official gave our luggage an hour-long examination.

Most foreigners, both diplomats and business people, must live in special enclaves. These consist of

one or more usually superior apartment houses, with a militia man on duty 24 hours a day. In addition to guarding the parking lot, he keeps track of the comings and goings of the residents, and notes or prevents visits by unauthorized natives. We had the fortune to live briefly in two American executive apartments. These had all the comforts of an American home, from dishwashers to videocassette playback machines, but we were told that there might be hidden microphones.

Although few Americans are entertained in Soviet homes, we ate three sumptuous meals in two modest Soviet apartments.

On Teaching . . .

As a Fulbright-Hays lecturer, I was the first person from a western country to teach a semester's course in journalism at Moscow State University. This gave me an opportunity to present facts and concepts about western broadcasting to some future media leaders. For her part, my wife interviewed Soviet professional counterparts,

and participated in the activities of the International Women's Club.

The Faculty of Journalism, the country's leading journalism school, trains specialists in all aspects of the print and electronic media. The school is very internationally minded. Shortly after arriving, I addressed some 40 faculty and graduate students concerned with foreign journalism. Their areas of study included the socialist countries, the Middle and Far East, Western Europe, Africa, Latin America, the United States, and Canada.

My wife and I were given red-carpet treatment by the journalism faculty. Two of its members, one woman and one man, had the assignment of looking after us. They met us at the airport, shepherded us through bureaucratic mazes as we obtained ID cards, and offered assistance in shopping. They also made appointments with the Soviet broadcasters and others whom we wanted to see. On the social side, they took us to several of the city's best restaurants, entertained us in their homes, and escorted us to concerts, operas, and ballets. Since

our embassy friends also entertained us frequently, we had enjoyable social as well as professional experiences in the Soviet Union.

Moscow State University has some 35,000 students. About 2,000 of these study journalism in day classes; others do so in night school, and by correspondence. All students must be proficient in at least one foreign language. My students, mainly from the Moscow area, were juniors and seniors, although a few faculty and some workers in Radio Moscow's external services often joined us. Proficiency in English was an absolute prerequisite since I do not speak Russian.

"Teach the class just as you would at home," the dean of journalism told me. He especially urged me to show videotapes of American television programs. At no time did anyone insist that I either do or not do anything and I was subject to no censorship or pressures whatsoever. Some Fulbright lecturers, especially in cities outside Moscow, have been subject to supervision and harassment, but I conducted my class as if the students had flown over to Minneapolis for the course.

I brought with me some 50 books on American and British broadcasting, and so far as I was able to tell, the students had access to all of them. At the dean's suggestion, I brought several copies of my own study of East European broadcasting, which he knew contained some critical appraisals of Soviet broadcasting and found that the students were anxious to read what an American had written about them.

At the first meeting I explained my objectives: to tell and show something about broadcasting in United States and the United Kingdom; to demonstrate how one American professor conducts a university class; and to add to my knowledge of the USSR, its educational procedures, students, and broadcasting. Although I did not say so, another objective was to correct some misinformation about the western media. I did not proselytize



Paulu, at left, was invited to the home of Joe and Jennifer Adamov. Joe is the chief announcer for Radio Moscow, North American Service.

or preach. Perhaps for that reason, our discussions were pleasant, courteous, and productive.

With those guidelines, I lectured and assigned readings on such topics as the legal and economic bases of British and American broadcasting; our handling of political and controversial issues; station ownership and control; broadcasting to foreign countries; audience research; and public broadcasting.

There were additional auditors on the day I appraised and compared the output of the British External Services; the American Voice of America, Radio Free Europe and Radio Liberty; and the English language services of Radio Moscow. Radio Moscow sent someone to record that lecture — with my permission. He assured me it was for reference only and not for broadcast. No one then or later seemed to resent my rather severe judgment of Radio Moscow's External Services.

Videotapes, borrowed from the American Embassy, and from the NBC and CBS correspondents in Moscow, included some newscasts — the first western television newscasts most of the students had ever seen; the Reagan-Anderson debate (a matter of great interest); an NBC documentary on investigative journalism; and two situation comedy episodes: the "Mary Tyler Moore" show and the "Jeffersons" series.

On Reaction . . .

Student reactions and questions reflected the information and concepts instilled by their schooling and media. Many Soviet citizens believe that our country is run by a hidden super government, controlled by Wall Street bankers. They also think this group owns and manipulates the schools and information media. They do not understand how we can operate with two parties doing most of their business in the open; and they re-

gard our two parties as basically the same.

The television newscasts featuring the 1980 campaign must have indicated that *we* at least regard the two parties as competitive. From the vantage point of a one-party Communist state, however, our parties probably seem similar, since they accept the concept of a competitive, privately-owned economic system.

During the course the students realized that our media often criticize the government. After an NBC newscast, which told of increases in unemployment and inflation, one student asked:

"Is it good for the media to criticize the government?"

Whether or not he agreed with me that it is, that student learned that our media are sufficiently free to indulge in such criticism.

Inevitably, the subject of advertising cropped up. The Soviets take

was illegal in both Britain and the United States, they asked a good question: how could one tell there was no subliminal advertising, since if it were there, it would be too unobtrusive to be noticed?

Inevitably the Central Intelligence Agency came up for discussion. The Soviet media forever link the CIA, correctly or not, with all American activities to which they object. One of the first videotapes I showed was a short NBC documentary about investigative journalism. Afterwards one student asked: "How do the CIA and the media coordinate their investigations?"

I explained that the CIA and the media are separate; that neither controls the other; that each had investigated the other; and that CIA and FBI spokesmen have been asked embarrassing questions on press interview programs.

No doubt the course had its

"Many Soviet citizens believe that our country is run by a hidden super government, controlled by Wall Street bankers."

a dim view of advertising, which they regard as a means for the "bourgeois capitalist owner class" — to use their term — to sell unneeded consumer goods to the public.

In reply, I admitted that there were advertising excesses; expressed preference for the shorter advertising periods permitted on British television; and reviewed our various advertising controls.

The students showed particular interest in subliminal advertising, apparently regarding it as a means of secretly brainwashing the American public. When I told them it

shortcomings, but I believe that, on balance, the students benefitted from it, just as I did.

On U.S.-Soviet Relations . . .

We must realize that the residents of the USSR are Soviet citizens first and Communists second. Imperialist Russian history during the centuries prior to the Communist Revolution of 1917 helps explain Soviet fears of invasion; the country's autocracy, idea

control, and censorship; and the severe and often cruel punishments of dissenters.

We must accept the fact that the Soviets are here to stay. Furthermore, they will not become a western style democracy, any more than we will turn into a Communist dictatorship. Coexistence, therefore, rather than domination, must be our objective.

We must not try to beat them accumulating armaments. They will no more settle for second place than we will. Equality, however defined, rather than superiority, must be our goal. Otherwise, we shall face a constantly escalating arms race.

We must recognize that the Soviet Union will insist on influencing if not controlling, the countries adjacent to its western borders. This is their sphere of influence, just as we have ours in the New World.

We must realize that the United

grams now emanating from these stations appear to be quite objective and fact-based, at least by our standards, at the outset their purpose was to alter the governments of the target countries.

Radio Liberty service to the Soviet Union began in 1951 as a project of the CIA, although for a decade the facade was maintained that it was a spontaneous project supported by public donations. The front organization was called the American Committee for Liberation, and its purpose was declared to be the "establishment of a genuine representative government responsible to the will of the people" of the USSR.

Two years earlier, the CIA under the cloak of a National Committee for a Free Europe, initiated a similar service to the Soviet Union's western neighbors.

Soviet officials have pointed out to me that while they have broad-

tion, such as our interventions in Iran, various South and Central American countries, Vietnam, and elsewhere. Several recent American television programs have documented in detail the attempts by our CIA to assassinate Fidel Castro, the Communist leader of Cuba. We still may be more "right" than they are; but at least let's be honest, objective and skeptical in judging the actions of our government and in comparing them with those of the Soviet Union.

It would be an improvement all around if the information media on each side reported more fairly on the other one. Surely the Soviet media present a highly distorted view of the United States. Unless they change their basic information objectives — which is unlikely — improvement here will be long in coming. But, many of our news stories emphasize the sensational and the faults about the Soviet Union. We need accurate reporting about them, not just for the sake of fairness, but to insure a better range of information on which to base decisions about our policies vis-a-vis the USSR.

The CIA should be kept separate from both the media and academe. Most press spokesmen oppose the use of reporters as CIA informers, and we academicians should take a similar stand. When the CIA called me upon my return from Moscow I flatly refused to talk with them. Neither before an academician goes abroad, nor after his return, should he have communication with the CIA, if he is to maintain credibility as an objective scholar, researcher, and teacher.

We need enlightened leadership on both sides. It is hard to believe that a group of men with an average age of 68 or 69, led by an ailing leader of 74, most of whom have had little or no experience beyond their own borders, can adequately guide the world's largest nation. America's record, too, can be faulted.

Related to the issue of leadership

“We must be prepared to admit to ourselves and to the world that the United States is not always “right” and the Soviet Union “wrong” in matters on which we disagree.”

States has done many things which, rightly or wrongly, have given great concern to the Soviet Union. For example, we were one of the 14 countries invading Soviet territory after World War I, and the downfall of the new Communist government was one of the objectives of that confused operation.

We have installed high-powered radio transmitters in Europe to broadcast to the Soviet Union and its neighbors. Although the pro-

cast to us as long as we have broadcast to them, they at least did not try to change us by radio into a communist state, while we avowedly tried to get them to conform to our pattern.

We must be prepared to admit to ourselves and to the world that the United States is not always “right” and the Soviet Union “wrong” in matters on which we disagree. Actually, we have done a good many things that are open to ques-



These are Moscow citizens viewing posters displayed outside of the American Embassy following the election of Ronald Reagan as president.

is the need to train specialists in the history, cultures, and languages of the world.

On Free Speech . . .

To me the most important difference between Communism and democracy is their different definitions of freedom of expression. The Communists use news and information selectively and aggressively to build their society. We attempt — even though we may not always succeed — to determine the facts objectively, subsequently reporting and interpreting them as fairly as possible. After decades of operation under the First Amendment, however, we still differ among ourselves as to just what freedom of speech involves.

A few months ago, television personality Bill Moyers wanted to schedule a debate on the non-commercial Public Broadcasting Service between Georgy Arbatov, head of a Soviet agency that studies the United States, and two other

Soviet citizens, and three Americans — one senator, a former government specialist on the Soviet Union, and a journalist. The plan was dropped when the State Department refused to extend Arbatov's visa for a few days so he could take part in the program. The ruling was justified as a response to Soviet denials of airtime to American spokesmen, although Moyers reported that a senior State Department official said the real reason was that "they simply want to get Arbatov out of this country because he's been receiving so much coverage for his views."

This was the wrong approach. Rather, we should follow the reasoning of the late Supreme Court Justice, Oliver Wendell Holmes Jr., who wrote in 1919 that "the best test of truth is the power of the thought to get itself accepted in the competition of the market." (Fortunately, however, on Aug. 16, 1981, the ABC television network did broadcast an interview with Arbatov, in which Arbatov spoke from Moscow by satellite, with one

of his two American questioners in Moscow and the other in Washington.)

On Exchanges . . .

Let me also make a plea for the extension of educational and cultural exchanges. At relatively low cost, such activities do a great deal to eliminate international misunderstanding. The man in the street in neither the United States nor the Soviet Union bears a grudge against his counterpart in the other country, but he may lack correct information. While travel helps, short tours often do little more than reinforce previous beliefs and stereotypes. On the other hand, a semester's or a year's residence by a visiting student, researcher, or teacher may instill some new viewpoints. A reduction of such exchanges at times of international tension would be highly counterproductive. Those are the very times we most need to talk to each other. **■**

SPORTS

Salem Faces Pressure Season

by Doug Grow,
The Minneapolis Star

There isn't anybody walking around with roses between their teeth, anymore.

Remember those billboards with the roses? Smokey Joe Salem was back in town and there was all sorts of excitement surrounding the University of Minnesota football program. Smokey Joe was all laid back and ruffled and everyone felt good and laughed easy. The way Smokey Joe did.

That was two football seasons ago. Smokey Joe had signed a three-year contract. He's entering the third year now. A crucial year. He doesn't seem quite so ruffled as he seemed a couple of years ago. And he doesn't seem to laugh quite so easy.

The roses have wilted. Salem knows it. They've got to be cared for — fast.

Of course, not even the most impatient alumnus expects to see the Gophers in the Rose Bowl this year.

Michigan fans already have booked up all the hotel rooms in Pasadena. But the Gophers, who began practice in earnest on August 23, better be headed for some bowl — any bowl — or the pressure to replace Salem will get heavy. Very heavy.

"So far," said Salem, "the general public has been very patient. People haven't been hollering for our scalp. . . . But you always think about it [the insecurity of the profession]. I think you start to think about that a lot more when you reach age 40. And that was three years ago."

Although he never admitted it, Salem had to be impressed with the buildup that accompanied his return to Minnesota. After all, no one had paid him all that much attention on his first trip to the Minnesota campus. Back-up quarterbacks aren't exactly big news. And certainly, a coach doesn't suffer from overexposure at places such as the University of South Dakota and Northern Arizona.

Surely, then, Salem had to believe — if only in his wildest dreams — that he could give Minnesota fans what they wanted. A winner. A big winner. There were the billboards. And the roses. And all the alumni were just so darned nice and happy.

So far, he hasn't delivered. And the program is stuck in the same rut it was in the final Warmath seasons and throughout the Stoll years. The rut is called apathy and apathy means empty seats and empty seats mean, ultimately, a new coach, for the football program must be the bankroll of the athletic program. Every \$10 ticket not sold is \$10 the athletic department has to scrape up elsewhere. Or do without. There are thousands of tickets still available for the 1981 season. It's a crucial year for Smokey Joe.

Even his friend, ally and boss, Gopher Athletic Director Paul Giel, admits it.

"I feel this way and I've expressed these thoughts privately to Joe," said Giel. "I've said that unless we run into a complete disaster this year, something like a 2-9, I'll do everything I can to get Joe into the dome. Now, how far we can get him into the dome is something else again. If it's a 6-5 season or a 5-6 season, we're probably talking about a one-year extension. If it's 7-4 or something better, then that could be the ammunition to get him two or three years into the dome."

The realities: The billboards have come down; the town is not turned on.

And Salem, more than ever, understands how difficult his job is.

"We're in a Viking town and I can't control that," Salem said. "Look at the Miami [exhibition] game. There were 45,000 people there."

He shook his head in wonderment. 45,000 people paying big money to watch a practice game.

"It's a pro town," Salem continued. "There's all the hoopla around the pro game. They [the Vikings] get billions of dollars of publicity a year from television, radio, the newspapers. I can't con-

Minnesota Golden Gopher Scores, Attendance 1980

| | | | | |
|-----------|----|-----------------|----|--------|
| Minnesota | 38 | Ohio University | 14 | 35,114 |
| Minnesota | 0 | at Ohio State | 47 | 87,916 |
| Minnesota | 7 | USC | 24 | 55,115 |
| Minnesota | 49 | at Northwestern | 21 | 17,747 |
| Minnesota | 7 | at Purdue | 21 | 69,399 |
| Minnesota | 14 | Michigan | 37 | 56,297 |
| Minnesota | 24 | Iowa | 6 | 58,158 |
| Minnesota | 21 | at Illinois | 18 | 51,202 |
| Minnesota | 31 | Indiana | 7 | 30,092 |
| Minnesota | 12 | Michigan State | 30 | 30,329 |
| Minnesota | 7 | at Wisconsin | 25 | 54,229 |



Brent Salem, son of Joe Salem, shows Mike Stensrud, a junior defensive back from Apple Valley, the art of stepping in front of an intended receiver during press day at Memorial Stadium.

trol that. I just can't go out and tell those 45,000 people to come to our games.

"Look, you go down to Mankato. The people are hanging on the fences just to get a look at the Vikings. We could lock the gates on our practice field and nobody would know the difference."

It's Salem's job to make people notice the Gophers. And time is running out.

The Gophers' 1981 schedule makes the entire process even more difficult, for the schedule can be described in a word: Soft. Giel calls 2-9 a disaster season. Alumni likely will view anything less than a 6-5 season a disaster.

Early victories will not be appreciated, they will be expected. But, with the exceptions of Ohio University, Oregon State and Northwestern, there are no guarantees that the Gophers will have more talent than any other team they face this season. Certainly, they will have less talent than Michigan and Ohio State. That means Salem's future hinges on games with Purdue, Illinois, Indiana, Iowa, Michigan State and Wisconsin.

"You hope by the time you get to your third year in a program you can compete pretty even with people," said Salem. "I think we're in the ballpark. We're in the game 50-50 and that's all you can ask for."

But a 50-50 chance isn't the stuff of billboards. A clean program isn't so pleasing to the fans as a Rose Bowl. A pleasant disposition isn't so important as sellouts. This has the potential to be a thorny year for Smokey Joe. He knows it. And his defenses already are being constructed.

For example, without prompting, Salem spoke defensively about the most sensitive area of his program: The starting quarterback, Tim Salem.

"Unless you've played quarter-

ST. PAUL PIONEER PRESS

back," said Smokey Joe, "people don't know how tough it is. He didn't play great last year but he did things that I wasn't able to do until I was a junior. He didn't play great but he didn't do bad. But the fact that he was my kid magnified things."

The magnification will increase this year — but on Smokey Joe more than Tim. Smokey Joe is the coach of a team playing a soft schedule in a pro town. He's the father of the quarterback. He's the man on the third year of a three-year contract.

And the bloom is off the rose.

Doug Grow is a columnist for the Minneapolis Star. This column is reprinted with permission. All rights reserved.

Interim Director Is Named

Kate Mathison has been named interim director of women's intercollegiate athletics at the University of Minnesota.

Vivian Barfield, who had been director, said she would step down from the post in September 1982.

Mathison has been assistant director.

Barfield announced her decision to leave the position she has held for the past five years at a meeting with her staff this summer. She also announced that she would be taking a year's leave of absence which began September 1.

"I really want to pursue other interests, and by allowing me to take the year's leave of absence, the University has given me the opportunity to do that for the first time in my life."

Barfield said she plans to stay in

the Twin Cities area and is currently considering several opportunities, including private business.

"When I came to the department of women's intercollegiate athletics, it needed someone outside the department to be its change agent to produce growth," she said in a statement to her staff. "I accepted that challenge. Now, it is time for new leadership, new management."

During Barfield's years as athletic director, women's athletics on the Twin Cities campus underwent rapid growth. University women's teams now compete nationally in 10 sports, the budget for women's sports has increased substantially, a new softball field was completed, and, in competition, the department has become the top-ranking women's athletic department in the country.

Barfield reorganized the department, drafting a five-year plan and setting up a successful fund-raising structure. "Women athletes at the University are no longer required to purchase their uniforms or pay their travel expenses. Our coaches are no longer required to drive vehicles to Missouri in order for teams to participate."

According to Nils Hasselmo, vice president for administration and planning, Barfield transformed the department from an "embryonic program to a full-fledged athletic department that has excellent prospects for future success."

A native of Texas, Barfield holds degrees in health, education and physical education from the University of Houston and the University of New Mexico. Before taking the Minnesota job, she was assistant athletic director at the University of Massachusetts, Amherst, and director of summer sessions and physical education coordinator at Colorado Women's College in Denver.

Swimmer Earns Seven Gold Medals

Marcia Bevard, a sophomore at the University of Minnesota, Duluth, won seven gold medals and set a world's record in a swimming event at the Stoke-Mandeville International Wheelchair Olympic Games this summer in Stoke-Mandeville, England.

"This is the best I've done so far," Bevard said. "My times in every event were my personal best."

Bevard set a new world's record in the 100-meter backstroke event, beating the old time by nearly seven seconds. She did it in 1:33.76.

She also captured first place gold in the 200-, 400-, 800- and 1500-meter track events. In addition, she was awarded gold medals as part of the triumphant U.S. relay team which placed first in the 100- and 200-meter relay events.

Bevard also brought home a silver medal for finishing second in the pentathlon; and a bronze medal for third place in the front free-style swimming meet.

More than 800 people from 41 countries participated in the week-long games. The 24-member U.S. team brought home 93 medals: 48 gold, 28 silver, and 17 bronze.

"That's compared to the Great Britain team that had 90-plus athletes and won only 113 medals."

Bevard, a native of Kingman, Kan., is majoring in interdisciplinary studies at UMD in therapeutic physical education.

In addition to her new international accomplishments, Bevard also already holds U.S. records in the 100-yard front free-style swimming event, the 100-yard backstroke, and was named the fifth fastest female in an 800-meter wheelchair track event at last year's national games.

MINNESOTA ALUMNI ASSOCIATION

Sculpture Dedication, Homecoming Set

Dedication of the Stewart O. Luckman sculpture, commissioned by the Minnesota Alumni Association, and a pregame Homecoming brunch are two of your association's big Homecoming events during the week of October 10.

Luckman, a 1973 graduate, was commissioned in 1979 to build an outdoor sculpture that will be erected in the grassy triangle near Williamson Hall.

The dedication will be at 4:30 p.m. Friday, October 9 at the site. The work will commemorate the MAA's 75th anniversary.

Following the dedication, a reception for "Process: A Public Sculpture by Stewart Luckman" will be from 5 to 7 p.m. at the University Gallery, fourth floor of Northrop Memorial Auditorium. Wine and cheese will be served.

The model was unveiled during a ceremony at the site Oct. 27, 1979, following the Homecoming game.

The '81 Homecoming pregame brunch will be from 11 a.m. to 12:30 p.m. in the Architecture Court, 89 Church Street SE.

The Band Alumni will perform, along with the Minnesota cheerleaders, and a danceline. Cost is \$5 a person.

This year's Homecoming will include a schedule of week-long events featuring a cross-country run, a scavenger hunt, a cow-milking contest, and obstacle course, and a hayride.

Here is the schedule:

Friday, October 2:

Royalty orientation for all participants interested in entering the competition.

Sunday, October 4:

Homecoming classic will feature a cross-country run Sunday morning.

Monday, October 5:

12 to 1 p.m. pep fest will begin in front of Coffman Memorial Union.

Refreshments will be served. The University's band, danceline, and cheerleaders will help set the spirit of Homecoming.

11 a.m. to 2 p.m. a royalty button-selling and poster-making contest will be featured. Detailed calendars of events will be distributed at this time.

8 p.m. Jazz concert (to be announced).



Minnesota Alumni Association
100 Morrill Hall
100 Church Street SE
Minneapolis, MN 55455

Deadline for reservations: October 4

Please reserve _____ places at \$5 each for the Homecoming Pregame Lunch, Saturday, October 10, 1981, 11 a.m. to 12:30 p.m.

Name _____

Address _____

City _____ State _____ Zip _____

Phone Number _____

College and Year of Graduation _____

Make checks payable to: Homecoming Pregame Luncheon

Thanks! We'll see you there!



Per Kvalsten, Linda Cooper and Goldy the Gopher took time out from their Homecoming preparations to pose in the end zone at Memorial Stadium. Kvalsten and Cooper are co-chairmen for Homecoming '81.

Tuesday, October 16:

11 a.m. to 2 p.m. a royalty football throw and word-game contest will be held.

2 to 6 p.m. St. Paul faculty tea.

Wednesday, October 7:

Royalty scavenger hunt.

Thursday, October 8:

Royalty enthusiasm interview and luncheon; 10:30 a.m. to 2 p.m., royalty obstacle course competition on the Mall. 12 to 1 p.m. royalty cheer contest on the St. Paul campus.

8 p.m. Jazz concert (to be announced).

Friday, October 9:

A royalty cow-milking and obstacle course; pep fest; hayride from St. Paul to Minneapolis campus for the St. Paul campus students; and at 8 p.m. a parade and bonfire. The parade will feature 150 entries that will proceed along University Avenue to Williams Arena. Immediately following the parade will be the traditional bonfire, held this year in the parking lot across from the Improper Fraction. A band will play rock-n-roll music from 9:45 to 11:45 p.m. Following will be a fireworks

display at midnight. The presentation of royalty contest winners will be announced.

Saturday, October 10:

11 a.m. MAA pregame brunch at Architecture Court.

1 p.m. 1981 Homecoming football game with the Minnesota Gophers versus the Northwestern Wildcats at Memorial Stadium.

8 p.m. Coffman Homecoming dance. Greek Homecoming dance.

Sunday, October 11:

9 a.m. to 3 p.m. Homecoming wheel race. A bike marathon in conjunction with Homecoming will be held on the St. Paul campus.

Monday, October 11:

7 p.m. awards ceremony.

9 p.m. Homecoming party at Sam's, 29 North 7th Street.

Per Kvalsten and Linda Cooper are heading this year's Homecoming committee.

Other student participants include Steve Fischer and Margaret Ridley, Interfraternity Council; Rich Slagle, judging; Ann Overbye and Sue Pribyl, entry development; Mark Workman and Virginia Farell, parade; Chris Lindgren, bonfire; Cathy Klima, secretary; Steve Heinen, treasurer; Lori Andrews and Tony Lee, publicity; Debbie Durkee, Coffman Memorial Union; Tim Hawley and Teresa Wuebker, royalty; Mark Carlstrom and Laurie Blessum, T-shirts and buttons; Patty Curtin, St. Paul campus coordinator.

The advisers are Linda Hartley, director of the MAA student program; and Conrad Jones of Coffman Memorial Union.

The first Homecoming at Minnesota was Nov. 14, 1914. Minnesota beat Wisconsin 14 to 3. The second year Minnesota whipped Chicago 20 to 7 on Nov. 13, 1915. Then, when the United States got involved in World War I, there were no Homecoming celebrations. They didn't resume until 1919.

CHUCK BENDA

Want to Help Recruit?

Joe Salem needs you! Alumni who would like to help recruit athletes are being sought by Joe Salem, head football coach at the University of Minnesota.

"Even though all of the coaches devote time throughout the year identifying and communicating with prospects," Salem said, "we still need additional volunteers."

Salem said he would like to develop a network of alumni and friends of Minnesota football who will support the program, identify prospective players, help them get summer jobs, and go along with coaches on visits.

If you are interested in helping, please contact Fred Konrath, recruiting coordinator, Bierman Building, 516 15th Avenue SE, Minneapolis, Minn. 55455, or telephone (612) 373-4206.

The coach would like that.

Don't Forget Football Parties

There are a couple of football parties some of you won't want to miss.

Alumni in Sioux City, Des Moines, Cedar Rapids, Davenport, and all places in between, are asked to stop by the alumni headquarters in Iowa City for the Minnesota-University of Iowa game.

The event will be at the Carousel Inn at 10 a.m. and will feature football coaches, cheerleaders, and alumni band.

Ten dollars a person will help cover the costs of the entertainment, door prizes, and brunch.

And for those alumni living in Michigan, plan to attend the pre-

game party at the Kellogg Center, Michigan State University, East Lansing, Saturday, November 14.

The social hour will begin at 11 a.m. followed with a brunch at 11:30 a.m. The cost is \$9 each and will include the buffet, entertainment, and door prizes.

Reservations for either the Iowa or Michigan event may be made through the Minnesota Alumni Association, 100 Morrill Hall, 100 Church Street SE, Minneapolis, Minn. 55455.

Two Past Presidents Die

Oscar R. Knutson of Minneapolis and Waldo E. Hardell of Sun City, Ariz., both past presidents of the Minnesota Alumni Association, have died.

Knutson, former chief justice of the Minnesota Supreme Court, died June 15, 1981, in Minneapolis. He was 81.

Hardell, who helped found the Sun City Alumni Chapter, died Aug. 9, 1981, at Sun City. He was 78.

Hardell, a 1923 graduate in business administration, served as MAA president from 1966 to 1967. He received the Alumni Service Award in 1969.

He was chairman of the board of the Charles W. Sexton Co., Minneapolis, and retired in 1972.

"He was a very hard worker, a serious executive, and a highly organized person," Ed Haislet, former executive director of the MAA, said. "He wanted to see results in the organization."

Knutson was president of the MAA from 1971 to 1972. He received a bachelor of laws degree from the University in 1927 and in 1963 was awarded the Outstanding Service Award.

Knutson was appointed to the state Supreme Court in 1948 and served as chief justice from 1964 until his retirement in March 1973.

"Oscar loved the University," Haislet, who worked with 26 association presidents, said. "He also had a dry sense of humor."

"Both will be missed by their family, their friends, the alumni office, and the University."

Margarita Island Trip March 20-27, 1982

Alumni travelers won't want to miss the Margarita Island (off the coast of Venezuela) trip March 20 to 27, 1982.

Travel agents say that in the warm blue Caribbean Margarita Island is just now being discovered. It has unspoiled beaches, lush green mountains, quaint fishing villages, and a new resort hotel.

Cost of the trip (from New York City) is \$800 a person.

Please write to the MAA for more information.

Dance Reception October 16

Members of the Minnesota Alumni Association may attend a performance and reception following the American Ballet Theatre presentation October 16 at Northrop Memorial Auditorium.

Following the 8 p.m. performance, a light buffet dinner will be served at Nolte Center. Dancers will be present.

Seating is limited to 200 persons. Tickets are \$24.50 each, which includes an \$18.50 performance admission and the dinner.

COLLEGES AND SCHOOLS by Steve Baker

COLLEGE OF LIBERAL ARTS

MacKenzie Named One of World's Greatest Potters

Warren MacKenzie, chairman of the Studio Arts Department at the University of Minnesota, was named one of the world's greatest living potters by the readers of *Ceramics Monthly* magazine.

The magazine's editors surveyed

subscribers, asking: "Who in your opinion are now the world's greatest living potters or ceramic artists?" MacKenzie was one of 12 selected and listed in the magazine's summer 1981 issue.

MacKenzie, who has taught at the University since 1954, calls his work "utilitarian pottery." His dishes, plates, and other useful art pieces have been widely displayed. He said his large number of appearances on the national circuit of lectures and workshops has given him more exposure than many potters.

JOURNALISM

MJC Holds Business Journalism Seminar

The Minnesota Journalism Center will sponsor a seminar for businessmen and journalists at the Radisson Plaza in St. Paul, Minnesota October 30.

As the first in a series of seminars to be offered by the center this year, it will focus on the improvement of business news reporting. Journalists from the upper midwest

GENERAL COLLEGE



A portrait of poet John Berryman, who taught at the University for nearly 20 years, has been chosen to hang in the National Portrait Gallery in Washington, D.C. The portrait was painted in 1973 by Louis Safer, professor of general arts in General College on the Twin Cities campus. The six- by five-foot painting is one of the largest ever accepted by the national gallery, which houses portraits of the country's presidents and other notable figures. The Berryman portrait joins the company of fellow poets Walt Whitman, Henry Wadsworth Longfellow, and Edna St. Vincent Millay.

as well as members of the Twin Cities' business community will be invited to attend, Arnold Ismach, coordinator of the seminar, said.

Ismach, associate professor in the School of Journalism and Mass Communication, said the goal of the seminar is to inform journalists of the problems involved in reporting business news, especially in relation to profits and capital formation.

Mark Willes, executive vice president for finance at General Mills, will deliver the keynote speech at the seminar.

The St. Paul Chamber of Commerce is providing financial support for the seminar.

EDUCATION

Hansen, Gennaro Given Teaching Awards

Professors Harlan Hansen and Gene Gennaro, of the College of Education's Department of Curriculum and Instruction, were chosen by their colleagues to receive Distinguished Teaching Awards in June.

These awards, offered this year for the first time, are intended to recognize excellence in teaching and symbolize the faculty's commitment to teaching as a major goal.

Education Co-sponsor of Outreach '81

Several hundred educators, alumni, and other guests attended one or more of the four events of Summer Outreach '81, co-sponsored by the College of Education and Summer Session.

The events were designed to provide a professional and community

service to teachers and the public.

The four events were the Naomi Chase Guest Lecture by Arnold Lobe, illustrator and author of children's literature; a forum on the thrust toward national teachers' examinations; a workshop on computer uses in formal education; and a sports and fitness demonstration by the Children's Folk Sport Group of Taiwan.

The Taiwanese demonstration, held in Williams Arena August 14, will be the subject of a 30-minute program on KSTP-TV in October.

Graduate Students Win Eckert Scholarships

Ellen R. Benjamin and Janet Rosenberg, graduate students in the College of Education, are the recipients of the 1981-82 Ruth Eckert scholarships.

The scholarship fund was established in honor of Ruth Eckert, nationally known scholar and University of Minnesota Regents professor emeritus.

The \$1,000 scholarships are granted each year to outstanding women graduate students in the college who demonstrate promise of making a substantial contribution to their chosen field.

Benjamin, majoring in educational psychology in the Department of Social, Psychological and Philosophical Foundations of Education, is a research associate for Honeywell Inc., and is conducting research on stress management.

Rosenberg is majoring in curriculum systems through the Department of Curriculum and Instruction and is teaching a communications course through the Department of Continuing Education and Extension. She has also taught at the University of Minnesota's English Language Institute at the Jilin Universi-

ty of Technology, Changchun, People's Republic of China.

BAND ALUMNI

Band Performs at State Fair

For the first time, the Alumni Band performed at the Minnesota State Fair August 31.

The band marched in an afternoon parade and held a concert that evening.

The group also performed August 27 at the Lake Harriet band shell, as a return to the site of last year's summer concert.

INDUSTRIAL RELATIONS

Institute Explores Management and Change

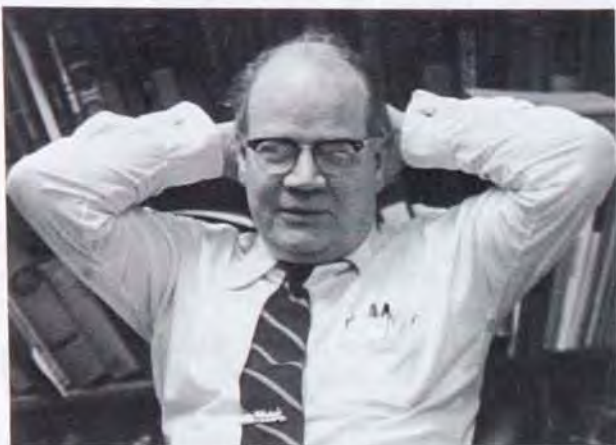
Work and the Worker: Managing Change/Changing Management" is the theme of Industrial Relations' third annual Alumni Institute November 12 and 13.

Taking place at the Holiday Inn Central in Minneapolis, the Institute will include several speakers and representatives from business and labor.

William Kornegay, director of Quality of Work Life at General Motors, and Maurice Treadwell, United Auto Workers (UAW) representative, will open the general session with a discussion of how GM and the UAW work together in the Quality of Work Life programs.

The keynote luncheon speaker on November 13 will be Alfred S. Warren, Jr., corporate vice president of Industrial Relations at GM.

For further information, call Donna D'Andrea (612) 373-3826.



Bryce L. Crawford, Jr., Professor of Chemistry

INSTITUTE OF TECHNOLOGY

Crawford Wins Priestley Medal

Bryce L. Crawford Jr., chemistry professor at the University of Minnesota, has won the 1982 Priestley Medal — the American Chemical Society's prestigious award. He will receive his award next spring at the ACS national meeting in Las Vegas.

The Priestley Medal, created to commemorate the work of Joseph Priestley, is given in recognition for "distinguished services to chemistry." Crawford has earned the honor through his accomplishments as a scientist, teacher, editor, and member of the ACS.

One colleague said of Crawford: "As a scientist, he is highly regarded. As a statesman for chemistry, he is renowned."

Crawford came to the University of Minnesota in 1940 as an assistant professor of physical chemistry and became a full professor in 1946. He was chairman of the chemistry department from 1955 to 1960 and was dean of the Graduate School from 1960 to 1972. He has returned to full-time teaching and research.

Distinguished Graduates Receive Honors

Two graduates of the Institute of Technology will receive Outstanding Achievement Awards from the University of Minnesota Board of Regents at the Annual Science and Technology Day dinner November 6.

Richard D. Mollison, president of Texasgulf Inc., in Stamford, Conn., and Earl E. Bakken, chairman and co-founder of Medtronic Inc., in Minneapolis, are being recognized for attaining distinction and honor in their fields.

Both will receive their award November 6 at the Radisson South Hotel in Minneapolis.

Fenton, Tirrell Receive Alumni Awards

Two Institute of Technology faculty members were recently awarded 1981 George Taylor/IT Alumni Society Awards.

Matthew V. Tirrell, assistant professor of chemical engineering, received an award for research. Stuart W. Fenton, professor of chemistry, won a teaching award.

Tirrell has developed a research program in polymer chemistry during the last three years, while at the same time taking on the responsibilities of director of graduate studies. He recently won the Henry and Camille Dreyfus Award for an outstanding teacher and scholar in chemical engineering.

Fenton has been an instructor of undergraduate courses in organic chemistry and is known for his successful teaching methods. He served on the senate committee on education and has been active in the American Chemical Society committee on chemical education.

MANAGEMENT

MBA Students Get Lesson in Communication

'You really can't separate style and content. The two should be part of a conscious and planned process."

Candace Kumerfield is a writing and literature teacher, but the subjects she covers, as coordinator of the School of Management's MBA Communication Workshop, are more related to *The Wall Street Journal* than *The National Poetry Review*.

"We try to help students make the transition from literary writing to writing business reports and summaries," Kumerfield said.

Running seminars on business writing is only a part of what the Communication Workshop has done for MBA candidates since it started in January. This new program has been integrated into several finance, management, and marketing courses at the graduate level to develop students' verbal and written skills.

Results of a recent survey of cur-

rent students and alumni of the School of Management showed they did not think they were prepared for the communication demands of the business world. The school responded to this and similar complaints coming directly from the business sector by instituting the Communication Workshop, directed by Kemerfield.

"We believe communication should be an integral part of all courses at the school, so we have not set up a separate department," she said. Instead, Kumerfield individually coaches students through videotaping sessions on oral presentations and non-credit workshops from memo writing to non-verbal communication. This fall MBA students began a four-week introductory workshop.

"Many companies are currently spending thousands of dollars to bring in consultants who teach basic communication methods to employees," said Kumerfield. "We think we can eliminate the need for that."

HOME ECONOMICS

DeLong Studies Our Responses to Clothing

One of the things I have begun to see through my research is that most of us avoid looking at images we don't like, so we develop tunnel vision."

Marilyn DeLong, associate professor in the College of Home Economics, is studying people's visual perceptions of the styles, colors, and textures of clothing.

"My graduate students and I are trying to objectively identify how the whole costumed body affects a total image. If we look at the clothed body holistically, we begin

to see the influence of clothes on the entire shape of the body," she said.

Some findings of DeLong and her students were published in the August issue of *Perceptual Motor Skills* 1981. In this study two groups of observers of different ages and occupations responded to a series of word-pairs representing their thinking about photographs of fashion outfits.

"We are trying to measure the subtle differences in responses," said DeLong. "And we have found that some observer variables, such as age, make a big difference in people's judgments, while male-female differences may not."

Since 1968, when she was a doctorate candidate at Iowa State University, DeLong has been interested in our visual perceptions of clothing. She believes her studies have improved her approach to teaching.

"Once I can get students away from the tunnel vision of 'I like this' or 'I don't like that,'" DeLong said, "they begin to appreciate exciting new shapes, textures and colors.

"I believe that by going from the subjective to the objective we can all become much better consumers, or even designers, of clothing."

AGRICULTURE

All About Food

Does the government allow unsafe food to be in the marketplace? Do we have a choice in the quality of the food we eat. What are some of the regulations concerning quality and quantity of food? And what about filth in food?

These and other questions will be responded to by Dr. Theodore P. Labuza, professor of the Department of Food Science and Nutrition, at the Agriculture Alumni Society's quarterly luncheon Octo-

ber 19 at the Earle Brown Center, St. Paul.

Labuza's topic is "Regulation and Safety of Our Food Supply." The luncheon will be in the Shingle Creek Room.

VETERINARY MEDICINE

First Graduating Class Reunites

Members of the first graduating class from the College of Veterinary Medicine came from as far away as New York to attend a reunion in Stillwater, Minn. August 1.

Of 23 who graduated in 1951, 17 attended their 30-year reunion.

Glen Nelson, '51 graduate and coordinator of college affairs, said the group enjoyed a day of boating on the St. Croix river near Stillwater. Robert Dunlop, dean of the college, was special guest at the reunion.

On the following day, Nelson toured the class of '51 around the Twin Cities' campus.

NURSING

A Bit of Powell Hall Remains

Powell Hall, the former residence of the School of Nursing, was razed in mid-September, but not all of it was lost to history.

Unit F, the new home of the School of Nursing, contains a few remnants of Powell Hall — a plaque and a fireplace mantle. The plaque was set at the dedication of Powell Hall in 1932; the fireplace mantle is part of the original construction.

More than seven coats of paint were stripped off the wood of the mantel before it and the plaque

were temporarily stored in the reception area of the dean's office of Unit F, Paul Sodergren, administrative director, said. He also noted that some of the marble from Powell would be used to make mementos for the upcoming 75th anniversary celebration of the School of Nursing.

The cupola of Powell Hall also was saved by the University.

MEDICAL

Bloomfield Wins National Board Award

Clara Bloomfield, professor of medicine, was given the National Board award by the Medical College of Pennsylvania at its recent annual meeting.

Each year, for the last 18 years, this award has been given to women physicians who have made contributions to medicine. Bloomfield was chosen from a group of nominees from across the country for her clinical research on leukemia and lymphoma.

Bloomfield was nominated by N. L. Gault Jr., dean of the Medical School.

BIOLOGICAL SCIENCES

Honors Program Altered

The honors program at the College of Biological Sciences is receiving a face-lift of sorts in an effort to attract more top-flight students and recognize their special abilities.

Associate professor of biochemistry John Anderson explained the two-fold strategy for improving the honors program this fall:

"First, we would like to improve the visibility of the program to let prospective students know that we offer a 'total package' program, that there is more to it than simply graduating with honors.

"Second we want to stress the advantages of the program."

Anderson is trying to improve the visibility of the program by designing a brochure to be used for prospective students this fall.

Working toward the second goal is more difficult. As an upper divisional unit, the College of Biological Sciences enrolls only juniors and seniors. In the past, this has been a disadvantage in trying to attract outstanding high school graduates into the program, Anderson said. "We want students to work up to their level of ability and preparation as soon as they enter the University."

Because students transfer as juniors into the College of Biological Sciences from colleges within the University or a community college, they do not actually enter the honors program until junior year. Nevertheless, any freshman or sophomore in the honors program of the College of Liberal Arts who declares a strong interest in biology will be assigned an adviser from the faculty of the College of Biological Sciences.

"We don't want to limit the honors opportunities for motivated, eager and talented students at any level."

The "guts" of the honors program, says Anderson, is faculty-student research. "The best we can offer is the opportunity to do the things that we as faculty do — actively participate in research."

Victor A. Bloomfield, head of the biochemistry department, estimates that "at least half of the faculty in the College of Biological Sciences use undergraduates in research." This experience for the undergraduates not only gives them knowledge

of advanced research techniques, but also provides them with practical credentials for later use in applying to graduate or professional schools.

In addition to at least two quarters of participation in directed research, an honors student also joins with classmates for honors seminars. Anderson, who is teaching the fall seminar, said these classes are designed to generate discussion about contemporary issues of concern to biochemists. In the spring, seniors report on their research projects during seminar hours.

DENTISTRY

Fund Drive Launched for Dentistry Clinic

Pivate funds are being sought to help finance a new hospital dentistry clinic to be housed in the outpatient medical building of the University of Minnesota Hospitals.

This clinic is designed to include eight treatment rooms, one examination room, and equipment to provide treatment for patients. It also will enable graduate and undergraduate dental students to work on educational projects.

The School of Dentistry has set a goal of \$400,000 to construct the new clinic.

Currently, a two-operatory clinic is located in the old wing of the hospital. According to Mellor R. Holland, associate dean of administration and student affairs, the existing clinic is "totally inadequate" in serving the needs of patients and the school. He noted that the present clinic has not expanded for 50 years.

Robert Eggleston, senior development officer at the School of Dentistry, will be in charge of the fund drive.

MEDICAL TECHNOLOGY

Damron Retires

Sister Mary Damron has retired after 20 years of teaching and clinical work in medical technology at the University of Minnesota.

Well, sort of.

"I still wasn't ready to retire," said Damron, who officially retired this year but has continued part-time work at the University Hospitals as well as some teaching at statewide workshops.

She never has been a quitter.

After graduating from the University of Minnesota in 1934 with a bachelor's in medical technology, she worked a few years in the eastern United States before moving to Trinidad in the West Indies. There she worked with Civil Service Engineers to build a lab. She met her husband there and then moved back to Minnesota.

In 1943, Damron started a new life as housewife and mother because, as she said, "It was the thing to do back then." For 18 years, she gave up her career in medical technology.

"I never really thought I would go back to work. Until one day, the kids were grown up and something led or inspired me to come back."

After taking a refresher course at the university in 1961, she stayed on to work in the hospital.

Twenty years later she has taught more than 1,000 students, according to the estimates of her colleagues. And she has lost no enthusiasm.

"Every year I have seen the students bring dedication and brightness to their work. That contact with students is what I will miss most."

This spring she was given a retirement dinner by her friends from the medical technology school.

PHARMACY

Dedication of Unit F Oct. 9

The long awaited move of the College of Pharmacy and the School of Nursing into Unit F of the Health Sciences Center will officially be recognized at a dedication ceremony October 9.

"It's a beautiful building," Lawrence Weaver, dean of the College of Pharmacy said. "It will serve our program well."

Weaver has been dean at the college 15 years, and for 15 years he has been lobbying for the new building. "My first assignment as dean involved planning a place for pharmacy in the Health Sciences Center."

Unit F provides excellent research space, while creating a more unified health science program, according to Weaver. He said Appleby Hall no longer could adequately serve the college's programs, necessitating the move.

A symposium, "Health Care 2000," will coincide with the dedication ceremony. Former governor and former chairman of the Board of

Regents Elmer L. Andersen will be the guest speaker.

New Doctorate Program Under Way

A new doctorate program, which emphasizes a clinical approach to pharmacy, opened to students this fall.

According to Dean Lawrence Weaver, the six-year program will provide students with increased skills in professional interaction with patients. "It is a much more patient-oriented program than we have had before," he said. "Pharmacists graduating from this program should be better prepared to deal with patients concerning the therapeutic use of drugs."

Growing out of an experimental curriculum arrangement introduced in 1967, the new program is an option for all students entering the College of Pharmacy. To receive the degree, students must complete two years of prepharmacy education and four years of professional training.



Lawrence Weaver, Dean of the College of Pharmacy

CALENDAR

compiled by Maria Ellard

Alumni Chapters

Brown-Nicollet Counties Alumni Chapter October 8

Lunch with Ellen Mosher, women's basketball coach, during Homecoming week. Kick-off the fall festivities at 12:15 p.m. in the New Ulm Holiday Inn. Area students attending the University and prospective students will join us. For further information contact Timothy Olcott, 354-2161.

North Texas Alumni Chapter October 10

Homecoming will be celebrated in Dallas with an afternoon party at Dick Miner's home. Food, liquid refreshments, swimming, and football films are promised for the afternoon. Everything starts at 1:30 p.m. and the cost is \$7.

Houston Alumni Chapter October 10

Kickoff the alumni year in Houston with a Homecoming party. All the activities start at 5 p.m. in the Riveroaks Center, Houston Parks and Recreation, 3600 Locke Lane. Eight dollars will give you a bar-b-que, refreshments, and athletic highlight films. Additional information will be mailed.

Rochester Alumni Chapter October 10

The third annual Homecoming trip will start early Saturday with a full day of activities. Join the group taking the bus to the Twin Cities. The chapter will attend the alumni pregame brunch, which will offer bands, cheerleaders, coaches, and lunch. Game tickets are available. Additional information will be mailed.

Wright County Alumni Chapter October 15

Dr. Frank Beneciscutto, director of concert bands and jazz ensembles, will tell alumni about his trip to the People's Republic of China at the annual

meeting dinner. Activities will start at 6:30 p.m. at the Buffalo Heights Golf Course. Additional information will be mailed.

Northern California Alumni Chapter October 16

No matter when you attended the "U," the young-at-heart are invited to the annual young alumni cocktail party at Carlos Goldstein's from 5:30 to 9 p.m. Two dollars in advance or \$3 at the door guarantees an opportunity to meet at least 100 other alumni. Additional information will be mailed.

Dayton Alumni Chapter October 17

Attending the Minnesota vs. Indiana football game is planned for Dayton area alumni. The group will car pool and will be driving to Bloomington, Inc., to represent the maroon and gold. For further information contact chapter president Dick Smith, (513) 434-1750.

New York Alumni Chapter October 22

"A Golden Memory Event" is the Minnesota theme for the annual Big Ten council cocktail reception and pep rally. Join alumni at the Rainbow Room atop the RCA building from 5:30 to 8 p.m. Watch for further information in the mail or contact chapter president Bob Tiffany, (212) 544-3977.

Sun City Alumni Chapter October 23

The first event for the Sun City season will be a fall patio picnic at Crestview in Sun City West. Get your reservation in early to George Amidon, (602) 933-5527.

Minnesota Football Party in Iowa City October 24

Plan to stop at the official football headquarters for Minnesota alumni at the Carousel Inn. Meet the coaches, see the cheerleaders, listen to the alumni marching band, and enjoy a meal. Activities start at 10 a.m. and cost \$10 a person. For further information contact the Minnesota Alumni Association,

100 Morrill Hall, 100 Church Street SE, Minneapolis, Minn. 55455.

Sun City Alumni Chapter October 27-28

Pack your bags because there is going to be a two-day trip to Lake Havasu City. The buses will leave during the morning on the 27th. For further information contact Georgina McGillivray, (602) 974-5496.

Minnesota Football Party in East Lansing November 14

If you plan to attend the Minnesota vs. Michigan State football game, include the pregame activities in your plans. This is your opportunity to meet the coaches before the game, see the cheerleaders, and enjoy a meal.

North Texas Alumni Chapter November 14

The annual Big Ten dinner and dance has been planned for alumni in the Dallas-Fort Worth area. Mark the date on your calendar and watch for additional information.

Constituent Alumni Societies

AGRICULTURE

Quarterly Luncheon

Dr. Theodore P. Labuza, professor, Department of Food Science and Nutrition "Regulation and Safety of Our Food Supply"

Oct. 19, noon.

Shingle Creek Room

Earle Brown Center

St. Paul campus

Contact: Minnesota Alumni Association (612) 373-2466.

BAND ALUMNI

"Homecoming"

Banquet-Alumni Club-IDS Tower

Oct. 10

Minnesota Football Party in Iowa City

Oct. 24

Contact: Minnesota Alumni Association (612) 373-2466.

BIOLOGICAL SCIENCES

Itasca Family Weekend

Oct. 9-11

Contact: Darlene Joyce, College of Biological Sciences (612) 373-1190.

COLLEGE OF LIBERAL ARTS AND UNIVERSITY COLLEGE

Spectrum '81: China

Featuring former U.S. ambassador Leonard Woodcock

Oct. 24

Contact: Minnesota Alumni Association (612) 373-2466.

DENTISTRY

"Dentistry Day"

Continuing education seminars and alumni annual meeting Mayo Auditorium; Great Hall, Coffman Memorial Union

Nov. 13

Contact: Minnesota Alumni Association (612) 373-2466.

INDUSTRIAL RELATIONS

3rd Annual Institute

"Work and the Worker: Managing Change/Changing Management"

Holiday Inn Central

Nov. 12, 13

Contact: Industrial Relations Center (612) 373-3826.

Institute of Technology

Science and Technology Day

"Technology and Public Policy"

Afternoon seminars, Coffman Memorial Union Theater

1 p.m.

Dr. James R. Johnson, director, Department of Technology & Public Policy, University of Minnesota

"Violence in a Rain-drop"

1:45 p.m.

Dr. John Najarian, chairman of Department of Surgery, University of Minnesota Medical School

"The Impact of Technology on Surgery"

2:45 p.m.

Dr. Myron Tribus, Director, Center of Advanced Engineering Study, Massachusetts Institute of Technology

3:30 p.m.

Dr. Arthur Harkins, associate professor of Education and Sociology, University of Min-

nesota "Cultural Futures"
Evening dinner and address
featuring Minnesota Gov. Al
Quie at the Radisson South
Hotel
Nov. 6
Contact: Minnesota Alumni
Association (612) 373-2466.

PHARMACY
Continuing Education Pro-
gram
Topic: "Foot Care and Foot
Care Products"
Auditorium 2-520, Health Sci-
ences
Oct. 10, 9-11 a.m.
\$5 society members and stu-

dents, \$10 non-members
Evening Cocktail Party
Cocktails and hors d'oeuvres at
Arthur's, 2300 University Ave-
nue NE
Oct. 9, 9 p.m.-1 a.m.
\$8 a person, \$6 for students
Contact: Bruce Benson (612)
373-7997.

ALUMNAE SOCIETY
Annual Meeting
Theme: "Music"
Nov. 14
American Association of Uni-
versity Women-Minneapolis,
2115 Stevens Avenue South
(612) 870-1661.

ATTENTION ALUMNI LIVING IN MICHIGAN...

If you plan to attend the Minnesota - Michigan State football game in East Lansing, join other Minnesotans at alumni headquarters. A great party has been planned before the game. Meet the football coaches and cheerleaders, win doorprizes and eat a hearty brunch before the game.

Saturday, November 14, 1981

Kellogg Center
Michigan State University
East Lansing
Social hour 11 a.m.
Brunch 11:30 a.m.

**\$9 a person for buffet,
entertainment and doorprizes**



Reservations can be made through the Minnesota Alumni Association, 100 Morrill Hall, 100 Church Street SE, Minneapolis, Minnesota 55455.

Alumni in Sioux City, Des Moines, Cedar Rapids, Davenport and all places in between... don't forget to stop by the alumni headquarters on October 24 when you are in Iowa City for Minnesota - Iowa football game. The place is the Carousel Inn, the time is 10 a.m., the people are the football coaches, cheerleaders, alumni band and you! \$10 will pay for entertainment, doorprizes and a hearty brunch. Reservations can be sent to Minnesota Alumni Association, 100 Morrill Hall, 100 Church Street SE, Minneapolis, Minnesota 55455.

Art Exhibitions

UNIVERSITY GALLERY
NORTHROP AUDITORIUM
"New Works from the People's
Republic of China"
Sept. 15-Nov. 1 (gallery 405)
"Process: A Public Sculpture
by Stewart Luckman"
Oct. 1-Nov. 15 (gallery 305-7)
"Abstract U.S.A./1919-1950"
Nov. 23-Dec. 23 (gallery 305-7)

Concerts

SCHOOL OF MUSIC
Oct. 9 — Cellist Lynn Harrell in a master class presented in Scott Hall Auditorium.
Oct. 11 — Minnesota Orchestra's principal flutist Sidney Zeitlin; harpsichordist Jane Harris; and cellist Sidney Atkins will present the flute sonatas of J.S. Bach. The performance will be presented in Scott Hall Auditorium at 8 p.m.
Oct. 12 — Organ recital by faculty member Nancy Lancaster.
Oct. 13 — The Bach Players and House of Hope choir in concert conducted by faculty member Thomas Lancaster.
Oct. 14 — Christoph Wolff, one of the leading Bach scholars, will lecture on the "Problems and New Perspectives in Bach Biography" at Scott Hall Auditorium-Hall.
Oct. 21 — Trumpet recital and lecture by faculty member David Baldwin.
Nov. 1 — Piano recital by faculty member Berhard Weiser.
For more information about these and other School of Music events, call (612) 376-8639.

Dance

NORTHROP DANCE SEASON

Lucinda Childs Dance Company

Oct. 10, 8 p.m.

The Lucinda Childs Dance Company will present DANCE, a music/dance/film collaboration created in the avant-garde tradition.

American Ballet Theatre

Oct. 12-17, 8 p.m., Oct. 17, 2 p.m.

The American Ballet Theatre, under the artistic direction of Mikhail Baryshnikov, will feature dancers in performances of classical and contemporary masterpieces. (A reception for 200 MAA members will follow the October 16th performance. It will be at Nolte Center and the cost, including the performance, is \$24.50 each.)

Paul Taylor Dance Company

Nov. 14, 8 p.m.

The Paul Taylor Dance Company will perform statements on American society.

These events take place at Northrop Auditorium. For more information, call (612) 373-2345.

Theater

"Henry V" by William Shakespeare

Stoll Thrust Theater

Oct. 30, 31, Nov. 5-7, 12-14 at 8 p.m.

Nov. 1, 8, 15 at 3 p.m.

"Luann Hampton Laverty Oberlander"

by Preston Jones

Arena Theater

Nov. 6, 7, 12-14, 19-21 at 8 p.m.

Nov. 8, 15, 22 at 3 p.m.

"Misalliance" by George Bernard Shaw

Whiting Proscenium Theater

Nov. 20, 21, 27, 28, Dec. 3-5 at 8 p.m.

Nov. 22, 29, Dec. 6 at 3 p.m.

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

Men's Sports

Cross-Country

Wisconsin at Minnesota:

Oct. 3, 10:30 a.m.

Gold Country Classic at Minnesota:

Oct. 10, 10:30 a.m.

TFA/USA at Yahara, Wis.:

Oct. 7, 1:30 p.m.

Iowa at Iowa City:

Oct. 24, 10:30 a.m.

5,000 Special at Minnesota:

Oct. 31, 4:30 p.m.

Big Ten Championships at Minnesota:

Nov. 7, 11 a.m.

NCAA Districts at Wisconsin:

Nov. 14, 11 a.m.

NCAA Championships at Kansas:

Nov. 23, 11 a.m.

Football

Illinois at Illinois:

Oct. 3, 1 p.m.

Northwestern at Minnesota:

Oct. 10, 1:30 p.m.

Indiana at Indiana:

Oct. 17, 1:30 p.m.

Iowa at Iowa City:

Oct. 24, 1 p.m.

Michigan at Minnesota:

Oct. 31, 1:30 p.m.

Ohio State at Minnesota:

Nov. 7, 1 p.m.

Michigan State at Michigan:

Nov. 14, 1 p.m.

Wisconsin at Minnesota:

Nov. 21, 1 p.m.

Hockey

U.S. International, TBA

Oct. 23-24

Northwestern at Minnesota:

Oct. 30-31

Wisconsin at Wisconsin:

Nov. 6-7

Denver at Colorado:

Nov. 13-14

North Dakota at Minnesota:

Nov. 20-21

Colorado College at Colorado:

Nov. 27-28

Women's Sports

Cross-Country

Iowa State Invitational at Ames, Iowa:

Oct. 3

Saluki Invitational at Carbondale, Illinois:

Oct. 10

Big Ten Championships at West Lafayette, Indiana:

Oct. 17

Quadrangular at Minnesota:

Oct. 24

TFA/USA Midwest Open at Kenosha, Wisconsin:

Oct. 31

Region 6 Championships at Minnesota:

Nov. 7

AIAW National Championships, TBA:

Nov. 21

TAC National Championships at Los Angeles:

Nov. 28

Field Hockey

Minnesota Invitational at Minnesota:

Oct. 3

Iowa Invitational at Iowa City:

Oct. 9-10

St. Louis University at Iowa City:

Oct. 11

Big Ten at Iowa City:

Oct. 16-17

University of Wisconsin, River Falls, Wis.

Oct. 20

University of Wisconsin, La Crosse at Wisconsin:

Oct. 22

Northwestern University Classic at Illinois:

Oct. 31-Nov. 1

Regionals at Grinnell, Iowa:

Nov. 6-7

Golf

AIAW Region 6 at Waterloo, Iowa:

Oct. 1-2

Lady Kat Invitational at Lexington, Kentucky:

Oct. 14-16

Lady Tar Heel Invitational at Raleigh, North Carolina:

Oct. 31-Nov. 1

Softball

Minnesota Invitational at Minnesota:

Oct. 3-4

Northwestern Invitational at Evanston, Illinois:

Oct. 10-11

Tennis

University of Missouri at Iowa City:

Oct. 2-3

Marquette University at Minnesota:

Oct. 7

University of Southern Illinois at Edwardsville, Ill.

Oct. 9-10

Invitational at Augustana College, Sioux Falls, S.D.

Oct. 14

QUAD Meet at Minn. (Iowa State, Nebraska, Louisiana, Minnesota)

Oct. 16-17

University of Wisconsin, Eau Claire at Minnesota:

Oct. 20

University of Kentucky at Lexington, Ky.

Oct. 23-24

Oklahoma State Invitational at Stillwater, Okla.

Oct. 30-Nov. 1

Alumni Match at Minnesota:

Nov. 8

Fundraiser at Minnesota:

Nov. 15

Volleyball

Southwest Missouri State at Springfield, Mo.

Oct. 2-3

St. Cloud State at Minnesota:

Oct. 6

University of Iowa at Iowa City:

Oct. 7

University of Texas at Austin, Texas:

Oct. 9-10

Iowa State University at Minnesota:

Oct. 14

Gold Country Classic at Minnesota:

Oct. 17-18

St. Cloud State at St. Cloud, Minnesota:

Oct. 19

Big Ten Tournament at Minnesota:

Oct. 23-23

Drake University at Minnesota:

Oct. 28

University of Nebraska, Lincoln at Minnesota:

Oct. 31

Gopher Invitational at Minnesota:

Nov. 6-7

AIAW Region 6 Championship, TBA:

Nov. 19-21

For further information on these and other sports activities, call (612) 373-5236.

CLASS NOTES

by Maria Ellard

'15 *Dr. Walter H. Haloran* of Jackson, Miss., has celebrated his 93rd birthday.

'25 *Raymond E. Bartholdi* of Minneapolis selects contributions for scholarships and student awards for Distributive Educational Clubs of America. He is active in Toastmasters Club #2019 after 25 years and is a member of the Sales and Marketing Association of Minneapolis.

'26 *Ray W. Carlson* of Racine, Wis., has spent 37 years working for Johnson's Wax, including 20 years as marketing vice president. He is with Open Pantry Food Marts of Wisconsin Inc.

'27 *Christian K. Preus* of Minneapolis has retired from the Minnesota Department of Highways.

'28 *Mildred Lafleur* of North Port, Fla., is looking forward to the celebration of her 52nd wedding celebration October 15th with her husband, Warren.

Rees E. Roston of Los Angeles is semi-retired after 50 years as an insurance broker. He is involved in philanthropic work; the citizens commission for the 1984 Olympics; insurance director for Jewish Federation Council; and is past president of the Seniors Golf Association of Southern California.

'29 *Dr. Cyrus O. Hansen* of Stillwater, Minn., is a semi-retired radiologist formerly associated with North Western Hospital

and the Children's Health Center, Minneapolis. He is an emeritus associate professor of radiology at the University of Minnesota.

'31 *Althea L. Eckburg* of Washington, D.C., has retired from the Medical Society of the District of Columbia where she was executive editor of the *Medical Annals of D.C.*

'33 *Helen E. Hestad* of Omaha, Neb., was chosen "Nurse of the Year" by District Two, Nebraska Nurses Association. In public health service for 40 years, she is director of the Visiting Nurse Association.

'36 *Mary L. Anderson* of Kansas City, Mo., is a parliamentarian for Sigma Phi Gamma, international sorority, and for Clipped Wings, former stewardesses for Trans World Airlines.

'37 *Dean Paul A. Cartwright* of Sun City, Ariz., has retired after 37 years on the University of Minnesota faculty. He spends his winters in Sun City West and the summer on Lake Washburn in Remer, Minn.

'39 *Dr. Alan T. Broderick* of Virginia, Minn., has retired after more than 28 years with the Inland Steel Mining Co. He was vice president of development.

'40 *Walter F. Johnson* of Okemos, Mich., has retired as a professor of higher education in the department of

administration and higher education at Michigan State University. He also is a retired captain, United States Naval Reserve.

'42 *Dr. Ken DeVilliers* of Brainerd, Minn., has retired after practicing dentistry for 35 years in Minneapolis. He was president of the Minnesota Dental Association in 1968-1969. Since his retirement, he has made a study of food marketing, nutrition, and cooking and has published a cookbook called "Shop Cook Eat on a Budget."

'43 *Robert I. Levorsen* of Novato, Calif., works for the Standard Oil Co. of California as an exploration consultant. He races sled dogs in the winter and sails in the summer.

Margery I. Maloney of St. Louis Park, Minn., returned home in May after serving two years in the Peace Corps. She was in Thailand teaching English as a foreign language.

Don R. O'Hare of Rockford, Ill., is vice chairman of the Sundstrand Corporation.

'46 *Richard A. Hoppin* of Iowa City, Iowa, is the chairman of the department of geology at the University of Iowa.

'48 *Dr. F. Anne Dolan* of San Francisco is vice president of student development at the University of San Francisco. She has won the 1981 Award for Outstanding Service of the Jesuit Student Personnel Administrators, an award given yearly to "an individual who has demonstrated exceptional dedication, loyalty

and service in the area of student life in Jesuit higher education."

'49 *Everette H. Dale* of Edina, Minn., is manager-group product assurance, McQuay Perfex Inc., Minneapolis.

Frederick H. Land of Minneapolis is retired but remains active in church affairs, school board, and retirement organizations. He says he is enjoying people and retirement in general.

'50 *Alice T. Barlow* of Champaign, Ill., is recovering after a heart operation and hopes to resume her travels. She is the former travel editor of the *Champaign-Urban News Gazette*.

Emily A. Staples of Plymouth, Minn., received a Bush Foundation Fellowship and plans to spend the 1981-1982 academic year at the John F. Kennedy School of Government at Harvard.

'51 *Betty J. Reed* of Minneapolis has retired from the Minneapolis public schools. She taught first grade for 13 years and directed the Community Resource Volunteer program for 16 years.

Mary V. Schneider of Phoenix, Ariz., retired in 1976 after 24 years as a school nurse in the Creighton School District. She is the social chairman at Phoenix College's Senior Adult Student Association and is treasurer for the Grinnell Natural History Society.

'52 *John C. Rowett* of Yorba Linda, Calif., is director of development at California State Polytechnic University, Pomona.

'54 *Robert C. Daly* of Rochester, Minn., has worked for the Rochester police department for 24 years as a detective in youth services. He uses his morticians license to work part time at Marken Funeral Home in Rochester.

'55 *Charles G. Lusk* of San Diego, Calif., was elected vice president of the California Industrial Education Association.

Dr. Eugene H. Wissler of Austin, Texas, is the Henry Beckman Professor of Chemical Engineering and has been appointed an associate dean in the office of graduate studies.

'56 *Robert A. Fehling* of Fridley, Minn., owns Fehling Insurance Agency, which handles a number of insurance programs.

'59 *William D. Butler* of Palmer, Alaska, is the principal of Palmer High School. He is past president of the Alaska Secondary School Principals Association as well as current president of the Alaska Council of School Administrators.

'60 *Ronald P. Strand* of Prior Lake, Minn., is vice president of sales for the Wilson Learning Corp. He received an "Outstanding Salesman Award" for leading the company in sales.

'62 *Dr. Richard W. Biek* of Wauwatosa, Wis.,

is employed by the city of Milwaukee as the medical director of the Milwaukee blood pressure program.

Col. Garrett E. Hartman of Lockland Air Force Base, San Antonio, Texas, received a master of science in dentistry from the University of Texas. He has been assigned to the prosthodontic teaching staff at the base.

Martin W. Schipporeit of Omaha, Neb., is the district manager of the Potash Corporation of Saskatchewan. He also is president of the Millard Lions Club.

'63 *Cyndy Hilden* of Pendleton, Wash., has been appointed to the governor's commission for women by Gov. Vic Atiyeh. She also is an instructor at Blue Mountain Community College.

Dennis E. Kaliher of Tustin, Calif., is the business director of TeleCommunication products for Rodewell.

'67 *Dr. Annette T. Brandes* of Minneapolis was appointed assistant to the vice president for academic affairs at the University of Minnesota.

Dr. Evelyn P. Hatcher of Minneapolis is a visiting professor at the University of Minnesota and is teaching "The Anthropology of Art."

Doris M. Laatsch of Alexandria, Va., is a teacher in the Fairfax County Public Schools.

Judith Y. Mack of Davis, Calif., is the director of the Community Center at the University of California, Davis.

He Put the 'M' Back in OMB

His admirers have called him even-handed. His detractors, timid. In 42 years of federal service, Elmer Staats, '39, however, has managed to survive the changing political winds and satisfy members of both political parties, serving under Truman, Eisenhower, Kennedy, Johnson, Nixon, Ford, Carter, and, for a short time, Reagan.

Earlier this year, at the age of 66, Staats retired, having served 15 years as head of the General Accounting Office (GAO). On his last official day as comptroller general of the United States, Staats showed his dedication to the job, and his reluctance to let go when he told aides: "I'll probably be in some next week."

Staats received his doctorate in political science from the University of Minnesota in 1939, the year he began work for the federal government. He became deputy director of the budget office under Truman and served in that position until he was appointed head of the GAO under Johnson.

As director, Staats earned a reputation as a low-key, hardworking manager of the auditing and investigative arm of Congress. Under his leadership, the GAO's role

Marguerite P. Scott of Minneapolis has been named coordinator of the Jostens Foundation, which represents Jostens Inc.

Robert S. Shiff of Minneapolis is an operations director for the Metropolitan Transit Corporation.

'68 *Larry M. Blumberg* of Des Moines, Iowa, was elected president-elect of the young lawyers section of the Iowa State Bar Association.

Anita M. Clark of Arlington, Texas, is the youngest woman

to be promoted to national sales director for Mary Kay Cosmetics after leading a sales force in the United States and Canada. She also is a member of the National Speakers Association.

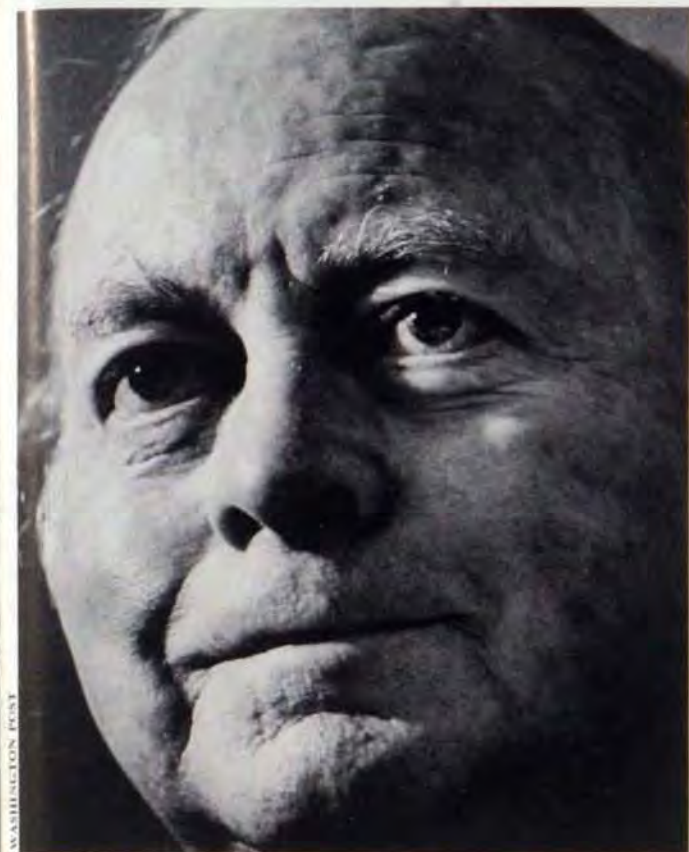
George R. Domstrand of St. Paul is employed by the federal civil service at Fort Snelling as a vocational rehabilitation counselor.

Paul R. Havig of Fullerton, Calif., was appointed executive vice president of marketing operations for J. W. Carroll and Sons Inc., a plastic extrusions company.



He's Run 2,000 Miles

Pi Nian Chang, pediatric psychologist at the University, has run 2,000 miles in less than two years through the Rec Sports Millennium Club. Six years ago, he said, he ran to try to catch a bus. "I caught the bus, and got on, but it was a disaster. I was so out of shape I was sick to my stomach." So he started jogging.



Elmer Staats

changed from one of straight auditing to the more complex role it has today as an evaluator of government programs.

To keep up with this changing role, Staats developed new programs for the GAO, including a fraud hot-line for citizens who wanted to report possible cases of abuse of federal programs, and a training course on statistical sampling and systems analysis.

"We have to put the 'M' back in OMB (Office of Management and Budget)," Staats said, suggesting areas for improvement. He said too little attention has been paid to the business side of government. The result is the loss of billions of dollars a year in delinquent debts owed to the government and in contested disbursements that go unresolved.

Staats made his opinions known before leaving office. When David A. Stockman was appointed head of the OMB, Staats included with his letter of congratulations a suggestion that Stockman establish a deputy for organization and management that would "give this side of the OMB sufficient stature."

Staats' final appearance before Congress showed the esteem accorded him by his colleagues. His testimony before the House Budget Committee was interrupted several times by members of both parties who praised him for his years of fine service.

"You represent what the American people yearn for in a public servant," said Rep. Paul Simon (D-Ill.).

Chuck Benda

Dr. Richard B. Hoppe of Gambier, Ohio, is the chairman of the psychology department at Kenyon College in Gambier.

Wencl T. Kadrlík of Garner, Iowa, is an abstracter of titles and manager of the Hancock County Abstract Co.

Robert J. Knoll of Apple Valley, Minn., is a partner with Deloitte Haskins and Sells, an international public accounting firm.

Dr. William A. Myers of Lancaster, Pa., is in private practice as a clinical psychologist in York, Pa.

'70 *Lawrence L. Bougie* of St. Croix, Minn., is employed by the Minnesota Department of Corrections. He is the director of the minimum security unit at Lino Lakes.

Joseph W. Carpenter of New Brighton, Minn., enrolled in the seminary last January. He was a dairyman.

David F. Weulander of Askov, Minn., is the director of bands at Proctor High School in Proctor, Minn. He also is the director of the jazz 47th Divi-

sion Band, Minnesota Army National Guard, St. Paul.

'71 *Dr. Thomas G. Fellman* of Fargo, N.D., is a dentist.

David O. Johnson of Tucson, Ariz., is the assistant vice president for the Valley National Bank of Arizona. He also is the manager of the marketing and planning department.

Donn L. Waage of Aurora, Colo., is the president of the Colorado Association of Bank Holding Companies in Denver.

'72 *John E. Puffer* of New Orleans, La., was promoted to senior area analyst for Dresser Industries, southeast division.

David H. Schipper of Grand Rapids, Minn., is the forest inventory operations coordinator for the Minnesota Department of Natural Resources.

Thomas L. Schlick of Burnsville, Minn., is the manager of business planning at Rosemount Inc., Minneapolis.

'73 *Dennis L. Alfton* of Minneapolis is the

Shows Reader How

A new health care book has been published and it was written by *Cecelia Golightly*, '77, '78, assistant administrator at Eitel Hospital, Minneapolis. "Creative Problem Solving for Health Care Professionals," takes the reader through actual case studies. She also is author of "Help With Career Planning," a workbook for nurses.



From Rags to (She Hopes) Riches

There are times, Leslie Johnson, '64, Minneapolis, admits when the pressure of producing a monthly tabloid gets to her.

Sitting at the cluttered desk in the basement of her home she sometimes wants to scream: "Why am I doing this? I must be nuts!"

And though her business venture — *The Mississippi Rag* — has not made her rich, it has made her recognized among jazz aficionados in 50 states and 300 countries.

The first issue (she calls it "the voice of traditional jazz and ragtime") appeared November 1973 with ragtime pianist Max Morath on the cover.

Now in the ninth year of publication, she has seen the enterprise grow from being "given away" to more than 2,100 subscribers.

She has seven contributing editors, including William J. Schafer, '64, Berea College, Berea, Ky., who with Johannes Riedel of the University of Minnesota wrote "The Art of Ragtime."

She has 19 correspondents in the United States, and



DICK HAINES

Leslie Johnson with Volume One, Number One of the Mississippi Rag.

assistant to the executive director of the Hubert H. Humphrey Metrodome.

Todd C. Anderson of Easton, Pa., has joined the minerals, pigments and metals division of Pfizer Inc., as senior technical service representative.

Christine M. Sorenson of St. Paul is a market administrator for Northwestern Bell Telephone.

Eric D. Thompson of Minnetonka, Minn., is a sales representative for Wausau Insurance companies.

'74 **Monica Borgersrode** of Minneapolis is assistant director for the Minneapolis senior aide project of the United Way of Minneapolis area.

James E. Holzapfel of Minneapolis became a marketing representative for Honeywell, after seven years in the Navy.

Stephen J. Jarvis of St. Paul is an installment loan officer for the First National Bank of Anoka, Minn.

Harold J. Lees of Minnetonka, Minn., is employed by First Bank System Inc., as the

quantitative research officer in Minneapolis. He also is the current chairman of membership and calling committees for the University of Minnesota Band Alumni Society.

John V. Lawler of Virginia Beach, Va., is a naval supply officer and is based in Norfolk, Va.

John A. McClurg of St. Paul is an assistant trust officer for the American National Bank in St. Paul.

Janice K. Spring of Minneapolis has been named product manager for "Stir 'N Frost"

and "Betty Crocker Angel and Chiffon" cake mixes in the Betty Crocker division of General Mills.

'75 **Timothy P. Brausen** of Minneapolis is a self-employed attorney specializing in real estate and probate law.

Marion P. Downs of Denver, Colo., was awarded an honorary doctor of human services degree by the University of Northern Colorado, Greeley.

Dr. Patricia L. Halloran of



Mapping Her Future

Elizabeth Appelbaum, '58, '59, Prairie Village, Kan., has completed an eight-week cartographers course sponsored by the Department of Defense. The students are trained at the Aerospace Center, St. Louis, which supports manned spacecraft, aircraft simulators, missile guidance systems, and manned space missions.

file in Great Britain, West Germany, and Canada.

In addition there are nine regular reviewers.

"Where did you get the name for the publication?"

"I was listening to a Turk Murphy recording of 'The Many Faces of Ragtime' when my husband, Dennis, asked: 'Hey, what's the name of that tune?' And I replied, 'The Mississippi Rag.' Then I said: 'Holy smokes -- that's perfect.'"

Originally she said the tabloid would cover jazz and ragtime in Chicago, New Orleans, Kansas City, St. Louis, and the Twin Cities. But the area has expanded.

She goes to jazz festivals; corresponds with contributors ("We pay a penny a word and \$3 for photos"); writes some of the copy; and does the keylining (making up pages to take to the printer) along with many other editorial duties.

Leslie said she was born in Minneapolis, was part of the "baby boom," grew up in Bloomington, and went to a three-room schoolhouse at the corner of 86th Street and Cedar.

When she received her degree in journalism from the "U" she turned to free-lance writing and wrote what she called the "true story of the Titanic." She also wrote about Minnesota's famed harness pacer, Dan Patch, and at one time considered doing a book on his life. "He and P. T. Barnum have a lot in common," she said.

Nearly every week Leslie and her husband, a 1965 journalism graduate of the "U," go to the Emporium of

Jazz at Mendota, Minn., where they listen to the Hall Brothers New Orleans Jazz Band.

"I was aware then that we couldn't get current information on the performers, there were a few old books around, and that the newspapers usually didn't carry stories on the musicians."

So she went to Butch Thompson, Twin Cities clarinetist and pianist specializing in Jelly Roll Morton and they cooked up the tabloid. Thompson once worked for the Sun Newspapers.

The editorial office is located at 5644 Morgan Avenue South, Minneapolis, Minn., 55419. (Most of the back copies are available and some have been bound, she said.)

In addition to indepth profiles on mostly living performers, the *Rag* also carries record reviews, club news, and free classified ads for "musicians seeking gigs or new personnel."

She also had a part-time job preparing publications for an industrial psychologist.

She is also a member of the board of the Twin Cities Jazz Society of Minneapolis and St. Paul.

In the first issue she wrote:

"*The Mississippi Rag* was created with genuine affection for people who love traditional jazz. True jazz fans are committed to jazz: They play it, they listen to it, they are faithful to it."

And, it might be added, they want to read about it.

Dick Haines

Bronxville, N.Y., is an orthodontist.

Dr. Dale E. Loeffler of New Brighton, Minn., is a third-year resident in family practice at the University of Minnesota.

'76 Marvin E. Lang of Burnsville, Minn., is the chief nurse anesthetist of the Hennepin County Medical Center in Minneapolis. He also is president of the University of Minnesota Nurse Anesthetists Alumni Society.

James L. Warner of Rose-

ville, Minn., was promoted to supervisor of the solid and hazardous waste division, Minnesota Pollution Control Agency.

'77 Shelley A. Delperdang of Houston, Texas, is the shelter manager of the Houston Humane Society. She also is involved in the development of a humane education program for the society.

Shelley K. Holzemer is a public health nurse for the Wright Co.

Lisa J. Jarvis of St. Paul is a medical technician for United Hospitals.

Marion J. Kennon of Edina, Minn., is assistant director of admissions at Breck School, a coed independent college prep school in Minneapolis. She also is a commissioner for the Metropolitan Sports Facilities Committee.

Kathryn A. Schlick of Burnsville, Minn., is an export assistant in the international division of the Donaldson Co., Minneapolis.

Lynn K. Kositzky of St. Louis Park, Minn., has been promoted to WCCO-FM's business manager, moving from an acting business manager position at WCCO-TV, Minneapolis.

'78 Jennifer A. Green of New York, N.Y., is employed by the Miller Brewing Co. as a merchandising representative.

Linda M. Johnson of Minot, N.D., is a nursing instructor. Martha C. Munoz of Ger-

A Talking Typewriter?

Futurist Arthur M. Harkins, director of future cultural and educational systems at the University of Minnesota, is vice president of Scenario Inc., St. Paul, and is president of Anticipatory Sciences Inc., Minneapolis. He has written five books and among many interests is fascinated with so-called "smart" or intelligent machines.



mantown, Tenn., is a certified paralegal working for the law firm of Martin, Tate, Morrow, and Marston, Memphis.

Douglas C. Stark of Minneapolis is an engineering supervisor for the Northern Natural Gas Co. He is responsible for construction of new gas wells in Colorado and Wyoming as well as pipeline construction projects.

John D. Zschunke of Anoka, Minn., is a music teacher at St. Francis High School as well as a professional musician. He plays with the Don Bates Great Big Band.

'79 *Kathleen M. Gamble* of Minneapolis is employed by the Minneapolis Public Schools in an autism program. She is also beginning her fourth year as a dance instructor for the University of Minnesota teaching courses at Coffman Memorial Union and the St. Paul Student Center.

Cheryl A. Kaup of St. Paul is a medical technologist at St. John's Hospital.

Dean C. Sandberg of Minneapolis is in commercial banking at First Bank Minneapolis.

Kathleen Sandberg of Minneapolis is in law school at the University of Minnesota.

James K. Zenk of Montevideo, Minn., established a new office in March where he is a dentist.

'80 *Sandra R. Boehm* of St. Paul is attending law school at the University of Minnesota.

Timothy J. Dwyer of St. Paul is assistant branch sales manager for the Bankers Life and Casualty Co., St. Paul.

Raul E. Espinosa of Rochester, Minn., is a medical student at the Mayo Medical School.

Mark D. Hagen of Rochester, Minn., is an electrical design engineer for IBM.

Ann B. Kispert of Eden Prairie, Minn., works for Winona Inc., a market research

company. She is a project director for telephone interviewers.

Judith M. Luchau of Minneapolis is a staff accountant for Coopers and Lybrand of Minneapolis.

Kent D. Mellen of West Des Moines, Iowa, is a commercial service representative for Honeywell.

Julie K. Rodgers of Dallas has been promoted to liquid department supervisor for Economics Laboratory, Garland, Texas.



Alumnus Roy Wilkins Dies

Roy Wilkins, a 1923 graduate of the University of Minnesota, died Sept. 7, 1981, in New York. For two decades he was the leader of the National Association for the Advancement of Colored People. He worked his way through college as a caddie, a red cap, and a Pullman car waiter. He was a night editor of the Minnesota Daily. He received an honorary doctor of laws degree June 12, 1976 from C. Peter Magrath, left, president.

Deaths

Dr. Harold J. Leonard, '12, '14, '15, on July 5, 1981, in Succasunna, N.J. Dr. Leonard had been an instructor in operative dentistry; instructor in oral surgery, oral hygiene, and oral pathology; and superintendent of the School for Dental Hygienists at the University of Minnesota. He had retired from his dental practice in 1965.

Paul Reyerson, '19, on April 22, 1981, in Minneapolis.

Douglas W. Hughs, '22, on Sept. 30, 1980, in Flushing, N.Y. Hughs had been a member of the Minnesota Alumni Association for more than 50 years.

Cyril H. Goulden, '25, in February 1981, in Ottawa, Canada.

Milre J. Sills, '25, on July 17, 1981, in Baltimore, Md.

Gordon M. Lawrence, '27, on June 6, 1981, in St. Paul.

Mrs. Cornelia A. Dubois, '31, on June 12, 1981, in Minneapolis.

Mrs. Edith P. Taylor, '32, in July of 1981, in Minneapolis.

Mrs. Evelyn S. Burton, '39, in February 1981, in Windom, Minn.

Mrs. Barbara U. Lindow, '42, on June 27, 1981, in Minneapolis.

Dr. Philip J. McDermott, '53, on May 28, 1981, in Indio, Calif.

MOVING?

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Full Life Members May 1981

Abramson, Brian D.; '80 AG; Meadowlands, Minn.
Adams, Kenneth R.; '80 IT; St. Paul
Aldrich, Dr. Herrick J.; '34 MED; Sheridan, Wyo.
Anderson, Harlan V.; '43 IT; Prior Lake, Minn.
Anderson, Mrs. (Harlan V.), Helen Marie; Prior Lake, Minn.
Asseltine, Mary E.; '30 GRAD; Garrison, Minn.
Becker, Anne E.; '77 CLA; Golden Valley, Minn.
Bentley, Dr. Donald E.; '54 DENT; Hawley, Minn.
Birkeness, Valborg; '48 GRAD; St. Paul
Black, Richard L.; '36 IT; Torrance, Calif.
Boies, Alexandra Gray; '79 GRAD; St. Paul
Bricher, Donald W.; '58 IT; St. Paul
Brom, Erik W.; '81 IT; Winona, Minn.
Chou, Dr. Shelley N.; '64 GRAD; Minneapolis
Coppicus, Clinton J.; '73 IT; Fridley, Minn.
Crewdson, Buddy G.; '66 AG; Minneapolis
Crewdson, Mrs. (Buddy G.), Norma; '63 GRAD; Minneapolis
Daly, Eleanor M.; '46 PT; St. Paul
Dwan, John G.; '57 DULUTH; Duluth
Engen, Dr. Mark H.; '71 VET M; Bedmond, Wash.
Enquist, Melvin E.; '50 IT; Maple Plain, Minn.
Enquist, Mrs. (Melvin E.), Janet M.; '50 GRAD; Maple Plain, Minn.
Fairbanks, Neil R.; '57 GRAD; Anoka, Minn.
Fairbanks, Mrs. (Neil R.), Marlys B.; '64 ED; Anoka, Minn.
Fehrenbacher, Barbara B.; '43 HE; Wyoming, Ill.
Giesen, Marjorie E.; '76 MEDTC; Sheboygan, Wis.
Goldberg, Marvin I.; '72 GRAD; Arlington, Va.
Grahn, Joyce L.; '79 GRAD; Edina, Minn.
Grebner, Leo J.; '51 AG; Bloomington, Minn.
Grebner, Mrs. (Leo J.), Barbara A.; Bloomington, Minn.
Grose, Frederick H.; '24 BUS; Pasadena, Calif.
Hanson, Robert O.; '52 PHARM; Rushford, Minn.
Jackson, Robert W.; '62 ED; Long Beach, Calif.

Jaeger, Dr. Arthur T.; '55 DENT; Brooklyn Park, Minn.
Kelly, Kathryn Ann; '77 IT; Minneapolis
Kottke, Edward C.; '68 ED; Minneapolis
Lemberg, Bradford A.; '58 MEDTC; Arden Hills, Minn.
Lemberg, Mrs. (Bradford A.), Jean Urbank; '53 MEDTC; Arden Hills, Minn.
Leong, Lawrence Y.; '75 IT; Minneapolis
Levendowski, Jerome C.; '61 GRAD; Sacramento, Calif.
Levorsen, John A.; '54 GRAD; Anchorage, Alaska
Levorson, Alton G.; '43 AG; Edina, Minn.
Lohman, Mark E.; '78 BUS; Geneseo, Ill.
McKay, Maurice J.; St. Paul
Menozzi, William; '49 ED; Nashwauk, Minn.
Menozzi, Mrs. (William), Doris Beckman; '49 CLA; Nashwauk, Minn.
Mettke, Karl H.; '77 UCOL; Duluth
Miles, James G.; Wayzata, Minn.
Miles, Mrs. (James G.), Laura H.; '47 LAW; Wayzata
Miskowicz, Jay A.; '81 CLA; Fridley, Minn.
Nelson, Richard K.; '53 IT; Bloomington, Minn.
Nelson, Mrs. (Richard K.), Barbara L.; Bloomington, Minn.
Nevin, Mary Pearson; '52 ED; St. Paul
Niska, Patricia A.; '60 HE; Brainerd, Minn.
Olson, Alden C.; '49 BUS; Halt, Minn.
Paper, Mark; '54 BUS; St. Paul
Paper, Mrs. (Mark), Frances F.; '58 CLA; St. Paul
Papermaster, Dr. Ralph; '40 MED; Shorewood, Minn.
Papermaster, Mrs. Ralph; '42 MEDTC; Shorewood, Minn.
Petersen, Dr. Allan D.; '47 DENT; Minneapolis
Peterson, Leslie W.; '50 AG; Trimont, Minn.
Peterson, Mrs. (Leslie W.), Kathryn R.; '50 HE; Trimont, Minn.
Pflfner, Dorothee M. Aepli; '80 GRAD; St. Paul
Prestegard, Peter P.; '65 BUS; New City, N.Y.
Reed, Betty J.; '51 ED; Minneapolis
Riley, William H.; '51 BUS; Evanston, Ill.
Schmitt, Tim B.; '70 MED; Wadena, Minn.
Scroeder, Wesley G.; '64 VET M; Maple Plain, Minn.
Selander, Karl W.; '23 IT; Wheaton, Ill.
Shine, Barbara A.; '60 GC; Chicago
Staehle, Roger W.; Minneapolis
Taylor, Robert J.; '64 GRAD; Minneapolis

Taylor, Mrs. (Robert J.), Susan; '64 CLA; Minneapolis
Thomas, Brown W.; '55 IT; North Oaks, Minn.
Thomas, Mrs. (Brown W.), Audrey C.; '48 BUS; North Oaks
Thompson, Evelynne; '76 ED; St. Paul
Thompson, Wayne W.; '57 MED; Roseville, Minn.
Trach, David B.; '43 PHARM; Minneapolis
Van Tassel, Lowell T.; '62 GRAD; San Diego
Wakefield, Lowell G.; '56 AG; Appleton, Minn.
Watkins, Dennis; '65 BUS; St. Cloud
Wilson, Dr. John L.; '33 GRAD; St. Paul
Wilson, Mrs. (John L.), Palma J. Nelson; St. Paul
Wynne, Dr. Bayard E.; '72 GRAD; Chicago
Wynne, Mrs. (Bayard E.), Carol Edlund; Chicago
Zbacnik, Dr. Joseph L.; '61 DENT; San Diego

Installment Life Members May 1981

Ackmann, Dale A.; '59 BUS; New Hope, Minn.
Adams, Prof. John S.; '66 GRAD; Berkeley, Calif.
Alexander, C. J.; '70 GRAD; Urbandale, Iowa
Anderson, Donald H.; '51 CLA; Roseville, Minn.
Anderson, Mrs. (Donald H.), Florentine M.; '59 GRAD; Roseville, Minn.
Anderson, Eileen F.; '31 ED; Benson, Minn.
Anderson, J. Forrest; '50 IT; Minneapolis
Anderson, Mrs. (J. Forrest), Harriet H.; '52 NURS; Minneapolis
Anderson, Jon L.; '77 CLA; Golden Valley, Minn.
Anderson, Mark E.; '69 CLA; St. Paul
Andre, Michael L.; '72 IT; Bellevue, Wash.
Angle, Leigh R.; '71 GC; Minneapolis
Armstrong, Daniel A.; '35 IT; Las Cruces, N.M.
Aspen, Frank E.; '80 GRAD; St. Paul
Autio, George B.; '68 IT; Duluth
Bangs, Sheila T.; '55 ED; Hacienda Heights, Calif.
Barenbaum, Stanley; '47 BUS; St. Paul
Barenbaum, Mrs. (Stanley), Bettie; '48 UCOL; St. Paul
Bartz, Dr. Gregory A.; '78 VET M; Waconia, Minn.

- Bartz, Mrs. (Gregory A.), Mary A. Greeley; '76 HE; Waconia, Minn.
- Bauer, John A.; '58 IT; St. Paul
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- Benson, Margaret E.; '34 NURS; Bloomington, Minn.
- Bernardy, Jerel D.; '73 BIOSC; Hampton, N.H.
- Bieber, Judith F.; '75 GRAD; St. Paul
- Bjork, Kevin S.; '79 DENT; Bismarck, N.D.
- Bond, David F.; '79 GRAD; Walnut Creek, Calif.
- Bond, Mrs. (David F.), Nina Szulga; '78 ED; Walnut Creek, Calif.
- Braun, Richard P.; '55 GRAD; Minneapolis
- Braun, Mrs. (Richard), Ellen K.; '48 HE; Minneapolis
- Brewer, Kathryn A.; '78 GRAD; Minneapolis
- Buresh, Regina F.; '71 CLA; Staples, Minn.
- Busta, Francis F.; '61 GRAD; St. Paul
- Busta, Mrs. (Francis F.), Beverly A.; '79 UCOL; St. Paul
- Callinan, Patricia; '52 GC; Minneapolis
- Carmichael, Robert C.; '71 GRAD; Apple Valley, Minn.
- Christian, Edward T.; '48 LAW; Albert Lea, Minn.
- Clark, Brian J.; '78 CLA; Anaheim, Calif.
- Clappier, Dr. Ronald; '73 VET M; Woodbury, Minn.
- Clough, Nancy J.; '78 GC; Mound, Minn.
- Cohen, Lawrence D.; '57 LAW; Minneapolis
- Courteau, Michele L.; '71 ED; St. Paul
- Cyrotski, August L.; '52 IT; Chicago
- Dahl, Kathleen A.; '79 GRAD; Coon Rapids, Minn.
- Devine, Robert P.; Lilydale, Minn.
- DeVore, Carol L.; '58 CLA; Minneapolis
- Delin, Ruth M.; '79 ED; St. Paul
- Donato, Michael V.; '73 CLA; Minneapolis
- Doten, Gregory P.; '80 IT; Plymouth, Minn.
- Douglass, Richard H.; '53 CLA; Lakefield, Minn.
- Dupont, Thomas H.; '67 CLA; Robbinsdale, Minn.
- Ecker, Joy E.; '80 CLA; Minneapolis
- Engholm, Tim L.; '78 IT; Grapevine, Texas
- Engholm, Mrs. (Tim L.), Peggy; Grapevine, Texas
- Erdmann, Dr. Duane J.; '74 GRAD; Rochester, N.Y.
- Erkkila, Dr. John C.; '71 MED; Corvallis, Ore.
- Erkkilla, Mrs. (John C.), Eloise A.; '69 NURS; Corvallis, Ore.
- Federico, Leonard; '73 CLA; Minneapolis
- Foster, Richard A.; '77 GRAD; St. Paul
- Foster, Mrs. (Richard A.), Barbara M. Jannett; '65 ED; St. Paul
- Frakes, Eudora L.; '78 ED; Minneapolis
- Frame, Dr. Robert M. III; '80 GRAD; St. Paul
- Franks, Douglas A.; '72 CLA; Minneapolis
- Franks, Mrs. (Douglas A.), Diana L.; Minneapolis
- Freeberg, Donald A.; '49 BUS; Saugus, Calif.
- Freeberg, Mrs. (Donald), Lorraine Hegvold; Saugus, Calif.
- Gaertner, Dr. John R.; '61 MED; St. Paul
- Ganapes, Lucia H.; '78 CLA; Logan, Utah
- Garland, Robert F.; '56 BUS; St. Paul
- George, Robert L.; '65 IT; San Marino, Calif.
- Gormin, Gary P.; '65 CLA; Clearwater, Fla.
- Graven, David L.; '53 LAW; Minneapolis
- Gray, Donna M.; '79 CLA; Bloomington, Minn.
- Greco, Deanne M.; '78 LAW; Edina, Minn.
- Griffin, Gail; '78 CLA; Minneapolis
- Gross, Dale C.; Minneapolis
- Gustafson, Mark S.; '79 BUS; Minneapolis
- Hagemeyer, Joan M.; St. Paul
- Haislet, Robert C.; Long Lake, Minn.
- Haislet, Mrs. (Robert C.), JoAnne; Long Lake, Minn.
- Hanson, Arthur J.; '57 AG; Canoga Park, Calif.
- Hanson, Diane C.; '79 LAW; Minneapolis
- Harkman, Jeffrey A.; '80 CLA; Minneapolis
- Hedback, John A.; '78 CLA; Arden Hills, Minn.
- Hedman, Donald O.; '78 PH; Minneapolis
- Helmer, Donald A.; '64 BUS; Faribault, Minn.
- Helmer, Mrs. (Donald A.), Marjorie J.; '65 ED; Faribault, Minn.
- Hermesen, Paul S.; '49 CLA; Holicong, Pa.
- Holl, Tyrgve A.; '41 AG; Edina, Minn.
- Holl, Mrs. (Trygve A.), Lorene G.; '45 HE; Edina, Minn.
- Hollimon, G. L.; Green Bay, Wis.
- Huberty, Robert J.; '60 IT; St. Paul
- Huetl, Dianne M.; '67 CLA; St. Paul
- Huff, Dr. Claring R.; '58 VET M; New Brighton, Minn.
- Jackson, Jane L.; '59 GC; Long Lake, Minn.
- Jacobsen, Thomas W.; '50 CLA; Minneapolis
- Jacobson, John A.; '56 CLA; Naperville, Ill.
- Jacobson, Mrs. (John A.), Joan Elaine; Naperville, Ill.
- Jones, Thomas A.; '81 MED; W. St. Paul
- Kaufman, Barbara W.; '68 GRAD; St. Louis Park, Minn.
- Kiely, Richard; '60 IT; Richfield, Minn.
- Klaurens, Mary K.; '67 GRAD; Minneapolis
- Knight, James R.; Dallas
- Knight, Mrs. (James), Dolores M.; Dallas
- Kosik, Michael J.; '73 CLA; Albany, Minn.
- Kurcinka, Joseph M.; '80 GRAD; Minneapolis
- LaFleur, Tim; '80 IT; Minneapolis
- LaFleur, Mrs. (Tim), Randi W.; '79 CLA; Minneapolis
- Lake, Dr. Jon P.; '72 GRAD; Rochester
- Lambert, Edmond L.; '73 GRAD; Woodbury, Minn.
- Larson, Goodman K.; '39 FOR; Hopkins, Minn.
- Larson, Mrs. (Goodman K.), Marjorie A.; '39 HE; Hopkins, Minn.
- Larson, Rholan E.; '47 BUS; Buffalo, Minn.
- Lawless, Michael G.; '80 GRAD; St. Paul
- Lawless, Mrs. (Michael G.), Mary J.; '73 CLA; St. Paul
- Levy, Leonard B.; '42 CLA; St. Louis Park, Minn.
- Levy, Mrs. (Leonard B.), Loretta; St. Louis Park, Minn.
- Lewis, Todd W.; '79 IT; Indianapolis
- Libro, Teresa M.; '74 CLA; Wausau, Wis.
- Lindgren, Jean H.; '80 GRAD; Minneapolis
- Lindquist, Ray J., Jr.; '44 BUS; Mankato, Minn.
- Ljungkull, Jon E.; '77 CLA; St. Paul
- Ljungkull, Mrs. (Jon E.), Deborah A.; '75 GC; St. Paul
- Lofgren Laurie A.; '76 HE; St. Paul
- Lund, H. Neil; '70 IT; Minneapolis
- Mahler, Dr. Steven K.; '72 DENT; Eden Prairie, Minn.
- Martinson, RaNae B.; '78 DULUTH; Paynesville, Minn.
- Maxwell, Robert; '76 BUS; Monticello, Minn.
- McAfee, Timothy A.; '81 BIOSC; Berkeley, Calif.
- Meeker, Harold; '79 GC; Mound, Minn.
- Mehus, Mary Ann; Richfield, Minn.
- Meyer, Teresa M.; '62 ED; Shakopee, Minn.
- Miele, Sara L.; '70CLA; Minneapolis
- Miller, Sue R.; '71 PT; Sioux Falls, S.D.
- Mistelske, Emerson W.; '50 AG; St. Paul
- Montgomery, Robert W.; St. Paul
- Montgomery, Mrs. (Robert W.), Deborah L.; '71 CLA; St. Paul
- Nazy, Janet A.; '79 AG; Bozeman, Mont.
- Niederluecker, Kim; Minnetonka, Minn.
- Noble, Adelaide F. Lackey; '29 ED; LaJolla, Calif.
- Norrbom, Jaan A. Loomer; '57 NURS; Coon Rapids, Minn.
- O'Grady, Dr. Joseph P., Jr.; '79 MED; Milwaukee
- Omans, James B.; '78 IT; Annapolis, Md.
- Opie, Dr. Joseph W.; '40 GRAD; Minneapolis
- Opie, Mrs. (Joseph W.), Liliias W.; '39 MEDTC; Minneapolis
- Otto, James A.; '81 AG; St. Paul
- Paulsen, Jane A.; '79 ED; Burnsville, Minn.
- Pearson, John W.; '39 IT; West St. Paul
- Pearson, Mrs. (John W.), Libby; '37 ED; West St. Paul
- Peterson, Anne D.; '35 BIOSC; Clear Lake, Minn.
- Pierce, George O.; '40 MED; Cambridge City, Ind.
- Pierson, Charles W.; '52 BUS; St. Paul
- Poole, Thomas G.; '71 CLA; Greensboro, N.C.
- Portz, Paul E.; '69 BUS; St. Paul
- Quinn, C. Leighton; '53 BUS; New Brighton, Minn.
- Quinn, Mrs. (C. Leighton), E. Karen Thoresen-Quinn; '67 ED; New Brighton
- Rask, O. J.; Golden Valley, Minn.
- Rask, Mrs. (O. J.), Carolyn; Golden Valley, Minn.
- Reeck, Gary H.; '76 AG; Paynesville, Minn.
- Reeck, Mrs. (Gary H.), LuAnn Baumgardt; '77 ED; Paynesville, Minn.

Richards, Charles F.; '63 NURS; Edina, Minn.
 Richards, Mrs. (Charles F.), Mary E.; '79 GRAD; Edina, Minn.
 Richmond, Pamela S.; '79 CLA; Minneapolis
 Riehm, Terri L.; '77 BIOSC; Bloomington, Minn.
 Rollins, Josephine L.; '40 GRAD; Minneapolis
 Rosen, William S.; '52 LAW; Edina, Minn.
 Rosen, Mrs. (William S.), Esther; '55 CLA; Edina, Minn.
 Ruud, Sylvia C.; '79 GRAD; St. Paul
 Schaefer, James M.; '69 PT; Brooklyn Park, Minn.
 Schoon, Warren E.; '43 CLA; Luverne, Minn.
 Schoon, Mrs. (Warren E.), Luverne, Minn.
 Schroeder, Gertrude C.; '72 CLA; St. Paul
 Schwen, Rebecca L.; '75 ED; Anoka, Minn.
 Seim, Omer A.; '49 CLA; Wayzata, Minn.
 Seim, Mrs. (Omer A.), Clarice J.; '49 MEDTC; Wayzata, Minn.
 Setterberg, Stephen; Minneapolis
 Sevlie, Barbara L.; '74 ED; Minneapolis
 Showman, Alan D.; '79 AG; Jackson, Minn.
 Simmon, Dr. Knute; '29 DENT; Minneapolis
 Simmons, Mrs. (Knute N.), May Anderson; Minneapolis
 Simpson, Rear Admiral Maurice E.; '36 DENT; Del Mar, Calif.

Sourdif, Jerald E.; '69 CLA; Apple Valley, Minn.
 Spencer, Michael P.; '79 DULUTH; Minneapolis
 Spencer, Mrs. (Michael P.), Laurie L. Wilson-Spencer; '79 DULUTH; Minneapolis
 Stark, John E.; '78 BIOSC; Bloomington, Minn.
 Staube, Dale E.; '80 AG; Winona, Minn.
 Stewart, Charles A., Jr.; '78 BUS; St. Paul
 Stewart, Mrs. (Charles A.), Kathryn Ann; '78 BUS; St. Paul
 Stone, Angeline E.; '78 NURS; St. Paul
 Stone, Dr. Frederic M.; '70 MED; Minneapolis
 Stone, Mrs. (Frederic M.), Rita M.; '68 ED; Minneapolis
 Straw, Barbara; '76 VET M; St. Paul
 Strunk, Lawrence W.; '72 BUS; Hanahan, S.C.
 Strunk, Mrs. (Lawrence W.), Karen K.; Hanahan, S.C.
 Sunset, Vernon R.; '59 ED, Fort Collins, Colo.
 Sunset, Mrs. (Vernon R.), JoAnne M.; Fort Collins, Colo.
 Swanson, Linda C.; '72 HE; Bloomington, Minn.
 Thaves, Keith M.; '49 CLA; Jordan, Minn.
 Thompson, Mary J.; '78 NURS; St. Paul

Thomsen, Ernest M.; '49 GRAD; White Bear Lake, Minn.
 Tichy, George J. II; '67 LAW; Hillsborough, Calif.
 Tobin, Wade F.; '48 BUS; St. Paul
 Tobin, Mrs. (Wade F.), Donna M.; '44 CLA; St. Paul
 Trenda, James A.; '73 BUS; Prior Lake, Minn.
 Truchinski, Steven W.; '80 LAW; Brooklyn Center, Minn.
 Truchinski, Mrs. (Steven W.), Beatrice K.; Brooklyn Center, Minn.
 Turner, James W.; '76 AG; Fargo, N.D.
 Tuttle, Ralph H.; '73 BUS; St. Paul
 Tuttle, Mrs. (Ralph H.), Cynthia A.; '72 DENHY; St. Paul
 Underwood, Mrs. (Kenneth), Edna Queensland; Yellow Springs, Ohio
 Vidins, Viesturs; '69 IT; Minnetonka, Minn.
 Warkentin, Dr. Phyllis I.; '74 MED; Minneapolis
 Wierzb, Joan M.; '79 GRAD; Minneapolis
 Wipf, Larry J.; '66 AG; Shoreview, Minn.
 Wipf, Mrs. (Larry J.), Donna J.; Shoreview, Minn.
 Wissner, Glenn A.; '79 CLA; Bloomington, Minn.
 Yager, Donald R.; '54 BUS; St. Paul
 Zinter Elsa A.; '61 NURS; Duluth

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Big Ten Caribbean Cruise February 6-20, 1982

Aboard Norwegian American Cruises' Vistafjord. Eight exciting ports of call. \$1,960 - \$3,920 per person cruise rate.

Margarita Island, Venezuela March 20-27, 1982

Off the coast of Venezuela, in the warm blue Caribbean, there's an island that's just now being discovered. Margarita Island. Unspoiled beaches, lush green mountains, quaint fishing villages, and a lovely new resort hotel assure your enjoyment and relaxation. \$800 per person (from NYC) approximately.

Main Passage (Main River, West Germany) June 1982

Twelve days, eleven nights including two nights in Mainz, Germany, six nights cruising Germany's beautiful Main River, three nights in Munich. \$1,900 per person (from NYC) approximately, most meals included.

Rogue River Rafting Expedition Rogue River, Oregon July 1982

Five days on Oregon's famed and beautiful Rogue River as it winds its way through the gentle green wilderness of the coastal range and then tumbles raucously over boulders and through narrow rock gorges. The Rogue was one of the first rivers entered into the National Wild and Scenic Rivers system. \$400 per person (approximately), Galice, Oregon to Galice.

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September 28 - October 10, 1982

Three days in Athens followed by a seven day sea voyage aboard the fully rigged four-masted baroque SEA CLOUD. See the Greek Islands as only a few ever will, under the SEA CLOUD'S 28 massive sails. And, ideal temperatures prevail in the Aegean during the fall. \$3,145 - \$5,345 per person (approximately) cruise rate.

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