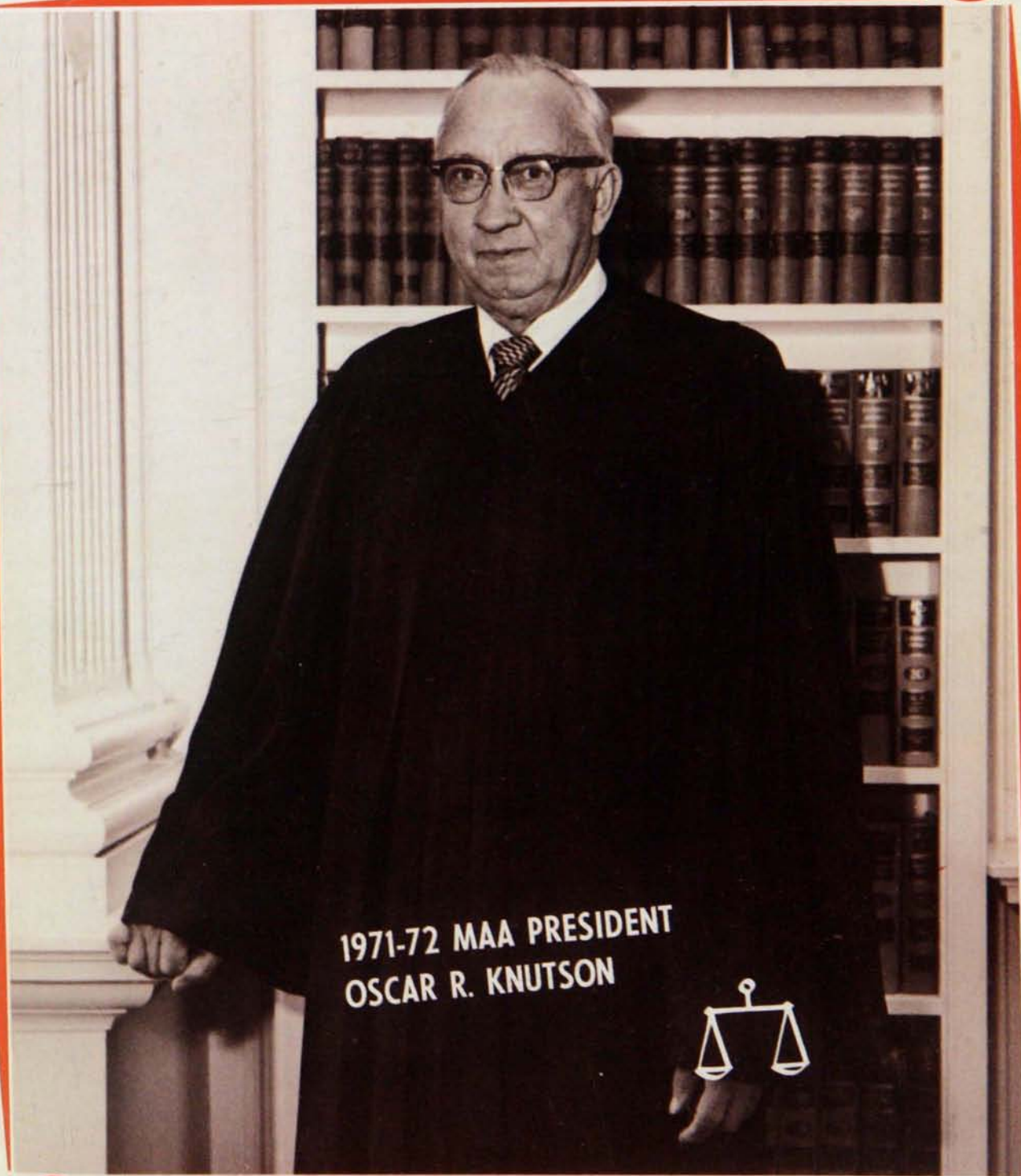


1971 SEPTEMBER

alumni news

UNIVERSITY OF MINNESOTA



1971-72 MAA PRESIDENT
OSCAR R. KNUTSON

THE MINNESOTA CLOCK



Eli Terry (1772-1852) was one of America's outstanding Colonial clock-masters — an innovator, a craftsman par excellence, and a far-seeing business man. From his drawing-table and workshop in Plymouth Hollow, Connecticut, came clocks that take first place in the respected traditions of early American clock history.

And among his many beautiful designs, is one of the year 1816 which has been considered one of his most noteworthy — extremely simple, graceful, unobtrusive, fine. It is called "Presentation." The clock pictured here recaptures the lines and the spirit of this 1816 masterpiece of Mr. Terry and, as a Presentation Piece, serves to perpetuate his important contribution to the Colonial period.

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"The Presentation", measuring 14" x 9" x 4", entirely handcrafted in New Hampshire, is in rich honey pine, hand-rubbed to a warm antique glow. It has a guaranteed electric movement of the best quality for long, quiet and trouble-free dependability.

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_____ Cordless Minnesota Clock (\$57.50)

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City _____ State _____ Zip _____

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alumni news

UNIVERSITY OF MINNESOTA

SEPTEMBER 1971

VOL. 71, NO. 1

in this issue

A PROFILE OF YOUR new national president, The Honorable Oscar R. Knutson '27LLB, Chief Justice of the Minnesota Supreme Court, highlights this issue, along with news of other MAA officers, a provocative article on education by a University alumnus, and other news of your University.

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Mary Lou Aurell '62BAJourn Editor
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ALUMNI REACTION

A PERTINENT STATEMENT

I enjoyed, very much, attending the 67th Annual Meeting (of the Minnesota Alumni Association) June 8. Everything went along smoothly and without complications — I was honored to be there.

I have just finished reading "Are Americans Losing Faith in Their Colleges?" I find every word most important at this time of tight money from units of government as well as from private sources. I will not go into detail, but will just say that I hope everyone will read their copy.

The entire editorial is so very timely. I plan to re-read it and pass my copy on to friends.

My congratulations on passing out such a pertinent statement.

*Vincent K. Bailey '29BSAg
Alumni Service Awardee
Newport, Minnesota*

CONGRATS ASSOCIATION!

I am writing this to tell you how much I appreciate being on the board of the Association these last four years.

I also want to thank the Association for the beautiful Service Award.

Of course, I shall have a continuing interest in the affairs of the University, and the affairs of the classes of 1927 and 1931.

I am impressed with the great job of directing you have done; the challenges of the future will be met successfully by you and your staff.

*Howard F. Woo '27BA '31BArch
Minneapolis, Minnesota*

Here's a great idea for the football stadium and any of your other fall and winter outdoor activities. Made of specially treated tight woven Nylon, this storm proof bag for two persons can be slipped on for just leg protection — or zipped up for all-over protection in wind, rain, sleet or snow.

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alumni news

POINTS OF VIEW



The Minnesota Alumni Club, which opened for business in September, 1963, has been closed for the foreseeable future. Quarters in the Sheraton-Ritz Hotel have been given up.

The opening and operation of an Alumni Club was a longtime objective of the Association and was established because of the real need of the 80,000 alumni in the state, 52,000 of which reside in the seven-county metropolitan area, to have a place of their own, and to solve the very real problem of finding a place on campus to meet or to park.

The Alumni Club opened at the same time as the then new Sheraton-Ritz Hotel and met with the instant approval of its 1,800 members. Membership eventually leveled out at 1,200, but with Club use remaining very good. A year ago, as the result of the economic recession, the Club showed a deficit of about \$1,000 per month and for the first nine months this year an even greater deficit. The Executive Committee, after careful analysis of all factors involved, and after considering the raising of dues, leveeing assessments and instituting a use fee in order to offset the increased and increasing costs of operation, reached the conclusion that all the various methods would only result in a loss of membership, decreased use and continuing deficits. The decision was made, regretfully, that the Alumni Club would have to be closed, but with the hope that it could be opened at another time.

In the meantime, plans have moved ahead for the building of an Alumni Center building on the University's East Bank and the University has designated a site, a half block facing 4th Street between 15th and 16th Avenues, which the Association might use. A special committee, appointed by President Oscar Knutson, will study the site and bring in recommendations as to the possibility for its use.

When the decision was made to consider building the Center on the East Bank, it was discovered that financing for the facility was not possible without the inclusion of restaurants and lounges in the Center where liquor could be served. Consequently, a bill was introduced in the Legislature, amending the statute governing the sale of liquor in the University area, that would allow the Minnesota Alumni Association the right to obtain a license to serve alcoholic beverages in its contemplated alumni facility.

An Alumni Center, most likely on the East Bank, seems to be a possibility at this time.

Ed Hauke



"Meet Your President"



THE Chief Justice of the Minnesota Supreme Court and current president of the Minnesota Alumni Association (MAA), Oscar R. Knutson '27LLB, feels that the Association is a valuable critical and supportive arm of the University of Minnesota.

His attitude toward the efforts of the Association is closely mirrored in his work with the National Conference of Chief Justices, of which he is past chairman.

And, if his leadership in this organization of state chief justices is indicative of what Minnesota alumni can expect under his direction — the Association is in for a year of definitive progress.

Prior to his election as chairman, Chief Justice Knutson had spent four years on the executive committee of the

Conference of Chief Justices—an organization formed to bring state court leaders together annually to find solutions to common problems. As chairman, he was directly responsible for the group's 1970 intensive three-day conference program.

Among the highlights of the 1970 program was the discussion of new standards of criminal justice lead by United States Chief Justice Warren Burger, former U.S. Associate Justice Tom Clark and Judge Lombard, chief judge of the U.S. second circuit court. Chief Justice Knutson has known Judge Burger since he practiced law in St. Paul over 40 years ago, and is also a close friend of Supreme Court Associate Justice Harry Blackmun.

"Criminal law has changed

so much in the last decade or two that I wouldn't know the law from when I went to school," Chief Justice Knutson told The Alumni News.

He pointed out that the U.S. Supreme Court has been the major impetus for this change. "The Supreme Court has changed its attitude toward criminal law over the years, and we have had to keep pace with it."

When the Chief Justice was appointed to the Minnesota Supreme Court as an associate justice in 1948, the high court heard approximately two or three criminal cases a year. In 1970 the court heard over 100 criminal cases.

SINCE Judge Knutson has become the supervisor of the

state's entire judicial system and has worked with the Conference of Chief Justices, Minnesota has been a leader in implementing many of the Conference's suggestions.

The state was in the vanguard that formed fair trial/free press commissions — bodies to formulate guidelines for media coverage of trials in such a way as not to cause prejudicial trials.

"Minnesota is also a leader in the public defender field," the Chief said. "We have the best system in the country."

And the state was the first to create the position of state supreme court administrator, a post to deal with the severe amount of clerical and paperwork that the Supreme Court Justices had to contend with in addition to full court calendars.

"Eight years ago our court calendar was three years behind," Chief Justice Knutson said.

Today, he noted, the calendar is only 12 months behind since the court administrator has allowed judges to devote more time to judicial matters.

The Conference of Chief Justices which Judge Knutson directed also spent time discussing a new code of judicial conduct for judges.

Minnesota has set up a commission of judges to deal with judicial conduct, but Chief Justice Knutson is working for a constitutional amendment that would create a strong state commission.

THE Chief Justice was born in Superior, Wisconsin, and

later moved to Warren, Minnesota — a rural farming community in the northeast corner of the state that has produced five judges, three of them on the Minnesota Supreme Court. Following his graduation from the University of Minnesota, he returned to Warren to practice law with Julius J. Olson, a man whose path Judge Knutson followed until his appointment as Chief Justice of the Supreme Court.

Olson was appointed a judge of district court in 1930 and to the Supreme Court in 1934. Knutson practiced in Warren until his appointment to the district court as judge of the old 14th district in 1941. He was elected to the same position in 1942, and resigned in 1948 to accept an appointment to the Minnesota Supreme Court.

Before his appointment as district judge, the Chief had served three terms as mayor of Warren — beginning an am-

KUOM, the University of Minnesota's AM radio station, has joined with the National Public Radio network to provide live, provocative programs each weekday from 4 to 5:30 p.m. Tune to 770kc on your AM dial for "All Things Considered" — in-depth reporting of public affairs. You will have an educational and entertaining listening experience!

bitious avocation in civic leadership.

Judge Knutson was re-elected a Supreme Court associate justice in 1948, 1954 and 1960, resigning his post two years later to accept an appointment as chief justice. He was elected chief justice in 1964 and again in 1970.

The Chief has been active in a panoply of professional organizations since he entered the field of law. Besides being a past chairman of the prestigious National Conference of Chief Justices, he is a past president of the 14th Judicial District Bar Association, the District Judges Association and a former director of the American Judicature Society.

He currently holds membership in the State and American Bar Associations, as well as several sections of each, is chairman of the State Judicial Council, and a member of the State Pardon Board.

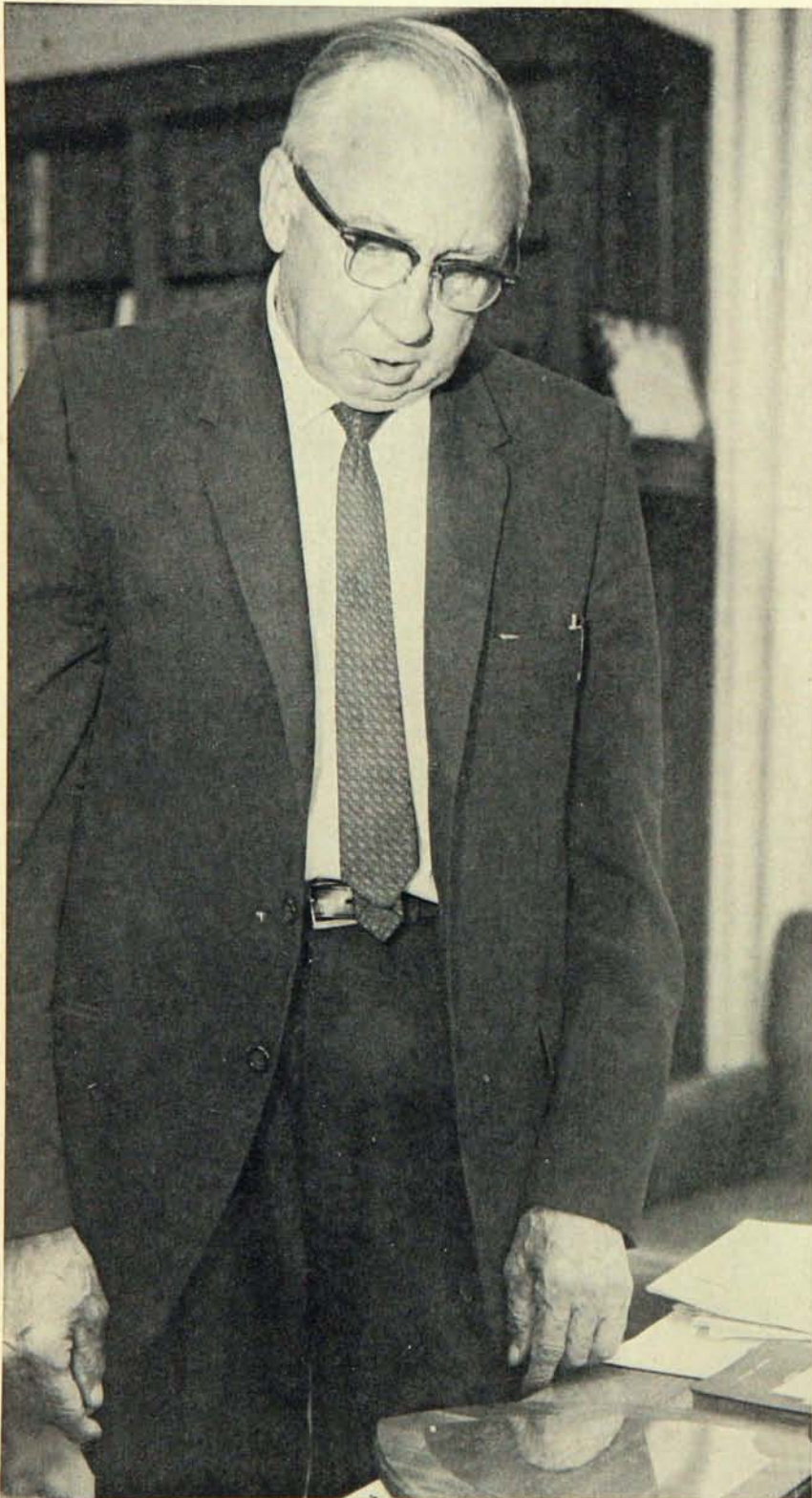
Despite consuming and dedicated involvements with his work, Judge Knutson still has found time and energy for the University of Minnesota.

The Chief has been an active alumnus since his graduation, serving as president of the Law Alumni Association and currently as national president of the Minnesota Alumni Association (MAA).

He began his work with the MAA after his election to the board of directors, and has since progressed through the offices of the MAA Executive Committee.

He is currently associate chairman of the Minnesota Committee for University Health Sciences.

The Chief's devoted and numerous achievements, both as a lawyer and a judge and



alumni news

MEET YOUR PRESIDENT...

as a civic leader have often been recognized. He has received the Outstanding Alumnus Award of St. Olaf College, Northfield, an institution which he attended for two years; the University of Minnesota Outstanding Achievement Award and the Law School Outstanding Achievement Award; an Outstanding Achievement Award from the Sons of Norway; and is the holder of an honorary Doctor of Laws degree from William Mitchel College of Law, St. Paul.

Knutson Hall on the University of Minnesota Crookston campus was named after the Chief Justice and dedicated in February 1969. The Chief graduated from the then Northwest School of Agriculture at Crookston in 1919. The school later became the Crookston campus.

Judge Knutson has reared a family involvement with law — his two sons, Robert O. and Richard H., both practice law in the Twin Cities.

A third child, daughter Anne Knutson Lee, lives in St. Charles, Illinois, with her family.

The Chief makes his home in St. Paul, Minnesota.

CHIEF JUSTICE KNUTSON is proud of the plaque presented to him by the National Conference of Chief Justices for his work as their chairman during the 1970 Conference.

MINNESOTA HOMECOMING



PEP FEST LUNCHEON

HOLIDAY INN CENTRAL
MINNEAPOLIS
THURSDAY, OCT. 21
12:00 NOON

*Open To All Alumni And
Friends Of The University*

SEE AND HEAR —

Coach Murray Warmath
Football Captain Bill Light
Athletic Director Marsh Ryman
Master of Ceremonies Paul Giel

ENJOY AND CHEER —

U of M Pep Band
Cheerleaders and Pom Pom Girls
College Songs
Pep Talks

A GREAT TIME FOR ALL, WITH FOOD, FUN & SPECIAL FAVORS —

It's a real old time pep rally. Social period starts at 11:30 a.m.; luncheon at 12 noon. Come and bring your friends to mingle with other alumni, Minnesota All-Americans, other celebrities. Help celebrate Homecoming 1971. Support the Gophers!

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St. Paul, Minnesota 55114

Count me in! Please reserve _____ at
\$4.25 each for the 1971 Homecoming Pep Fest
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at 12 noon.

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Amount Enclosed \$ _____

Make checks payable to MAA Pep Fest Luncheon

CARROLL



ATWOOD



GRAF



ARNOTT



FURBER



PLATOU



FRIEDEL

Above left, BRIESE; above right, MONAHAN; center, PENNOCK; bottom, HELTZER.

"MAA LEADERSHIP: The Executive Committee and New Board Members"

The Minnesota Alumni Association Executive Committee for 1971-72, in addition to President Oscar R. Knutson '27LLB, includes:

First Vice President
JOHN E. CARROLL
'33BChemE, St. Paul, president of American Hoist & Derrick Company;

Second Vice President
HARRY E. ATWOOD
'31BA, Minneapolis, president of the Northwestern National Life Insurance Company;

Secretary **VIOLET ROSACKER GRAF** '33-'37, Faribault, past president of the Minnesota Alumnae Club and active club woman;

Treasurer **HERMON J. ARNOTT** '24BA, Minneapolis, chairman of the board, Farmers & Mechanics Savings Bank;

Member **FRANKLIN BRIESE** '28LLD, St. Paul, chairman of the board and president, Minnesota Mutual Life Insurance Company;

Member **GERALD H. FRIEDEL** '48BA '51JD, Minneapolis, attorney-at-law with Henretta, Friedell, Share, McGinty & Solomon, P.A.;

Member **J. ROSCOE FURBER** '24EE, Minneapolis, retired vice president and manager of the Northern States Power Minneapolis division;

Member **DR. ROBERT HUGH MONAHAN** '43MD, St. Paul, a practicing ophthalmologist on the staff of St. Paul Ramsey Hospital;

Member **GEORGE T. PENNOCK** '34BA, Minneapolis, president of the Tennant Company;

Member **CARL N. PLATOU** '51MHA, Minneapolis, executive vice president of Fairview Hospitals;

Past President **HARRY HELTZER** '33METE, St. Paul, president and chairman of the board, Minnesota Mining & Manufacturing Company.

BRITZIUS



GIBBS



SALOVICH



MANICK



ARNESON



JOSEPH



MESSING



HEISEY



SCHUTZ



NEW ASSOCIATION BOARD MEMBERS

Newly-elected Minnesota Alumni Association board members whose terms expire in 1975 include:

CHARLES BRITZIUS '33BCE '38MSCE, Wayzata, head of the Twin City Testing & Engineering Laboratory;

GEORGE GIBBS '63BSEd, Rochester, Minn., a personnel specialist with IBM in Rochester;

GERI MACK JOSEPH '46BA, Minneapolis, active national DFL committeewoman and local civic leader;

DR. KENNETH B. MANICK '56BA '60BS '60MD, Minneapolis, a private practitioner and an associate clinical professor in the University Medical School's department of dermatology;

WALLACE SALOVICH '50BBA, '56MHA, Wayzata, president of the Spray Tech Corporation, Minneapolis.

At-large board members appointed in 1971 for four-year terms include:

(Region I) **RICHARD F. MESSING** '43BChemE, Cambridge, Mass., vice president of Arthur D. Little, Inc., and manager of the corporate and public management division;

(Region II) **LEONARD C. HEISEY** '49BSB, Pittsburgh, Penn., manager of the distribution, coatings and resins division of Pittsburgh Plate Glass Industries, Inc.;

(Region IV) **JOHN C. SCHUTZ** '35, Madison, Wisc., executive vice president of Research Products Corporation, Madison;

(Region V) **GEORGE S. ARNESON** '49EE, Kansas City, Mo., president and chief operating officer of The Vendo Company, manufacturer of automatic merchandising equipment.

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By Karl M. Schurr**

UNIVERSITY EVOLUTION

*An Auto da fe Or A Reformation?**

THE academic community is confronted with a modern-day *Auto da fe*. Colleges and universities are engaged in an introspective inquisition, questioning the roles of students, faculty and administrators in respect to their interaction and responsibility (or lack thereof) to society. Constant evaluation, reevaluation and change are necessary for any self-governing group in modern times. On the other hand, agonizing self-appraisal by many educational groups is being conducted presently because of an unreasoning

fear of students, and because some of the faculty would rather talk about educational methodology than engage in its practice.

A university can be evaluated only by what it produces. Are its students capable leaders in society, and do students and faculty extend the boundaries of knowledge? Too many of our schools produce graduates who can recognize injustice but are unable to find a remedy, or who may not have formed any goals other than self indulgence and who are perfectly aware that their "education" has not equipped them to effect any change whatsoever. Too many faculty seek the *status quo*, the comfortable chair where lecture notes may be used again and again through the years without revision. Though not always the case, such a faculty will often substitute a

pursuit of educational novelty for the well-tested methodology of involving themselves and students in research.

Before I go further, let me define my understanding of the term "research". It is not "careful systematic study". Research is a type of creativity by which new, and previously unknown, information is made available to society. Obviously, the writing of a book, the composition of music, the production of a painting, as well as the more narrow investigation of a scientist, are research. If this type of creativity had not been done continuously, we would still be limited to the work of such ancient scholars as Aristotle and his contemporaries, as was the case in certain areas during the Dark Ages. Marcus Galenus, for

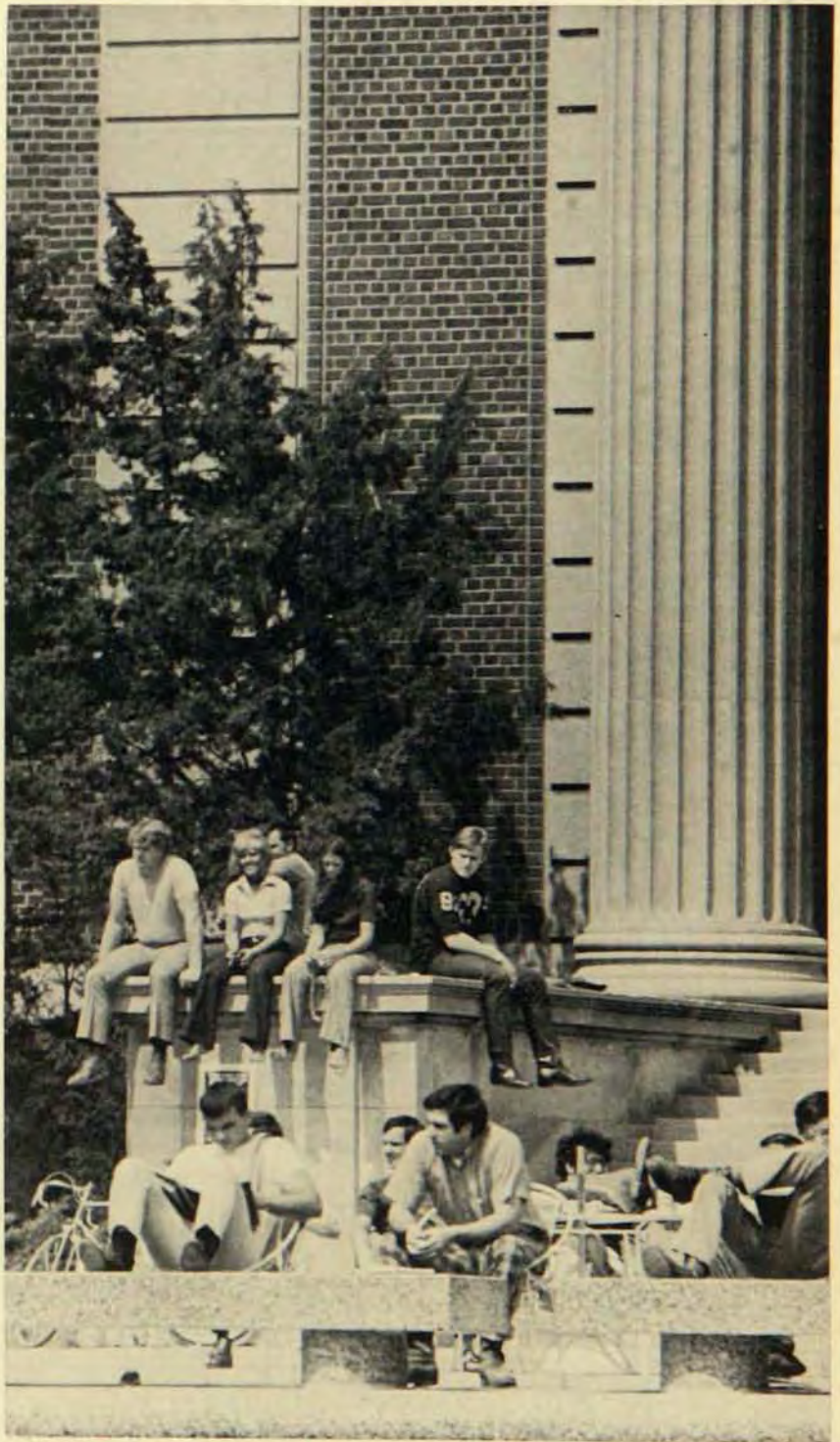
* This essay was modified from the book, *Viability of Change*, Bowling Green University Popular Press, 1971. Bowling Green, Ohio 43403. Published by permission of Ray Browne, Editor.

** The author earned the Ph.D. from the University of Minnesota, and is presently Associate Professor of Biology at Bowling Green State University.

example, was the only anatomist recognized for a thousand years. There is some amusing literature of this period where two men dispute the writings of Galen and then conduct "research" by reading dozens of his books in an attempt to find the truth. It never occurred to them that one could look at a muscle and observe its structure. Too many of our graduates are just as impotent when faced with the problems of the modern world.

What is the proper role of a faculty in a university? It is to help transmit worthwhile concepts to developing scholars and citizens, to aid them in utilization of knowledge, and to foster the maturity which will enable the students to use their minds. Hopefully, a proper university allows the students to surpass their teachers in their chosen fields. The substance of this part of the role is the transmission of what is known, a factual, philosophical and behavioral education. No matter how well we succeed in teaching, let us remember the penetrating observation of Alfred North Whitehead, "Knowledge keeps little better than fish".

The other duty of a faculty is to involve itself and students in extending the horizons of knowledge. These two facets of our role will not be fulfilled with equal energy by every individual. Some will devote more of themselves to teaching while others will be inclined to research. I think that poor teaching is absolutely unacceptable, no matter what



alumni news
UNIVERSITY
EVOLUTION

percentage of time is devoted to it. Poor research will be evaluated by forces outside the university and so we generally have only to concern ourselves with faculty doing no research and those who are successful in this aspect of our responsibility. The mutual engagement of students and faculty in significant research confers upon the students the power to effect the changes in a positive fashion not destructive to the society.

I will be very specific in suggesting that the only humane means to change is *within the system*. Very few Americans have had the opportunity to observe radical change in a social system. The usual by-products of such a change are human suffering, lack of employment, starvation and a serious erosion of the civilizing elements of the society. A nation, as free as our own, can make the transition to a better system without the risks inherent in revolution. Furthermore, there is not sufficient time to make the changes in a revolutionary manner.

About 30 years are left to us for the drastic moves required by the expanding human population. We need all of those 30 years; we cannot afford the cultural and technical lag that always occurs in a revolution. The key to this transition, of

course, is forged in our institutions of higher education.

What has gone wrong in our education system? The first incursion of our disease has been the gradual erosion of mutual respect between students and faculty at our most "respected" institutions. The only road to tenure at Berkeley was excellence in research; students became a hindrance in reaching this goal. Computerization, attempts at mass teaching, TV lectures and a general depersonalization brought a student frustration that burst forth as violence. One can realize the reason for the emphasis on research from the financial figures at Harvard at that time; grant overhead brought in \$10 for every dollar of tuition and fees. A few years later nearly every college in our nation found that students were opposed to faculty research. Some of the faculty joined in attacks on research as the culprit responsible for the ills of the world.

Actually, too little research has been done in the vast majority of schools, and (most unfortunately) none of the students were involved in such creative endeavor. It is possible to guess at the motivation of those attacking research and more generally attacking higher education. One cause might be the exposure of significant numbers of students to a really bad educational system, even though the less lustrous schools take pride in being teaching institutions. In fact, they are poor in both educational effectiveness



and research productivity. Many of the faculty are so slothful that they are neither good teachers nor good researchers. A measure of responsibility must also be borne by the students, since we have a long history of educational systems, worse than the present, where generations of students have been able to become scholars.

The most disturbing aspect of the matter is the occasional sentiment, by faculty, that

"Research involvement should not be the selfish activity of only the graduate faculty"

research is not really necessary, that "good teaching" is our only duty, and that a college can make its mark by not emphasizing research in its proper perspective. How frightening that such barely concealed anti-intellectualism would become a force to contend with at a university! How have we failed our students, and what stress has twisted the faculty in our nation to produce this view? If only one member of a single college thought in this fashion, it should be of concern to us all. Certainly a return to the educational philosophy of the Dark Ages cannot be our final contribution to modern civilization.

We have a huge population of students present in systems of higher education, and wrongs have been done them. Many have resorted to violence in their frustration. Often their education has been so poor that they cannot even logically identify their enemy and have attacked irrationally. Let me distill the essence of this situation. If people cannot determine those factors in a society which can be changed for the better, or if they are unable to effect a change in a relatively free society, then these people cannot have reached the status of educated men. Here, then, is the tragedy. Many graduates of the system, and many of those in the upper classes, are so poorly trained that they can only lash out blindly.

Not all schools have a record of incompetence. Like other universities, Bowling Green has many ills, but the general faculty has led students into a system of cooperative creativity where knowledge is exchanged and where students become involved. Most of our graduates feel able to help make the changes necessary in our society. Bowling Green University was the only major state university in Ohio to experience no violence in the recent turmoil. Although we had the mutual trust of students, faculty and administration, these would have meant nothing in the wave of emotionalism that swept Ohio. Our school remained open precisely because we were engaged in a viable educational exchange with our students. The sciences were producing thinking graduates capable of personal action against such relevant problems as cancer, overpopulation and shortage of food, pollution and disease. The graduates in arts had developed their creativity, while those in the humanities could work toward solutions as well as recognize the ills of society.

Students can best learn how to make their individual contribution by being involved in research at both the undergraduate and graduate levels. Research involvement should not be the selfish activity of only the graduate faculty. This is the problem. Many faculty in higher education confine their contact with students to

dispensing information without even any good advice on its digestion. The students are pigs at the trough, and the faculty go by occasionally distributing a bucket of overripe swill. Is it logical to expect the students to gratefully accept this type of "education"?

Students, who have spent 20 minutes in the library, will instantly recognize that much of the course content is actually "overripe". Those, with any ability at independent thinking, will understand that this type of "educational system" forces its graduates to either accept no change, or to attack the system. Our society cannot remain viable without change, and (for humanities sake) the people should not destroy the system. Horace Davenport, the noted physiologist of the University of Michigan has observed, "Out of the 200 million persons who infest this country, only 20,000 . . . maintain or advance civilization; the rest merely occupy space." Here is a challenge to higher education — do we produce graduates who advance our civilization? I suggest that too many schools are graduating the major portion of docile, bovine people who occupy space, with a minority of revolutionaries. The first group cannot advance our culture, while the second group seeks to destroy rather than to improve.

I am firmly convinced that any organization of a college will produce the opportunity for a good education, provided the students have an intellectual potential,

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provided the faculty is of academic worth and will spend time with students, and provided the administration is honest in placing the good of the students and school foremost.

What is the proper role of the administration? I can best define the errors. Administrators are not often oriented toward academic quality. University planning has been directed toward alleviation of symptoms. We have a whole generation of university presidents who have cultivated the techniques of dealing with (or out-maneuvering) dissident student groups. They care little about the product of their school, so long as they can keep the lid on the boiling pot. Machiavelli could have taken lessons from this brand of administrator. Very few students of 18 to 22 years of age have sufficient political sophistication and acumen to overcome a university president with the whole power of society behind him. The students know that the administration may be wrong, but they can do nothing about it. Such an administration is a precursor of the violent student riot. Actually, we have probably seen the spring tides in the waves of this type of violence. The pragmatic student revolutionary knows that guerilla tactics will gain his ends with less personal trauma, and much more personal safety, than by leading a full-scale student

riot. Furthermore, these tactics are the only option remaining to the student activist. He *must* change the system, and the majority of universities are so constituted that their students and graduates are incapable of causing any effect in the university or in society.

It is common syndrome for a university president to see the school as an extension of himself. The school is his "child"; it should grow and flourish as an extension of his ego. This type of president will select some aspect of the university and inflate it to outlandish proportions. The favored area may be athletics, the new building program, or the unique type of "education" (= teaching) practiced. If sufficient ballyhoo is generated by his PR men, the alumni and trustees will focus on the ballyhoo and not concern themselves with significant matters.

The administration of the average university is most reticent in revealing information about the budget. Of course, published "Budgets" are available, but these are so organized that one cannot retrieve information. Students and faculty can never learn how much of a rip-off is being perpetrated against the academic segment of the school. I suggest that there is only one reason for concealing how the money is divided.

A great university president will secure the funds that are needed, but not take too large a hand in how these

funds are spent. He should insist on a quality performance by the faculty, he should weed out incompetent sub-administrators with just as much care as he removes weeds from his rose garden, but he should leave details of the academic program in the hands of the deans, the faculty and students.

The most difficult work of a university president will be to promote necessary change, without negative influence. An excellent university, like a fine watch, should not be subjected to gross tinkering. A university, less than excellent, might need a surgical pruning of its less promising areas so that others can blossom. In either case, the president must avoid the appearance of the great destroyer to the faculty or students. No president would enjoy a *sub rosa* *ekename* of Attila the Hun. On the other hand, we cannot tolerate sub-standard departments, or the expenditure of funds in the training of specialists in large numbers where there is no need for them. Our society must have generalists, the true Liberal Arts graduates and specialists in certain fields. Other specialities have died, or should wane, as areas of training.

A university president, together with his deans, should recognize this fact. Just because a department may have a large staff, is no indication that it can contribute significantly to the missions of the university. Some areas should have been flushed years ago, while others must change or they

*"There is no perfect curriculum
or teaching technique"*

will not continue to be worth their salt.

The most significant work of a university president (and often a duty unrecognized) is not to lead the academic charge into the future. The deans will do that with the better faculty. No, the president's most difficult job is to take a position at the rear of his *menage*, where he can force salvageable academic areas to change for the better and quietly bring about the end of hopeless cases. Change is possible in faculty and in the area of their interest. Federal manpower reports have shown that as many as 40% of faculty will "switch" to a field different from that of their doctoral training. As an example, where were the molecular biologists some years ago? Molecular biology sprang to life because this was where the action was. Faculty need only the opportunity to metamorphose, and the metamorphosis is most frequently prevented by lack of funds and too rigid administrative controls.

We can see the blunders preventing progress most obviously in the administrative communication which gives some variant on the theme, "We are short of money this year and so all departments will receive an across-the-board 5% increase." Such a communication is a simple confession that the president, and his aides, are not doing what they were hired to do. Some departments are



deserving of 150% while others should be cut. An historical perspective should also operate with some appreciation of the probable future. An academic area might have been central to the needs of our culture in 1940, but be of little consequence at the present time. The leading faculty are experts in promoting academic evolution, it is the duty of administrators to provide nourishment for viable programs and to bring about the extinction of dinosaurs.

A minor error in logic seems to afflict administrators at all levels. They translate the need for improvement into a constant preoccupation with a search for the perfect curriculum or the magic, specific technique in teaching. A problem arises when some power figure becomes over-zealous in asking the faculty to produce perfection in teaching methods. Just as Ponce de Leon was destined to fail in his search for the fountain, so will any teacher fail who hankers for only a better *method* of teaching. **THERE IS NO PERFECT CURRICULUM OR TEACHING TECHNIQUE.** So long as the faculty *try* to better the method of education, and so long as variety is permitted, what more can one expect? My readers should note that the sciences were the first to employ the following in instruction: audio visual aids, the laboratory class with all of its valuable ramifications, audio-tutorial methods, interdisciplinary techniques

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and computers in the classroom. The most significant improvement in my view, has been the involvement of students at all levels with the research of the faculty.

A specific example of a successful educational effort would be the Biology Department of Bowling Green University. We have worked toward rigorous scholarship, the mastery of tool skills, and the involvement of both students and faculty in professional creativity. Do not underestimate the raw material. Even freshmen students have presented original research at the Ohio Academy of Science meetings. Student research reports are the major attraction at Regional Tri Beta Conferences. Students go with faculty to the meetings of professional societies, and a few students have published their findings in the best journals. Biology instituted undergraduate individual research registrations for credit some eight years ago and has found these to be very effective.

I should also observe that we have no mould for the perfect curriculum or path which all our students must follow. Ancillary courses are taken in math, chemistry, physics and statistics. One of these areas will often strike the fancy of students and they will elect a minor. On the other hand, our students may emphasize sociology, psychology, English, history or a language (some educa-

tion is required in these and the arts). I have noted that certain students want to take a sequence of courses much like that found in German or Japanese schools. Other students do better with a semi-tutorial and personal research orientation. Perhaps it is only significant that we have several methods available to them. Students can participate in seminars each term, and also generally attend the weekly professional seminar presented by the faculty or visiting faculty. This year past, Biology was fortunate to have 25 speakers with 12 of them visiting from other schools. Scientists from Germany, Japan, India and Sweden were included among those from American colleges. Our trading speakers with other schools has had the excellent effect of constant academic rejuvenation of the staff. About half of our faculty have engaged in seminars with other departments in Liberal Arts. Most of the faculty (and therefore the students) are involved in research which transcends departmental lines. Our students help in this research at all levels.

Let me end this catalog of educational methodology (and my discussion) with a characterization of the proper product of a university. Graduates should have the tools they need professionally, they should have experience in solution of problems and in the form of creativity appropriate to their academic training. Most significantly,

they should have had some choice in the method of their education and they should be certain of their competence. A quality education must be available to them so they can leave the school able to meet the challenges of the changing world.

Here, then, is the thesis of my essay, and the message for all those in higher education.

We must involve students in advancing knowledge so they can become the masters of their social organization rather than the tools of society. We have destroyed them if we succeed only in opening their eyes but fail in developing their talents. Theobald Smith has observed, "Research is fundamentally a state of mind involving continual reexamination of the doctrines and axioms upon which current thought and action are based. It is, therefore, critical of existing practices." We should couple such an attitude in our students with the knowledge and skills to effect change. They must be able to improve, to humanize and to advance civilization and the lot of each citizen.

The general *Auto da fe* of education may result in destruction. On the other hand, it can bring us to simple honesty among students, faculty and administration. All of us can have a healthy latitude in the methodology of education and the affirmation of creativity and research. Let us work towards these goals and we can transcend our problems as we move into a modern reformation.



MINNESOTA GRADUATES were invited to attend a special Minnesota Dinner sponsored by the Phoenix chapter of the Minnesota Alumni Association recently. Show with Chef Orby Anderson, center, who prepared the dinner, are Walter Middents '38BSPhm, left, vice president of the chapter, and George Kreutzer '51BSEd, right, president, checking the wine that was used to baste the fresh leg of veal flown in from Minnesota, along with many other foods, for the event.

Minnesota Menu

Social Hour: Bowls of Sunflower Nuts;
 Assorted Mixed Nuts and Cheese from Minnesota
 Individual "Smorgasbord"
 (Herring, turkey, pate of game, apple and beet salads)
 Swedish Lefse
 Roast Leg of Veal with Chablis Baste
 Wild Rice
 Bouquet of Vegetables from the Minnesota Garden
 Breads from the Red River Valley
 Raspberry Almond Mousse with Melba Sauce and Kirsch

MINNESOTA DINNER DRAWS OVATION

The Phoenix chapter of the University of Minnesota Alumni Association was formally organized at a special Minnesota Dinner held at the Beefeaters Restaurant on May 26.

Prior to the event, chapter president George Kreutzer '51BSEd asked for help to plan a dinner made up of Minnesota products. According to Dorothee Polson '49BA, food editor of the *Arizona Republic* and secretary-treasurer of the Phoenix chapter, "Dozens of people phoned him with suggestions, and between their ideas, those of Chef Orby Anderson (an appropriately named gourmet who had never visited Minnesota) and the help of the Minnesota State Department of Agriculture, a marvelous menu was devised."

The chef had many items specially air-freighted from Minnesota, including fresh legs of milk-fed veal, Indian-harvested wild rice from Isle, sunflower nuts from St. Paul, Scandinavian Lefse from Lake Park, corn from LeSeur and blue cheese from Faribault. An especially created raspberry dessert honored the Hopkins Raspberry Festival.

Approximately 137 former Minnesotans paid \$5.50 to attend this successful event and hear Minnesota Alumni Association Executive Director Ed Haislet speak on "The Changing University."

The chef received a standing ovation.



OPENING more of the business of the University Board of Regents to public discussion is among the main goals of the Board's new chairman.

Elmer L. Andersen, governor of Minnesota from 1961 to 1963, was sworn in as chairman of the Regents in June. He was elected to the Board by the 1967 Legislature.

In a recent interview Andersen discussed his plans for the coming year.

"My own instinct is to have public business conducted in a public meeting," he said. "I'm going to move toward having everything as public as it can be."

Andersen is adjusting the Regent's docket to make more use of the open committee meeting structure established by former chairman Lester A. Malkerson.

Under this plan, Regents' business will have been made public in committee discussion the day before final action at the regular monthly Regents' meeting, or even earlier.

"I hope that we can have nothing come up in Board of Regents' meetings which has not been previously discussed by a committee of the Board," Andersen said. "I expect we will see many committee meetings between the monthly meetings as well as the day before."

First in a series on the University's Regents

A VIEW FROM THE TOP:

ELMER L. ANDERSEN

NEW COMMITTEES ESTABLISHED

"Much of my work will be a carrying on of what I think is good that others have done," he said. "I want to do more work through committees and I have established two new committees — one on budget, audit and legislative relationships and the second on public affairs."

Six committees that were set up under Malkerson will be continued. They are the committees on contracts, gifts and grants; educational policy and long-range planning; faculty, staff and student affairs; health sciences; investment, insurance and retirement; and physical plant.

Another policy begun earlier which Andersen deems important is conversion to a new budgeting system.

"Instead of having our legislative requests based on incremental figures, they will be on a zero or absolute entity arrived at by looking at need."

Andersen said that the University can be "more sensitive" to actions which destroy confidence.

"For example, when a legislator asks a question, he's accustomed to getting an answer now. He's not after a 16-page answer six weeks from now. He doesn't want a 16-page discourse; he wants a workable figure."

The Regents "feel the necessity and plan to work more closely with the Legis-

lature," Andersen said. This can be seen in the careful and sensitive way the disputes over a proposed student housing project on Como Avenue are being resolved.

"If you can get all the same facts before responsible people, there shouldn't be too much difference in deciding what the facts dictate. The big job is to be sure everybody is working with the same facts, and the facts need to be related to something people understand so everybody is working with the same frame of reference."

'U' STUDENTS HAVE CHANGED

Andersen noted that the University had changed a lot since he initially saw the institution's budgets as a state senator from 1949 to 1958.

"One way the University has changed is in the student body. There is no question that there is a great social concern and social activism that wasn't there a few years back," he said.

"Some of it has been aberrational expression, but by and large it has been a constructive influence.

"Earlier there was somehow more of an identity with the University by more of the state. The University's proper

emphasis on current social problems has made it seem kind of aloof from those people in Minnesota who don't identify with these problems," he said.

"SCHOOL SPIRIT" HAS GONE

"The old idea of school spirit has changed," Andersen said. "A lot of the old increments of school spirit have gone or are certainly diminished in their influence."

But he added that a recent Minnesota Poll published by the *Minneapolis Tribune* showed that 69 percent of the people of Minnesota have a favorable impression of the University as an educational institution.

"Another thing which is different — from 15 years ago is that the University used to dominate the Minnesota higher educational scene. The state colleges were a weak and neglected element of higher education and the junior colleges were just extensions of local education .

"Now, with the rapid growth of these systems and vocational-technical schools in Minnesota, the state has four strong systems of public post-secondary education and an excellent coordinating agency in the Higher Education Coordinating Commission."

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ANDERSEN

Andersen is board chairman and chief executive officer of the H. B. Fuller Company, St. Paul, and also president of the Bush Foundation, Minnesota's largest philanthropic organization.

A Republican who supported New York Governor Nelson Rockefeller for the 1968 presidential nomination, the 1931 University graduate is also chairman of a commission that secured federal and state support for the Voyageurs National Park to be established in northern Minnesota.

**"COUNTLESS
HUMAN BENEFITS"**

The Regents' new chairman



REGENT ANDERSEN

said that he plans to see the University continue as "one of the few great national universities.

"This means a lot to Min-

nesota in terms of the sheer amount of federal investments in our state as well as countless human benefits to our people," Andersen said.

Minnesota, for example, is doing more than any other medical school in the nation to combat the shortage of doctors, Andersen noted.

"Of the increase in new medical students all over the country next year, seven percent of them will be at the University of Minnesota."

Andersen sees a major problem of large universities relating to individual students.

"One of the greatest challenges is to keep the University personal for a student so that instead of losing his identity, he finds himself and has a sense of growing.

"This is our greatest priority," he said. — Bill Huntzicher, University News Service.

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'71-'72 UNIVERSITY AUSTERITY BUDGET HAS TUITION HIKES

University students will pay from \$25 to \$77 more in tuition each quarter during the 1971-72 school year according to the budget principles approved by the Board of Regents this summer.

Resident undergraduate students will know the lowest tuition increases, while non-resident students in graduate and professional schools will realize the highest.

The Regents' budget policy says that the tuition hikes were built into legislative appropriations bills and should recognize differences in cost among various colleges.

The principles also outline University priorities in the \$275 million 1971-72 budget, an amount which represents an increase of \$26.9 million over 1970-71, but some decreases in University activities because of inflation.

"We do have more dollars, but the rate of increase in dollars is not as rapid as the growth in cost for performing the same functions," the University vice president for finance, planning and operations said.

"Our changing mix of students is another factor. We are changing emphasis from less expensive kinds of education at undergraduate levels to more expensive kinds of education at graduate and professional levels more rapidly than we are changing our basis for financing them," he said.

"For example, while overall enrollment is roughly the same, we have been dropping



enrollment in the College of Liberal Arts where most degrees cost between \$3,000 and \$4,000 in operating funds, while we are adding students in the health sciences where a degree may have operating costs up to \$65,000 or more."

Despite these changing enrollment trends, the Legislature funded the University on about the same staff-student ratio as in the past.

The Regents' budget principles also included retrenchment plans outlined earlier by University President Malcolm Moos in response to legislative cutbacks. The salary base of all departments will be cut 5 percent, administrative offices 6 percent, and the offices of the president and the vice presidents, 10 percent.

The Legislature asked the University to eliminate the equivalent of 75 academic positions and 50 Civil Service positions during the coming year.

Additional retrenchments beyond the amounts required by the Legislature will be made to offset federal cutbacks in funds to land-grant institutions.

The Regents raised tuition \$25 per quarter for undergraduate students in liberal arts, University College, home economics, General College, the College of Education and on the Duluth and Morris campuses. Students in the same fields from outside Minnesota will pay \$57 more each quarter.

Last year a full-time resident student in the above-mentioned areas paid \$133 per quarter. His tuition will now be \$158. And a non-resident student will pay \$437 each quarter.

Undergraduate resident students in forestry, agriculture and biological sciences will pay \$28 more than the earlier fee of \$133 per quarter.
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'71-'72 BUDGET

ter. Non-residents in these fields will add \$63 to the 1970-71 tuition.

Resident students in the School of Business Administration and the paramedical programs in the College of Medical Sciences will pay \$28 more per quarter than the previous \$141 tuition. Non-residents will add \$63 to their fees.

Graduate students from Minnesota will add \$34 to the earlier \$150 quarterly fee, while non-resident graduate and professional students must add \$77 to the previous quarterly fee of \$380.

A differential between resident lower and upper division students in the Institute of Technology has been eliminated. Students in lower division had paid \$133 and in upper division, \$141. Both groups will now pay \$165 per quarter.

Additional tuition hikes are expected during the second year of the biennium.

The Regents also plan to impose special charges for courses involving laboratory experiences because of inflation and a lack of adequate supply and equipment money from the Legislature.

The Board approved a \$1-per-quarter increase in the student activity fee, as requested by Minnesota Student Association (MSA) president Jack Baker, raising that fee from 25 cents to \$1.25. However, they stipulated that the increase was for one year only, that MSA must report back to them on its use of the money, and that no additional future money may be contracted for during the year.

The Regents acknowledged that tuition hikes close educa-



tional opportunities for marginal students, so they reaffirmed "their commitment to special financial aid in the budget plan."

A \$500,000 student aid fund is planned to offset the tuition hikes for students who would be deprived of an education because of the increased cost, Paul Cashman, vice president for student affairs, said.

Some \$400,000 of that amount was specifically appropriated by the Legislature.

Funds appropriated for salary increases will be allotted to colleges and merit increases will be left to the discretion of the individual colleges, the Regents said.

"Attention should be given to the fact that inflation is a regressive phenomenon and therefore places a disproportionate burden on the lower incomes," the Regents said.

"Salary adjustments should be made with this in mind."

Other budget principles include:

Reductions in enrollment projections as outlined by President Moos in response to legislative appropriations bills; Civil Service salary in-

creases comparable to other state offices when they are passed by the Legislature;

"No improvement of the faculty fringe benefit plan";

An increase in the retirement pay of persons already retired "to reflect changes in the cost of living."

TUITION HIKES EXEMPT FROM PRICE FREEZE

Fall quarter tuition increases are exempt from President Nixon's order to freeze wages and prices.

Certain salary increases, set this summer when the Regents passed the tuition hikes and the budget, are in question pending clarification of the freeze order. Some increases which have already gone into effect are not affected by the order.

President Moos issued the following statement on the University's dilemma:

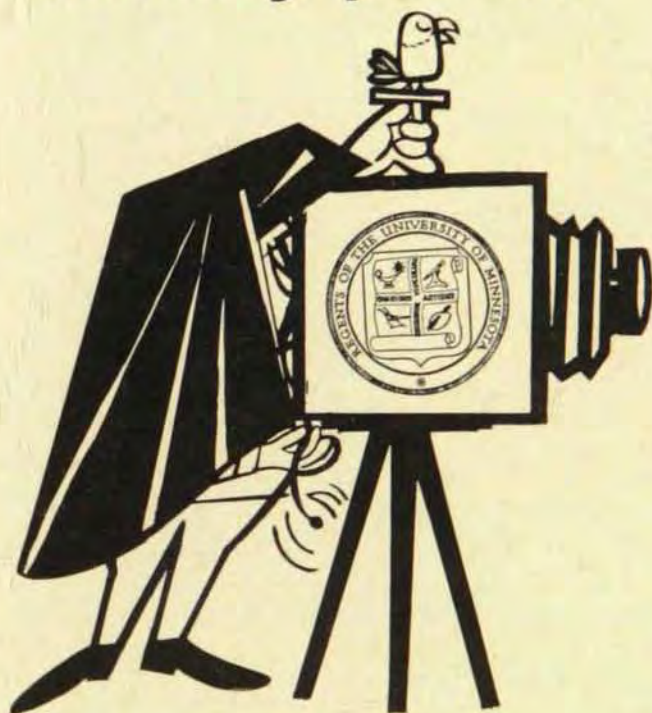
"We do not yet know all of the implications of President Nixon's statement for the University of Minnesota. We are seeking clarifications, and we expect some of them to emerge soon.

"We will continue to charge the new tuition rates established by the Regents, which students are already paying in the University's registration process. The Office of Emergency Preparedness has told us that tuition increases are exempt from the freeze if they have already been announced.

"It does seem clear that parking rates and ticket admissions are included in the freeze. The status of other situations is not yet clear, including some salary increases set by the Regents.

"Considerable consultation will be required within the educational communities of the state and nation. The effects of the federal policy on the University budget could be far-reaching."

faculty profile



JAMES DON EDWARDS, who became dean of the University's School of Business Administration (SBA) in July, says that student interest in business education is increasing.

Contending that "students are our most important product", Edwards said he will work to increase the visibility of the business school to prospective students.

"During the current economic recession, students are returning to business schools as pragmatists. They've found that their liberal arts degrees don't get them jobs so they come back for a professional field.

"But they're returning with an increased social awareness."

Edwards also said that attitudes in the business community are changing.

"Corporations as never before are recognizing their

political and social responsibilities, although they may not be satisfied with certain timetables."

The new dean and C. Arthur Williams, who had been acting SBA dean for the past year, were interviewed recently in their Business Administration tower offices on the University's West Bank campus.

Williams pointed out that several members of the SBA faculty have volunteered to work with the student-controlled Minnesota Public Interest Research Group (MPIRG), a consumer protection group inspired by Ralph Nader, and partially funded by University students through their incidental fees.

Edwards said that business education has experienced "dramatic and fundamental" changes during the past 10 years.

"A great impact has been

made by the increased use of mathematics, statistics, computers and new technology as tools of analysis in corporate decision-making processes.

"The second substantial change has been the integration and utilization of behavioral sciences into our curriculum," he said. "There is an increased utilization of behavioral techniques as they relate to organization and human behavior."

Edwards, who was chairman of Michigan State University's department of accounting and financial administration, has served on advisory commissions for four Michigan governors.

He listed the major contribution of one commission, Total Research for Improved Management (TRIM), as the establishment of an in-house consulting firm to work with state agencies in problem-

(Continued on page 38)

dave shama's gopher tales



AS popular singer Bob Dylan says, "The times they are a changing." Even the most traditional and conservative of our institutions are experiencing change. The army and athletics, which share many of the same values, have, for example, recently been under attack.

Lest anyone fear that the University of Minnesota is being left out of these stormy times, let them be assured that it is not. It has been suggested many times, in fact demanded, that the University drop ROTC from the campus and, as of late, some students have been asking more than a few penetrating questions about the structure of the University Athletic department.

Call them student activists, or jock activists, they are not happy with the nature of intercollegiate athletics at Minnesota. Most of these critics are members of one or more of Minnesota's 20 sports clubs.

In 1957 an Air Force veteran named Mike Smith started a judo club at the University. Since that time 19 other clubs, including rugby, crew, fencing, soccer, white water canoeing, boxing, springboard diving, shito-ryu karate, volleyball, yoga, skydiving, archery, water polo, scuba, self-defense karate, tennis, and figure and speed skating have been added.

The boom in sports clubs

has taken no one by surprise. These clubs are extremely popular in all parts of the United States and Europe, and in some schools they have even replaced varsity athletics.

University Intramural Director C. E. Mueller sees the sports club trend continuing to grow.

"The attitude of young people today is much different than it was even 10 years ago," Mueller said. "A great many young people are not satisfied being spectators when it comes to athletics. They want to get out and do.

"They feel no great pressure to be like anyone else. This means that they will try different sports and are not hung up with winning and losing. Participation is their main objective when it comes to athletics.

"Sports clubs have come about at Minnesota and all over the nation because varsity athletic departments haven't been able to accommodate the wide range of sports young people want to participate in. Also, many have chosen club sports because they provide the best of two worlds between intramurals and varsity athletics.

"Sports clubs allow participation against outside opponents, yet they are not as time consuming as varsity athletics."

Some of the clubs want varsity status and all want athletic department financing. Currently they are almost self supporting, and even though they are under the jurisdiction of the Intramural department the clubs consider the Athletic department to be the most likely source of funds.

The Intramural department has an annual budget of \$189,000 through the intramural fee. Mueller said that this money must be spent on intramurals and that none of it can go toward club sports.

"There are some 23,000 people on campus who benefit from intramurals and it wouldn't be fair to take money which was intended for their benefit and spend it on the some 600 sports clubs participants," he said.

Annually Mueller asks for money from the University central administration for the clubs, but his request has always been turned down.

"About all we have been able to do for the clubs is give them a ball or two, a few uniforms, some facilities, secretarial help and advice," Mueller said.

"I'm afraid that even though sports clubs are under our jurisdiction, we don't do much more than serve as a catalyst. What money the clubs have they raise themselves."

Sports club members are eyeing the Athletic department's annual budget of \$1.8 million dollars — a budget divided among 11 varsity sports involving about 600 athletes.

The sports club members think that they should have part of the pie. They ask, "Why should karate not get any money and gymnastics several thousands of dollars?"

They point out that sports clubs at the University play regularly scheduled games against other colleges, private and community club teams. They also have coaches (volunteers), some uniforms and observe training rules.

Mueller suggests that by reducing non-revenue sports (all but football, basketball and hockey) to club sports, or by elevating club sports to varsity status and dividing the money equally, the clubs can be satisfied.

"What the clubs are saying is that their athletic experience isn't really that much different or less important than the current varsity sports," Muel-

ler said. "So why can't they get financial support from the athletic department?"

Athletic Director Marsh Ryman is disturbed with Mueller's budget suggestion. He defends the current varsity sports choices as being the most popular in Minnesota's secondary school system.

Ryman says he would like to have some of the club sports as varsity sports, but that it can't be done without draining funds from an already troubled budget.

In recent years the Athletic department has found itself operating between \$100,000 and 200,000 in the red annually. Cutbacks in various areas of department operations have been made.

Ryman doesn't minimize the importance of sports clubs in providing a worthwhile experience for students, but he says that as long as his department is dependent on funds from admissions, gate receipts, radio and television fees, advertising and rentals there is going to be a financial squeeze.

An understandable uneasiness exists among Minnesota's non-revenue sports coaches — cross country, track, wrestling, gymnastics, swimming, baseball, golf and tennis — about a "marriage" with club sports. They are afraid they will lose their jobs.

Mueller says that this wouldn't have to happen. He says that a coach could work in more than one sport.

There also is some concern that the level of excellence would drop off in all sports if non-revenue sports and club sports were on the same plane.

"It would be fine if every college track team in the country decided to be a club, too," track coach Roy Griak said.

Some people, however, like
(Continued on page 38)

MEET YOUR NEW CONSTITUENT PRESIDENTS



ERNEST LARSEN

EDUCATION

Ernest A. Larsen '58BS-AgEd, Anoka, president of the College of Education Alumni Association, is currently supervisor of agriculture and business occupations at the Technical Education Center in Anoka, Minnesota. He earlier managed a retail farm supply business for six years, and taught for four years in Cambridge, Minnesota and for one year in Little Falls, Minnesota. Larsen served nine years in the active military reserve, attaining the rank of captain. He was enrolled in ROTC while at the University. Larsen and his wife have four children.



DAVID BRINK

CLA

David R. Brink '40BA '41BSL '47LLB, Wayzata, president of the College of Liberal Arts & University College Alumni Association, practices law in Minneapolis as a partner of Dorsey, Marquart, Windhorst, West & Halladay. He has been active and has held various offices and board or committee assignments in the Hennepin County, State and American Bar Associations, and has worked with the University Law School's Center for Continuation of Studies in continuing legal education programs. Brink writes and speaks on estate planning, taxation and other legal subjects. He and his wife, Mary Wangenstein Brink '47BA, are both children of Minnesota faculty members.



WILLIAM McREAVY

MORTUARY SCIENCE

William L. "Bill" McReavy '52AMS is president of the Washburn McReavy Funeral Chapels, a pioneer Minneapolis organization which operates three chapels in the city. Bill carries memberships in the Mount Carmel Lutheran Church, Minneapolis Business Forum, East Side Optimist Club, Riser's Breakfast Club, Cataract and Arcana Masonic Lodges, Darius Commandery of the Knights Templar, Scottish Rite and Zurah Temple of the Shrine. He and his wife, Kathleen, and four children live in St. Anthony Village, Minnesota.



LEON CARR

JOURNALISM

Leon Carr '51BAJourn has been with Minnesota Mining & Manufacturing Company's public relations department for 10 years, currently as senior staff publicist. Following graduation from Minnesota, Leon worked for the St. Cloud (Minn.) *Daily Times*, the Associated Press in its Sioux Falls and Pierre, South Dakota bureaus and for the St. Paul *Dispatch & Pioneer Press* as wire editor. He was editor of the *Minnesota Daily* during his senior year at the University. Leon and his wife Donnie, also a '51 journalism graduate, have one son.



ROD SCHUMACHER

AG, FORESTRY & HOME EC

Rodney B. Schumacher '48BSFor has worked in sales for the past 23 year for the Masonite Corporation of Bloomington, Minnesota. He, his wife and four children — three girls and a boy — live in Arden Hills, Minnesota, on Lake Josephine.

M CLUB

St. Paul native Bruce N. Telander '56BBA is vice president of the Insurance Agency of Cobb-Strecker-Dunphy & Zimmermann, Inc., Minneapolis. While attending the University he lettered in hockey. Telander resides with his wife Barbara, a 1957 Minnesota graduate, and their three daughters at Middle Road, Inver Grove Heights, Minnesota.

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St. Paul, Minnesota 55114

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THE ALUMNI

ALUMNAE WILL HONOR OUTSTANDING PLANNER-LAWYER

Maxine Kurtz '42BA, both a planner and a lawyer who is currently technical director of the Denver (Colo.) Model City Program, will receive the University's Outstanding Achievement Award at the Minnesota Alumnae Club's Annual Luncheon scheduled for the Town & Country Club, St. Paul, on October 9. Barbara Stuhler '52MA, associate director of the Minnesota World Affairs Center and a member of the Minnesota Alumni Association board of directors, will make the presentation.

Miss Kurtz joined the Denver Model City Program in 1967. Previously she had served as head of research and of the special projects division of the Denver Planning Office which she founded. And earlier she had worked as a research analyst for the Tri County Regional Planning Commission.

She has served two terms as secretary-treasurer of the American Institute of Planners, a 5200-member organization of professional urban planners. Miss Kurtz received her MS degree in government management and LLB from the University of Denver, and is a member of the Colorado and American Bar Associations.

She is the author of 20 articles and one book, and sometimes serves as a part-time instructor at the University of Denver College of Law.

Gladys Sinclair Brooks '36BA, Minneapolis alder-



MAXINE KURTZ

woman for the 11th Ward, will be guest speaker for the October 9 event, speaking on "City Planning for the Metropolitan Area."

Reservations for the Annual Alumnae Luncheon, which begins at 1:00 p.m., can be made at \$4.50 per person, by contacting the Minnesota Alumnae Club at 2610 University Avenue, University of Minnesota, St. Paul 55114, or telephoning 373-2466.

SOCIAL WORK PLANS OCTOBER ANNUAL

The School of Social Work Alumni Association will hold

its 1971 Annual Meeting on Friday, October 29, at the Radisson South Hotel, Minneapolis. A social hour will precede a 7 p.m. dinner.

During the evening's program, Arthur Radcliffe '58BA, St. Paul, will receive the Social Work Alumnus of the Year award.

Further information on the Annual Meeting can be obtained by contacting the Social Work Alumni Association, University of Minnesota, 2610 University Avenue, St. Paul, Minn. 55114, or telephoning 373-2466.

DENTAL HYGIENE TO HOLD FIFTH ANNUAL

The Dental Hygiene Alumnae Association will hold its Fifth Annual Meeting & Banquet on Tuesday, October 19, in the Campus Club on the fourth floor of Coffman Memorial Union, University of Minnesota Minneapolis campus.

A social hour will open the event at 6:30 p.m., followed by dinner at 7:00 p.m.

Miriam Olson '51GDH, mistress of ceremonies for the evening, will introduce University staff members and distinguished guests. Special recognition will be given to the Classes of 1946, 1961 and 1966.

Reservations, at \$6.50 per person, can be made by contacting the Dental Hygiene

Alumnae Association, University of Minnesota, 2610 University Avenue, St. Paul, Minn. 55114, telephone 373-2466.

DETROIT WOMEN NAME OFFICERS

The Detroit Area University of Minnesota Women's Club elected the following officers at its June Annual Meeting and Potluck Luncheon: Mrs. Harold Rosen, president; Mrs. G. E. Graves, vice president; Mrs. E. L. Koester, second vice president; Mrs. Harold Nielson, secretary; Debra Turner, corresponding secretary; Mrs. Arthur Burgott, treasurer; Mrs. John Schawer, assistant treasurer; and board members, Mrs. Donald Constans and Mrs. George L. Turner.

The group saw a year of well-planned and well-attended meetings and a steadily increasing membership. The Club again donated \$300 to the University of Minnesota Scholarship Fund.

1971 GOPHER FOOTBALL SCHEDULE

Games at home

Sept. 11—Indiana
Sept. 25—Wash. State
(Band Day)
Oct. 2—Kansas
(LEB Day)
Oct. 23—Michigan
(Homecoming)
Oct. 30—Ohio State
(Lettermen's Day)
Nov. 20—Wisconsin
(Dad's Day)

Games away

Sept 18—Nebraska
Oct. 9—Purdue
Oct. 16—Iowa
Nov. 6—Northwestern
(Regional Television)
Nov. 13—Michigan St.

MEDICAL ALUMNI PLAN THREE-DAY PROGRAM AND ANNUAL MEETING

The University of Minnesota Medical Alumni Association will open a three-day program and annual meeting event on Thursday, October 21.

Registration for Thursday's activities begins at 11:30 a.m. in the lounge of Nolte Center for Continuing Education, Minneapolis campus. The \$5 registration fee includes a noon luncheon at which Henry Quist '43MD, president of the Medical Alumni Association, and Mead Cavert, associate dean and executive officer of the Minnesota Medical School, will speak.

A full afternoon of refresher courses on financial planning follows the luncheon, and includes such topics as "Estate Planning" and "Retirement Plans."

Friday's activities open with registration and a continental breakfast in the Indian Suite of the St. Paul Hilton Hotel at 8:30 a.m. Tickets for the event cost \$2.25 per person. Following breakfast, buses will take alumni and their wives to the University of Minnesota Hospitals for a tour of the Health Sciences Center and Medical School.

At noon on October 22, alumni are invited to a luncheon in Mayo Auditorium, hosted by the Medical School. After a welcome by Dr. Lyle French, University vice president for Health Sciences Affairs, they will hear the first Wesley W. Spink lecture on comparative medicine — "The Biology of Influenza," delivered by Dr. W. I. B. Beveridge, professor of animal pathology at the University of Cambridge School of Veterinary Medicine.

A special Wives Luncheon will take place in Coffman Union with University Regent LoAnne Thrane as guest



DR. GRANT



DR. BERNSTEIN

speaker. Cost of the Wives Luncheon is \$2.75 per person.

Following luncheon, presentations will be made in Diehl Hall on the Medical School's curriculum and programs, as well as comments by recently appointed Medical School department heads. Members of the 1941, 1946, 1951, 1956 and 1961 Reunion Classes will also speak at this time.

(Continued on page 34)

alumni news

THE ALUMNI

The evening's program will open with a social hour, beginning at 6:30 p.m., in the Minnesota West Room of the St. Paul Hilton, followed by dinner, entertainment and dancing to the Hal Garven Orchestra, beginning at 8:00 p.m. Tickets for this event are \$12.50 per person.

The Friday night program will be highlighted by the presentation of Diehl Awards to two distinguished University graduates — Dr. William C. Bernstein '28MD, clinical professor of surgery at the University of Minnesota, and Dr. J. C. Grant '38BA '42MB '43MD, a private practitioner in Sauk Centre, Minnesota.

Dr. Grant, who is on the staff of Sauk Centre's St. Michael's Hospital, has practiced in that city since 1944. He is a member of the Stearns-Benton County Medical Society, the Minnesota and American Medical Associations, and a charter member of the Minnesota chapter of the American Society of General Practitioners.

Music is number one for him in the hobby department. He has been organist and choirmaster at the Church of the Good Samaritan for the last 20 years and has rebuilt about 10 pipe organs over the years. In addition, Dr. Grant is editor of the book, "The Episcopal Choirmaster's Handbook," which is published annually for churches all over the nation.

A brunch at the Hilton's Don the Beachcomber's, at \$5.00 per person, opens the Saturday activities at 10:00 a.m. And in the early after-

noon, buses will take alumni and their guests to Memorial Stadium for the Minnesota-Michigan Homcoming game. Tickets for the game cost \$6.50 per person.

Reservations for the three days' events can be made by contacting the Medical Alumni Association at 2610 University Avenue, St. Paul 55114, telephone 373-2466.

PORTLAND DOCTOR HEADS ALUMNI GROUP

Dr. Troy G. Rollins '45BS '46MB '48MD '58MS, president of the Portland, Oregon Minnesota Alumni club, practices dermatology with a multi-specialty group — The Portland Clinic. He is also an assistant professor of derma-



DR. ROLLINS

tology at the University of Oregon Medical School in Portland. Dr. Rollins did post-graduate study from 1955 to 1959 at the Mayo Graduate School of Medicine. He and his wife have three children.

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THE UNIVERSITY

HEW TEAM TO EXAMINE EQUAL EMPLOYMENT AT MINNESOTA

A team from the Department of Health, Education and Welfare (HEW) will visit the University this month to examine how the institution is meeting federal equal employment regulations.

"We've been notified that a review team from HEW's regional offices in Chicago will arrive in late September for an unspecified period of time and will plan to concentrate on the question of sex discrimination," according to Eugene Eidenberg, assistant vice president for administration and University equal opportunity officer.

As a recipient of federal funds, the University is required to meet federal standards by offering equal employment opportunity to anyone, regardless of race, creed, national origin or sex.

The regional HEW office has informed Eidenberg that it will look into recruitment, hiring, placement, upgrading and promotion procedures at the University. The team also will investigate two specific charges of discrimination received by HEW, one a class action suit filed against several universities and the other an individual complaint.

The primary interest of a compliance review team, according to Eidenberg, is in whether an institution has a reasonable program designed to end conscious or unconscious patterns of discrimination and "whether you're working hard at it."

"I think it's clear we do have inequities and imbalances as

regards race and sex," he said.

"We're not perfect, but I think we have a strong story to tell."

Because of the University's stringent regulations against revealing information in its personnel files, several kinds of information requested by



ERRATUM

University of Minnesota Regent Daniel C. Gainey was erroneously reported to be a "former regent" in the 1971 June issue of *The University of Minnesota Alumni News*. Mr. Gainey is still very much a regent of the University — and a continuous asset to the Board. We apologize for our error.

HEW could not be provided.

"We had a problem here," Eidenberg said. "As a result of our experience with military intelligence operations on campus we have developed mechanisms to protect all personal files at the University."

Instead of providing HEW with computer printouts listing every employe by name with information on his age, race, sex and employment situation, the University will code the information so no names are necessary.

If the compliance team requests to see a specific file it will be opened only with the written permission of the employe in question.

It would also violate University regulations to comply with HEW's request for a list of all academic personnel terminations with names, race, sex — and reason for termination.

"All we can do is show them what steps are taken before a termination and they'll decide if the process gives adequate protection," said Eidenberg.

He noted that the review is being undertaken as part of the regional office's regular responsibility to investigate recipients of federal contracts, and was not prompted by complaints.

"We're looking forward to the review as objective criticism — in no way is this regarded as a threat," Eidenberg said.

"We'll find out what we're doing right and what we need to work harder on."

MICHIGAN OFFICIAL NAMED NEW VP

James F. Brinkerhoff, associate vice president and director of business operations at the University of Michigan, has been selected by the Board of Regents to become University of Minnesota vice president for finance, planning and operations.

Upon formal approval this month, Brinkerhoff will assume the \$40,000-a-year position vacated by Hale Champion, who became financial vice president at Harvard University on August 1.

At Minnesota Brinkerhoff will be chief financial officer of an annual budget of about \$275 million, and oversee the business office, physical planning, budgeting, endowments, investments and such support services as housing, bookstores and pollution control.

Other activities under him will include plant expansion, plant operations and maintenance, the university-owned airport, purchasing and stores.

At Michigan he has been director of business operations since 1967. His title was expanded last year when his duties were changed to emphasize responsibility for security, labor relations, personnel and related areas.

He went to the University of Michigan in 1962 as director of plant extension, a position in which he was responsible for planning and construction of new facilities.

He was a founding member and is currently vice chairman of the board of Chemotronics International, Inc., a small research and development firm located in Ann Arbor, Michigan.

He had been director of industrial relations, vice president and manufacturing manager of Argus Cameras, Inc., previously.

The importance of a **WILL**

A will is the basic instrument of any estate planning. Without a will, the individual loses all control over the distribution of his estate. May we suggest that your will is a useful and fitting vehicle for benefiting your Alma Mater.

A bequest to the University of Minnesota Alumni Fund provides an unusual opportunity for investing in the future of the University and the state which it serves. There is also the opportunity to create a memorial so that a person can be remembered to posterity.

You may also promote excellence at the University of Minnesota with gifts of cash, property, securities, bargain or donative sales, life insurance agreements, gifts of current income and gifts of insurance.

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



UNIVERSITY OF MINNESOTA ALUMNI FUND

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Please send detailed information on how to make a gift or bequest to the University of Minnesota ALUMNI FUND.

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Class and College _____

VARIETY OF NEW DEGREES APPROVED

Among the new degree programs recently approved by the Board of Regents, seven will be available at the University of Minnesota Technical College in Waseca this fall.

The college will grant two-year Associate in Applied Science degrees.

The Regents also approved a new professional degree for the College of Health Sciences — a doctor of pharmacy degree to train potential members of a family health care team. The degree will make the University one of the few institutions in the nation to provide clinical pharmacologists who are specialists in the use of drugs.

A program in special learning disabilities as a related field for the MA in education from the University in Duluth is also now available.

The seven areas of study approved for Waseca are animal technology, home and family services, agricultural business, agricultural production, horticultural technology, agricultural industries and services, and food technology.

The Technical College will be the first public school in the state to provide training for para-professional people to assist veterinarians. The American Veterinary Medical Association has said that veterinarians spend about 65 percent of their time doing tasks that could be performed by such lesser-trained but skilled technicians.

THE UNIVERSITY

The home and family services program is designed to provide training for farm women and girls as household managers and to work with technicians who would provide services to rural families.

The other degrees will supply semi-professional, middle management people for Minnesota farms and industries that are based on agriculture.

SPINK HONORED



Dr. Wesley W. Spink, University Regents' Professor of Medicine and Comparative Medicine, has been elected an honorary member of the American Veterinary Medical Association.

The doctor received this distinctive recognition as a tribute to his work and accomplishments in comparative medicine with emphasis on diseases of animals transmissible to man.

Dr. Spink, a member of the University faculty since 1937, has had a long interest in such transmissible diseases, especially brucellosis. He is the author of the book, *The*

Nature of Brucellosis, and has served as a World Health Organization consultant on brucellosis for many countries.

He has gained international recognition for his work in

infectious diseases and pioneered the introduction of sulfonamides and antibiotics

Dr. Spink holds a joint appointment in the University's Colleges of Medical Sciences and Veterinary Medicine.

UNIVERSITY TWIN CITIES CAMPUS CALENDAR

EXHIBITIONS

University Gallery, Northrop Auditorium; Monday through Friday, 11 a.m. to 4 p.m.; Sunday, 2 to 5 p.m.

Sept. 15-Oct. 31 — Storyville portraits by Eugene Bellocq
Sept. 15-Oct. 31 — Recent accessions to the collection
Wilson Gallery, 472 Wilson Library; Monday through Friday, 8 a.m. to 5 p.m.

Through September — "August Strindberg: The Shakespeare of Sweden"

St. Paul Student Center Galleries, Student Center; Monday through Friday, 7 a.m. to 10 p.m.

Through September — Effie Bornhoft collection of wildflower watercolors, North Star Gallery

JAMES FORD BELL MUSEUM OF NATURAL HISTORY

Museum (including Touch and See Room) open without charge, Monday through Saturday, 9 a.m. to 5 p.m.; Wednesdays, 9 a.m. to 9 p.m.; Sunday, 2 to 5 p.m. By reservation, guides can be made available to groups of 15 or more.

LANDSCAPE ARBORETUM

Four miles west of Chanhassen on Highway 5. Open to the public every day, 8 a.m. to 8 p.m.; \$1 per car (for non-members).

Tours available by reservation.
Hiking Tours, Ordway parking lot
Sept. 11, 18, and 25 — 9 and 11 a.m.

UNIVERSITY BROADCASTS

An educational service of the General Extension Division
Radio KUOM, 770 on the dial

10:30 a.m. M-F — Your Novel
11 a.m. M-F — Highlights in Homemaking

11:15 a.m. M — Music for the Keyboard; W — Lecture; F — Music for the Voice

12 noon M-Sat — Midday News
12:15 p.m. Sat — BBC World Report

12:30 p.m. M-F — University Farm Hour; Sat — Best of the Week

1 p.m. — M, W, F — Public Affairs; Sat — Talking About Music

1:15 p.m. Th — Editorial Review

1:30 p.m. Sat — Artists and Archives

2 p.m. M-F — Afternoon Concert; Sat — The Saturday Show

4 p.m. M-F — All Things Considered

5 p.m. Sat — Folk Music on a Saturday Night

5:30 p.m. M-F — News

6 p.m. M-F — Ecos en Español; Sat — The Irish Tradition

6:30 p.m. T — The Goon Show; W — Wednesday Night at the Opera; F — Bernard Gabriel Interviews

7 p.m. M — BBC World Theatre; T, Th — Evening Concert; F — Music at Minnesota

University Television Hour, KTCA-TV (Ch. 2), through Sept. 13

9 p.m. Th — Yard 'n' Garden

9:30 p.m. M — Public Policy Panels; W — TV Workshop; Th — Town and Country

GOPHER TALES

former tennis coach Joe Walsh, think we have confused overemphasis with excellence. He believes athletic teams should be restricted to playing in their own areas, not to be highly recruited and to have more control over themselves.

Such is the situation in club sports today, but not in non-revenue sports.

The subject of sports clubs is not one which has drawn University attention only recently. An ad hoc committee of the Twin Cities Campus Assembly committee on intercollegiate athletics was commissioned two years ago to conduct a study of criteria for granting varsity status to sports clubs.

Among the criterion listed were (1) availability of money within the Athletic Department; (2) the number of participating Minnesota high schools in the sport; (3) interest in the sport at the University; (4) interest in the sport within the Big Ten and at neighboring schools.

Obviously many club sports can answer the above criteria save for the first.

Purdue and Wisconsin are two Big Ten schools which have found the necessary financing and moved some sports clubs to varsity status, or at least aided their programs. Former University of Minnesota football player Milt Bruhn was recently named director of club sports at Wisconsin.

Minnesota sports club members think it is time something is done for them. Some claim that if the University only would aid in traveling money it would ease their situation.

Most sports club members travel to meets as far away as Manhattan, Kansas, and Champaign, Illinois, by car. Often they arrive only a few hours before the meet after an all-night drive. Sometimes they are given food and lodging by the host team, but other times grab what they can to eat and sleep in their cars.

"If we could just get some money we would be excellent representatives of the University," they claim.

Mueller says that perhaps the only way the sports clubs will get someone to answer their plea for funds is to form

a Club Sports Association.

"We ought to take a good look at sports programming here because if we don't I think the students eventually will bring certain pressure to the front," Muelle said.

PROFILE

solving and establishing financial priorities.

Edwards was chairman of TRIM.

The dean said that he also hopes to increase the visibility of the business school to the Minnesota business community.

"It is essential for a business school to be relevant to the business community."

He said that education should be a "life-long career" for business executives. The University currently works with executives through such programs as the Minnesota Executives Program — workshops for faculty and corporate leaders at which they discuss such issues as changing life styles, consumer trends and corporate responsibility.

A certified public accountant in Michigan and Texas, the new dean is the president of the 150,000-member American Accounting Association whose annual meeting was recently held at the University of Kentucky in Lexington.

He is the author or co-author of 10 books and more than 30 articles in the field of accounting.

Edwards holds a PhD in business administration and accounting from the University of Texas, an MBA from the University of Denver, and his BS from Louisiana State University.

Minnesota Playing Cards

This quality double deck set of playing cards should be in every alumni home or traveling kit. University of Minnesota Regents Seal design — in maroon on white backs and gold on maroon backs. Maroon and gold box also has seal design on front. Give several decks this year. Members \$2.25 each postpaid; non-members \$3.00 each.



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40 - 44	20,000	36.00
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* Higher amounts of insurance are available in Double Basic Plan and Basic Plan plus Survivors Security. Optional family coverage also available. Write for information.

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3. Send no money now . . . you will be notified of the approval of your application and will receive your first billing from the administrator.

• **You Are Eligible** . . . if you are a member of the MAA, under age 60, and are either actively employed or are an unemployed housewife. Coverage for residents of Texas, Ohio, New Jersey, Wisconsin not available at this time.

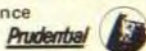
• **Generally No Physical Exam** . . . usually only the short statement of health on the enrollment form is necessary.

• **Beneficiary** . . . you name your own beneficiary, which you may change at any time. Special beneficiary arrangements can be made to fit your own requirements.

• **No Premium to Pay While Disabled** . . . if you become totally disabled as defined in the contract before age 60, your life insurance premiums are waived and insurance remains in force while you remain so disabled.

• **You May Change** . . . to a permanent policy which builds cash values for retirement. When you terminate membership in MAA, when you reach age 75, or when any insurance terminates because of a change in age beyond age 60, you may convert the amount of group life insurance which terminates to any individual policy of life insurance then being issued by the insurance company other than term insurance or any policy containing disability or other supplementary benefits.

Minnesota Alumni Association Group Life Insurance ENROLLMENT FORM



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Coverage for residents of New Jersey, Ohio, Texas and Wisconsin is not available at this time.

BENEFICIARY DESIGNATION FOR MY INSURANCE

If no beneficiary is designated by you, the policy provides that proceeds shall be payable in the following order of priority: To your spouse, if living, otherwise to your then living lawful bodily and legally-adopted child or children, equally if more than one; if none, to your parents in equal shares, or the survivor; if none, to your brothers and sisters; if none, to the executors or administrators of your estate.

Name of Beneficiary _____ Relationship _____

Address _____ City and State _____

C. Schedule of benefits \$20,000

D. Member: Date of Birth _____ Sex _____ Height _____ Weight _____

Year graduated from University _____ YES NO

1. Have you ever been rated, declined, postponed or limited for any type of insurance for any reason? YES NO
2. Have you ever been told or had reason to suspect that you had: Heart Trouble; High Blood Pressure; Albumin, Pus or Sugar in Urine; Cancer or Tumor; Nervous Disorder; Epilepsy; Tuberculosis; Ulcer or Lung Disorder? YES NO
3. Within the last five years have you been confined by any illness or injury, or has a surgical operation been performed or is one anticipated? YES NO
4. To the best of your knowledge, is your state of health good? YES NO
5. If answers to Items 1, 2 or 3 are "Yes", give dates and details. If answer to Item 4 is "No", explain. (Use additional page, if necessary.) YES NO

Date _____ Reason for Treatment _____ Results _____

I hereby apply for group life insurance provided by The Minnesota Alumni Association Group Life Insurance Program underwritten by The Prudential Insurance Company of America. As a member in good standing, I understand that any and all dividends declared under the above group policy shall become the property of The Minnesota Alumni Association. I represent that each of the above answers is complete and true, and that they shall be the basis of the issuance by the Company of any group life insurance pursuant to this application.

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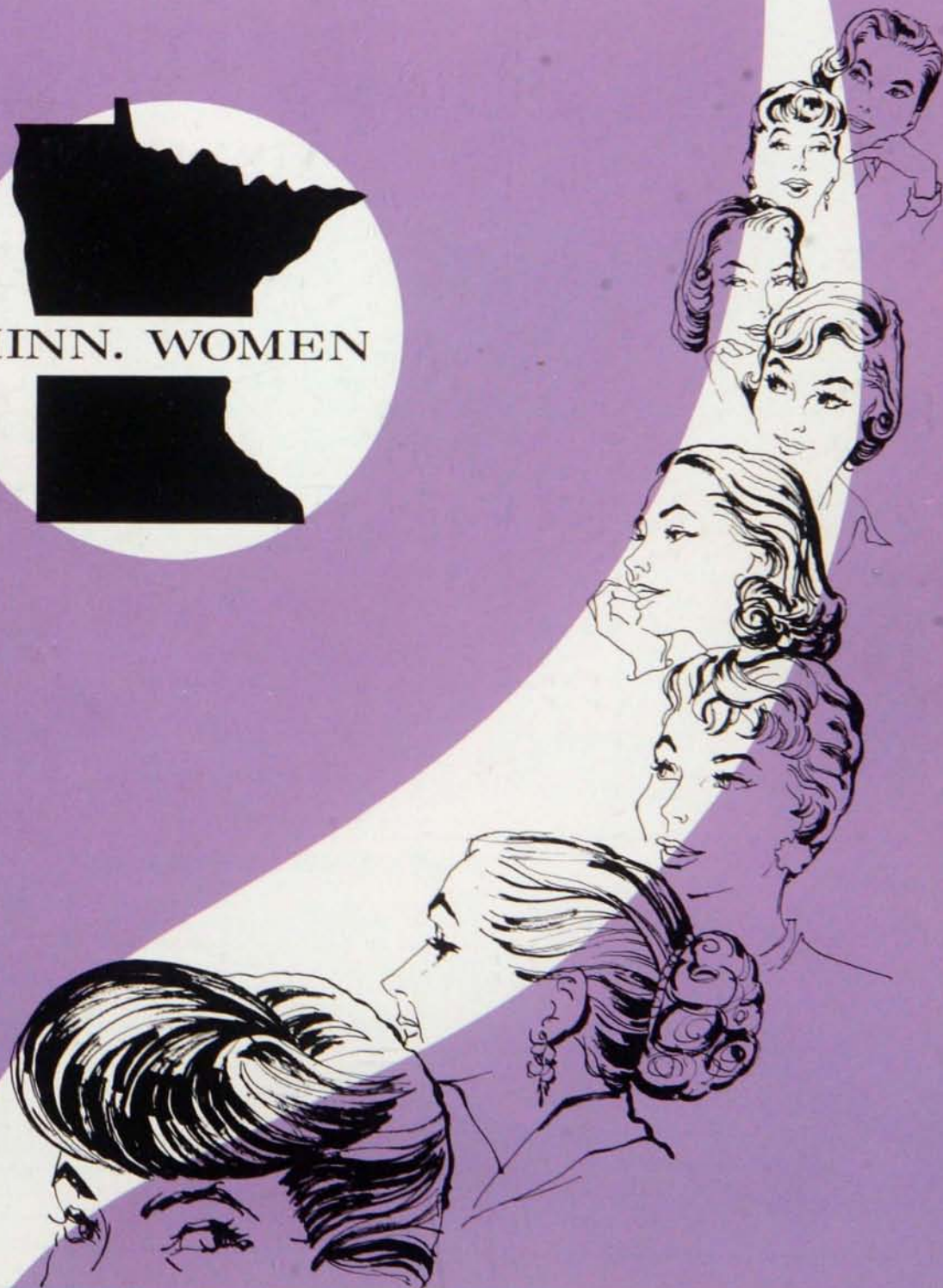
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1971 OCTOBER

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UNIVERSITY OF MINNESOTA



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alumni news

UNIVERSITY OF MINNESOTA

OCTOBER 1971

VOL. 71, NO. 2

in this issue

THE COVER FEATURE is the first in a series of features on Minnesota women that will appear throughout the 1971-72 publication year. Dr. Jessie Bernard, eminent sociologist, researcher, teacher and feminist, has contributed the first installment of the series, "One Alumna's Story." The issue is also filled with news of a growing University and its alumni.

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University of Minnesota . . .

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ALUMNI REACTION

FAITH TO HELP ME FINISH SCHOOL

Upon returning from a bike trip three weeks ago, I found a letter waiting for me from the University's Financial Aid Office. Anxiously, I ripped open the envelope and read its contents. Relieved and excited by what I read, I jumped up and down, shouting "a scholarship!" to everyone around me (namely one person - my girlfriend).

My name is Lawrence M. Espe (pronounced S-P) and, as if you haven't already guessed, this is a letter of acknowledgment and appreciation of the scholarship I received. To put my conscience at rest, I want you to know that this is approximately my tenth attempt at writing this letter in the past three weeks - none of my earlier letters seemed to say what I wanted them to say so I had to start over on a new one. With my confession out of the way, I'll tell you a little about myself.

Born and raised in beautiful Northeast Minneapolis, I attended Edison High School, graduating fifth out of five hundred and twenty-five students in 1968. Although proudest of being captain of the wrestling team (ironically, the only "B" I received was in Physical Education), at Edison I also participated in football, tennis, student council, National Honor Society and German Club (in addition to working after school). Among the awards I received at graduation was the First National Bank Award, ranked third among the "Edisonian" honors.

In the fall of 1968 I entered the University's Institute of Technology, majoring in mathematics and computer science. Scholastically, in my first three years in IT, I made the Dean's list every quarter except for one, accumulating a 3.88 GPA (a 4.0 GPA over the last two years). Because of my rank in IT, I was selected to be an IT tutor for the coming school year. With my work in

computer science, I was able to get a job with IBM last summer as a computer operator and with Univac this summer as a computer programmer.

In regards to my future, I will graduate from IT this year, but in order to receive a double major in math and CICS, I will have to take twenty credits per quarter. (Alas!) Upon graduation I can either go to work for IBM or Univac, both of whom have already offered me full-time jobs, or I can go on to graduate school directly. At the present I am quite undecided as to what I'll do in regards to work or school or, if school, what field - I'm interested in mathematics, computers, business and education. At any rate I have six months to decide.

It is hard to describe exactly how grateful I am to receive this scholarship. First, my parents' policy on my education is that, although they let me live at home rent-free, I must pay for all other college costs on my own. Naturally, any external revenue in addition to what I earn is greatly appreciated - especially since I can then work less and study more. Second, last November I was laid off by IBM, and shortly after that I broke my leg (playing football in the snow). Since I didn't land my job at Univac until middle summer, I was in dire financial straits - thus, it was with great relief that I received notice of the scholarship.

Finally, no reward is as great to me as is having the confidence of someone backing me; i.e., even though my accomplishments reward me, they don't compare to the knowledge that I have a sponsor with the faith in me to help me finish school . . .

Lawrence M. Espe
Minneapolis, Minnesota
September 8, 1971

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alumni news
POINTS OF VIEW



The Annual Report of the Association for the fiscal year ending June 30, 1971, is now ready for mailing. It reviews the activities and programs of the year.

The major emphasis for the 1970-71 fiscal year was on increased communication. Because of the unrest and turmoil on campuses a year ago, it became evident that *more* communication with alumni was imperative. To that end the Alumni Office has been working closely with the Department of University Relations on a communications program which will reach all alumni several times a year. Likewise, communication with the University administration was strengthened so that the Alumni Association could be more helpful to the University.

Membership, always of major importance because it is the main source of income for the Association, showed only a slight gain. Likewise, the Alumni Fund, which operates on a calendar year, was down for 1970. All of which reflects what has happened on campus the past two years as well as the down trend of the economy. The Alumni Tour program continued with two successes — a Caribbean Cruise in January and a Sunbreak to Puerto Vallarta in March.

The Association's Group Life program and Hospital-Money Plan continued to grow and to reach more alumni.

The *Outstanding Chapter* of the Year Award went to Crookston instate and New York City outstate. The *Outstanding Constituent Group* of the Year Award went to the Dental Alumni Association. After 31 years in Coffman Memorial Union, the MAA offices were moved to the Administrative Services building at 2610 University Avenue, St. Paul.

The Association, in its effort to build an Alumni Center on the University's East Bank, was successful in amending the State Liquor Statute so that the Alumni Association could serve alcoholic beverages within the mile limit in a building operated by the MAA, thus making possible the financing of the building.

Alumni Board members were saddened by the death of Ken Glaser, President of the MAA in 1968-69, and by the death of Chet Tomczyk of the Alumni Staff.

The Articles of Incorporation were amended to meet the requirements of the Tax Reform Act of 1969.

Finally, the Alumni Honors Committee and the University Honors Committee were merged into a single group thus facilitating the work of the committee.

Ed Havelle

MINNESOTA WOMEN

ONE ALUMNA'S STORY*

BY
JESSIE
BERNARD



THE year 1920 was an important one in the history of women in the United States, especially in academia. In that year the proportion of college students who were women was higher than ever before or — with the exception of the war years of the 1940's when the men were not in school — after.

It was a time when the proportion of women on college faculties was still on the ascendant, to peak in 1930. This was a generation of women that represented the fruit of the first cycle of twentieth century feminism.

It was a time when the vote had been gained by women. It was a time, like the present, of their liberation. We had short hair and we rolled our stockings and Betty Grimes ran a crusade for the corsetless coed.

1920 was the year I entered the University. It seemed the most natural thing in the world to me that there would be a

university ready and waiting for me. My parents who had come from the old country did not take it so much for granted; Congressman Morrill's dream — that anyone should be able to go to college — then still less than eighty years old, was a wonderful thing. Not that they were too enthusiastic about *my* going; what good did it do for girls to go? Now, a good business college, yes; that made sense. But why the university?

Why, indeed? Well, first of all because all my teachers at Central High — modeled after a New England academy — said I should. As my older sister's teachers had said she should, and my older brother's that he should. Minneapolis was peopled by a fairly large contingent of New Englanders who had brought with them their puritan ethic, including, of course, enormous emphasis on education. And, coupled with my own parents' similar veneration of learning, it was not really all that hard to get permission to go.

My sister, five years older than I, had majored in English and now, recently graduated, she was floundering. She urged me to take home economics; it would be more useful. With my

*In the spring of 1971 a young woman at the University of Kansas, Ms Gwen Safier, wrote to say she had received permission to write her doctoral dissertation on my work. Under her gentle, but insistent prodding, I have been forced to reconstruct my life. The story presented here owes a great deal to her insights and interpretations.

feminist bias I took this advice as degrading, as though she were trying to palm off on me something inferior. If she had majored in English, why so would I. And so I did.

In those days there were, as I remember them, great luminaries on the campus. There was Anna Helmholtz Phelan, statu- esque and the very archetype of Pallas Athena. There was Mary Ellen Chase, and Marjorie Nicolson, and Alice Felt Tyler, and Lillian Cohen. And even Maria Sanford. I did not have courses with all those distinguished women, but I knew they were there and I knew they were great. There was also Richard Burton, who lectured on the English novel, whose style had been polished by years on the Middlewestern women's club circuit where he had learned to charm and delight while at the same time sneaking in a considerable amount of learning to the great northern Mississippi Valley. How we laughed when he told us, apropos Jane Austen's comment that no woman over 23 could ever hope to excite romantic affection in the male breast, that Honoré Balzac had upped the deadline to 30 and, so far as he, Richard Burton, was concerned, it could go even to 50. We thought he was kidding, of course. (But you note that I remember it.) There was Professor Stoll who made us gasp when he told us that Shylock was intended to be a comic character. And Beach and Thomas. And my young instructor, son of a distinguished rabbi, fresh from Oxford on a Rhodes scholarship.

He was freshly in love and it showed. It was cynically fashionable in those days of flaming youth to laugh at love. Still, here was a grown man who fairly glowed with it. Yet his father, so rumor had it, had been obliged to resign because his son's wife was not of his faith. I knew vaguely from my own home background that intermarriage was seriously frowned upon by Jews. But I had never faced the situation before. How could anything as beautiful as this marriage be anything but good in the sight of anyone's God?

This instructor was an enthusiastic admirer of L. L. Bernard of the sociology department and he insisted I must take at least one course with him. I took his advice and began immediately to sit in one of Professor Bernard's courses and the whole world changed.

Here were the answers. At least here was the place one searched for answers.

I was hooked on sociology and I never even tried thereafter to free myself from this overpowering passion. I have been enslaved by it ever since. For I also became "hooked" on the professor as well as on sociology. I became his wife and the mother of his three children. But that is another story.

In the standard reference books anyone interested can find the biographical facts usually considered essential in this "credential society" — awards and honors and that sort of thing, of which, I am grateful to say, I have had a fair share. But they have little to do with my real life which has been lived primarily in a fascinating world of ideas about events and their sociological causes.

This article, "One Alumna's Story", by Dr. Jessie Bernard '23BA '24MA, is the first in a series of articles on University of Minnesota women that will appear in THE ALUMNI NEWS during the 1971-72 publication year.

THE ALUMNI NEWS chose Dr. Bernard's story to begin this series because of her graceful power in the current women's liberation movement, and because this power reaches back beyond currency into the roots of the movement.

Dr. Bernard, who is widely known for her research and scholarship, primarily in the fields of family and community organization, is professor emerita of sociology at Penn State University, where she served as a professor from 1947 to 1964. Previously, she was a professor of sociology at Lindenwood College, St. Charles, Missouri, from 1940-47, and a statistical analyst for the Bureau of Labor Statistics from 1938-40.

She has been a Research Scholar honoris causa since 1964, a member of the editorial boards of the *Journal of Marriage & Family, Sociology & Social Research*, and the *Journal of Conflict* for many years, and has been on the board of directors of the Carver Foundation of Tuskegee Institute since 1966.

Washington University, where she received her PhD in 1935, honored her with a Distinguished Alumni Award in 1966, and the Penn State University Press with the Louis H. Bell Award for the best manuscript, *Academic Women*, which was published in 1964.

Dr. Bernard currently lives in Washington, D.C.

MINNESOTA WOMEN

Ms Safier's examination of my work has distinguished four periods of interest in my sociological development. One had to do with my Jewish background and the sociology of ethnicity, one with the nature of science, especially of sociology, one with marriage and the family, and one with the status of women. And, running through all of them, the nature of conflict. I have had to run very fast to keep up with all of these continuing — and consuming — concerns.

Ethnicity, first. My master's thesis (1924), designed to test a principle of E. A. Ross's — was on the Relative Rate of Change of Custom and Tradition among Modern Jews. Innocent of any statistical sophistication — not even a single Chi square test — and with its pretentious title, as though a relatively small number of Jews from the Twin Cities in the early 1920's could be taken as representative of "modern Jews", it was nevertheless accorded the Harris award and I was invited to present it at the meetings of the American Sociological Society that year.

The concern with ethnicity which it reflected continued to absorb me and was not resolved for over a decade. By the 1940's it had been worked through. In 1942, two chapters in a book, *Jews in a Gentile World*, edited by S. H. Britt and Isaacque Graebner, appeared. One was a description of the Jewish community in Minneapolis and one — anonymous — on what I

called bi-culturality, was flatteringly attributed to a distinguished French sociologist, Lucien Levy-Bruhl. With this book, that phase of my development closed. Since then there have been two more sociological studies of the Twin City Jewish community and a great flowering of research on Jewish communities and ethnicity, all of which have served to document my own ignorance of the subject and remind me of how limited my own experience was.

A second period in my sociological development spanned the post-war years of the late forties and early fifties. Under the tutelage of my husband I had absorbed the great nineteenth-century dream of science as the savior of mankind. I had no doubt that science was intrinsically good and would be used only for the good of mankind. As the story of the Nazi use of science gradually leaked out, too incredible at first to believe, but finally documented beyond challenge, I underwent great psychological trauma. My faith in science was cruelly shaken and I began to write a series of papers with titles like "Social Salvation Through Science?", "The Power of Science and the Science of Power", "The Paradox of Power".

And, unhappy at a great lacuna in my own discipline, I asked in 1950, "Where Is the Modern Sociology of Conflict?" which played at least a minor part in a great recrudescence of interest in this subject among my confreres.

At the second meeting of the International Sociological Association in Liege in 1953 I presented a paper on the subject, incorporated in a volume on *The Nature of Conflict*, published by UNESCO. My concern with conflict led me to join forces with members of the Society of Friends at State College, Pennsylvania, where I was then teaching. They seemed to be the only group whose pre-

occupation with conflict matched my own.

The area of marriage and the family is sometimes known as the intellectual ghetto to which women sociologists are willy-nilly consigned. Not so in my case. It was, and remains, an area of enormous interest to me, in part, no doubt, as a result of my feminist training. My first book was, not surprisingly, *American Family Behavior* (1942). It was one of the last embers of the first feminist cycle. But it became a casualty of the war, the plates being melted down for the war effort and it became almost unavailable.

But it is surprisingly contemporary as feminism has revived since the 1960's. Many of its themes are now being re-examined today. I analyzed the family as both a set of institutions and as a primary group; I attempted to measure its success in performing its functions; I reviewed the changes taking place in norms — including sexual mores —; I examined the trend toward egalitarianism in marriage; I proposed what I called a shock theory of marriage; and I charted the impact of our family system on the economy and the state as well as their impact on the family.

After a two-decade regression into the feminine mystique, many of these preoccupations are returning.



CHRISTMAS 1970. In this picture in my son Claude's apartment, I am holding up his wedding picture and my daughter's picture, so all six of us are in one picture. My younger son David, who is sitting near me, is a senior at Haverford. Claude is getting a master's degree at the University of Maryland.

The status of women is, of course, a major aspect of marriage and the family. And so several years ago I became intrigued by the then-as-yet unformulated Women's Liberation Movement. The feminism I had been reared in had subsided and, in the 1950's, been all but wiped out by the feminine mystique just referred to. I began to watch the new movement, at first I thought primarily as a research interest. But like so many others who came to scoff I remained to pray. The Women's Liberation Movement

was the first rumbling of a resurgence of the second cycle of feminism. I have found the analyses and interpretations of its leaders tremendous pertinent, relevant and insightful. I have been greatly influenced by them.

It was not that they told me anything that I had not known before — much of the data on which they based their case they took from the research of the social sciences — but that they put it in a new light. I have

found their concept of sexism especially illuminating. Like the term racism which we did not need until the 1960's — when it first got into the dictionaries — because until then such concepts as prejudice and race hatred would do the analytic job, so also with sexism, we now needed it to help us analyze sociological phenomena we had not bothered to analyze before.

MINNESOTA WOMEN

It is, in my opinion, now an indispensable concept in a wide area, including the sociology of knowledge.

The books of mine which so far have had greatest impact outside of academia as well as inside, have been *Remarriage, A Study of Marriage* (1956), *Academic Women* (1964) and *Marriage and Family Among Negroes* (1966).

The major point made in *Remarriage* (re-issued in 1971), was to controvert the old cliché that divorce was ipso facto evidence of neuroticism or lack of what Terman had called marital aptitude. I showed that the team factor was important, that people unhappy in a first marriage were about as likely as anyone else to be happy in a second. Judges and lawyers found it useful in domestic cases.

Academic Women became the forerunner of a growing stream of research on women in academia, some of its findings — especially the impact of the “stag effect” — corroborated in replications, some challenged. A major finding was that the productivity of women biological scientists was related more to their position than to their sex; women in universities were more productive than women in colleges. The whole institutional, group and community organization of science was called upon to help explain the findings.

Marriage and Family among Negroes attempted to distract sociologists from their almost exclusive preoccupation with the female-headed black family,



HERE MY daughter, Dorothy Lee Jackson, and I are in our room on the Trans-Siberian railroad train in September, 1970.

to show that most black families had two adult members. It made a distinction between black people who had absorbed the culture of mainstream America and those who had made an external adaptation to it.

My methodological approach has tended to be quantitative. But in recent years I have come to feel that the table and graph are not the be-all and end-all of research. I continue to rely on quantitative techniques in my research, but I have felt it increasingly important that someone undertake the function of toting up the meaning — as distinguished from the “statistical significance” — of so much quantitative research. My last three books attempt to perform this function.

The Sex Game (1968), for example, attempts to interpret the processes of communication between the sexes on the basis of an enormous research literature. It proved to be one of the most mis-managed books in publishing history. The publishers wanted a catchy title and I acceded to their wishes. I couldn't have been more wrong in so doing. People interested in the title could hardly have been less interested in the contents and those who would have been interested in the contents were put off by the title. (The *New York Times* refused an advertisement for it but, upon examining it, changed its mind.) Fortunately the book turned out to be a “sleeper”. It found its audience by word of mouth. Readers cued up for it at the libraries. It will be re-issued this year or next under its proper title, *Communication between the Sexes*.

In 1968 I was asked to write a position paper for an agency of the Executive Branch. When there was a change of administration I asked if I could have

it back. I re-did it, expanded it and incorporated my new point of view. It has just appeared as *Women and the Public Interest, An Essay on Policy and Protest* and I am hoping it will be useful in courses on women's studies programs, now burgeoning on so many campuses.

Early in 1972 a book on *The Future of Marriage* will appear. In reviewing the research literature, I was struck by the destructiveness of marriage as now structured for women and one of the conclusions was that we will have to do something to change this situation. If epidemiologists saw vigorous young people enter some occupation and then sicken, they would be up in arms. They would want to know what was wrong and what to do about it.

I believe we will have to do the same about marriage which, according to the research, has baneful effects on women.

So far as the future of marriage is concerned, I see a future of options, people tailoring both their commitments and their life styles to fit their needs.

Still on the drawing boards is a book on the sociology of the community. The very concept of community is now being challenged. Do we need this concept? Does it help us understand the way our society operates? Do we have an adequate conceptual apparatus to deal

with the part played by locale in modern "post-industrial" society? These are among the topics explored.

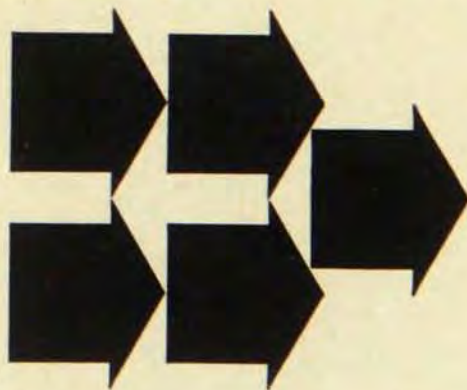
My own thinking on the subject, based methodologically on Thomas Kuhn's work on paradigms, is that all the classic community paradigms — the ecological, the class-structure, the power-structure and *Gesellschaft-Gemeinschaft* — are in crisis, no longer able to guide research or policy. A scientific revolution is called for.

But enough. This, in a nutshell, is the autobiography of one Minnesota alumna in skeletal form. A few bones left out, to be sure, but the essential structure nevertheless. I hope you find the ideas I have wrestled with as interesting as I have found them, and still do.

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A recent eyeball-to-eyeball survey of members of eight Big Ten university alumni associations is helping these associations to better know their members.

From a wide sampling (a sample which included recipients of the magazine of the

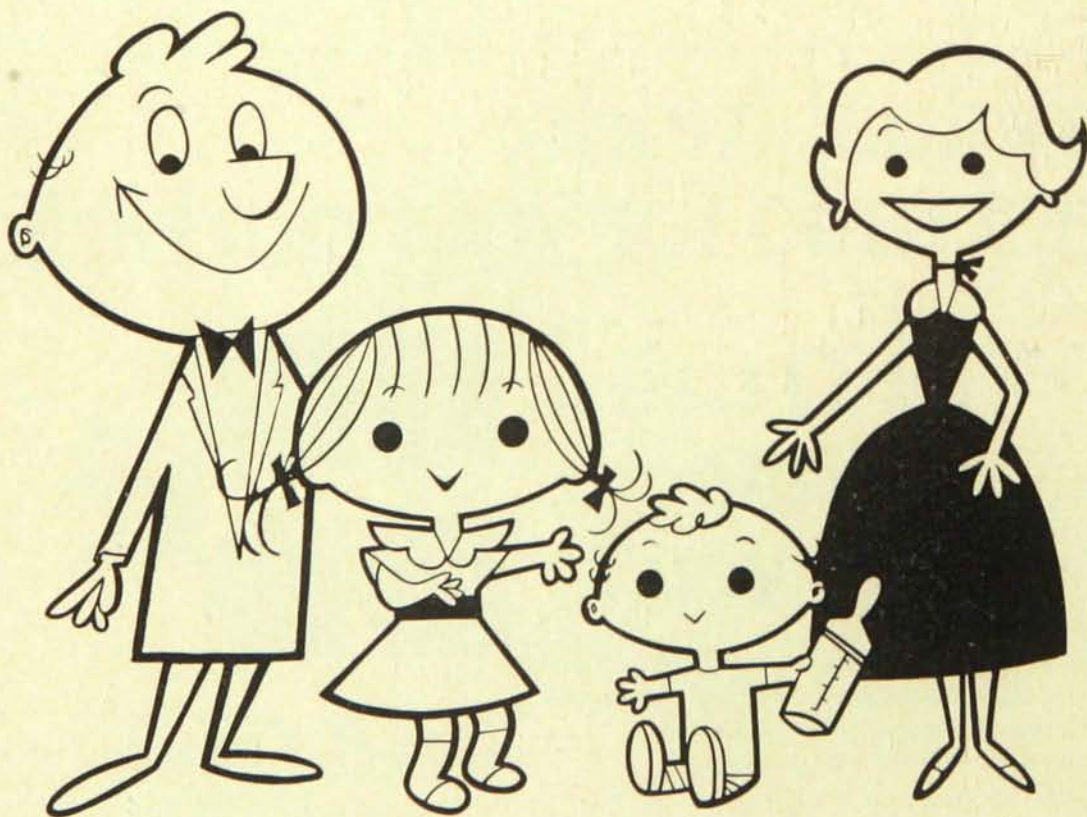
eight Big Ten alumni associations, according to subscriber lists maintained by each university) of personal interviews with Big Ten alumni, the Daniel Starch and Staff firm of New York recently released the results of the survey through its nationally known "Starch/Hooper-

rating Media Report."

Joining Minnesota in the study were the alumni associations of Indiana, Iowa, Michigan, University of Michigan, Ohio State, Purdue and Wisconsin.

As an indication of the thoroughness of the Starch/

"THE AFFLUENT ALUMNUS"



Hoopering survey, personal interviews were conducted in 12 states, which account for 80 percent of the total distribution of the eight Big Ten alumni magazines.

The total quota of completed interviews per magazine paralleled the total U.S. distribution of these magazines.

Overall, about 70% of the interviews were with men and 30% were with women.

Survey findings covered a wide variety of characteristics and habits of alumni. Ninety percent, for instance, read the alumni magazine of its school.

A whopping 75% vacation annually, worldwide. Almost half of the alumni have been to Canada in the past five years; almost 25% to Europe; 21% to Bermuda, the Bahamas or Caribbean; 18% to Mexico; 11% to Hawaii; 4% to Asia or Africa, and 5% to the Middle East.

Alumni are truly members of the "Jet Set". Seventy percent have flown commercially in the past 12 months, 13.8% up to nine flights. And one in ten alumni has taken one or more ocean cruises in the past five years.

In an affluent society, all but 5% of the alumni polled own cars, and over half — as opposed to one-fourth of the U.S. Total Households — own two or more cars. Alumni are also active in the new car market: 41.8% will buy one new car in the next five years, 27.3% will buy a new car in the next two and one-half years, and 14.7% will no doubt buy in the next six to 20 months.

Not all alumni are landlubbers — 14.6% own a boat of one kind or another, almost twice as many as U.S. Total Households.

Obviously sports-minded, about half of the alumni polled

own golf equipment, almost one-third hunting and shooting equipment, 44.4% own fishing gear, and 31.2% own camping equipment.

Entertainment ranks high with Big Ten alumni, with approximately two of three owning color TV's, 81.2% a stereo or hi fi set, 45.2% a tape recorder or player, 35.9% a movie camera, 45.4% a 35mm camera, and 85.4% a typewriter.

The survey showed alumni smoking habits to be on a sharp decline, with only 20.9% who smoke cigarettes, 9.5% cigars and 13.2% pipes, far under the national averages of 38.1%, 20.4% and 16.6% respectively.

No so for liquor. A strong 83.3% use or serve alcoholic beverages to some degree, such as 86.7% domestic beer-drinkers, 81.1% wine, 65.2% bourbon, 57.0% scotch, 52.8% gin, 47.8% vodka, 39.7% rum, 35.4% brandy and 38.9% cordials or liqueurs. Overall, alumni use of alcoholic beverages compared to 48.4% of Total U.S. Households.

Offsetting the calories from their alcoholic consumption, 56% of of the alumni polled claimed to be diet-watchers. Nationally, 30.0% are on diet or watching their weight.

Alumni do seem to buy lots of books, both hardcover and paperback. In fact, 35% have purchased up to six books in a year, while 18.7% have brought up to 30. And alumni appear to be building quality libraries — 85.6% have brought two or more hardcover books in the past year, while 82.2% have brought two or more softcover books.

Perhaps our alumni can afford all of this because three-fourths of them own common stocks, and 26.7% have stock valued at \$10,000 or more.

Further, the largest number of

alumni polled — 50.8% — make between \$10,000 and \$25,000 per year. More than 20% make over \$25,000. And the majority of the alumni head of households polled — 64.1% — have top management, professional and executive positions.

Despite this affluence, eight out of ten alumni use at least one credit card, which is almost twice as many as the U.S. Total Households. Seventy-seven percent of the alumni use the gasoline credit cards, 43.7% bank credit cards and 23.5% telephone credit cards.

The survey noted that 90.3% of alumni head of households had received their undergraduate degrees, and of that number 53.5% went on to graduate schools. Thirty-nine percent of the alumni polled actually earned a graduate degree.

The greatest number of Big Ten alumni polled were in the 25-49 age group, 53.9%, while 5.3% were from 19 to 24 years old and 39.2%, 50 years or older.

Approximately seventy-nine percent of the alumni are married, with 47.4% having children under 21 years of age. About 15% of the alumni polled were single, and 6.3% separated, divorced or widowed.

The survey clearly showed that Big Ten alumni are far above average in buying power as compared to average U.S. Households, and more affluent in lifestyle than the average household.

It is interesting to note that the Big Ten alumni magazine audience was found to be comparable in buying habits and demographic characteristics to the audiences of such magazines as *The New Yorker*, *Harpers/Atlantic*, *New York Times Magazine*, *Fortune*, *Playboy*, *Esquire* and *VIP*.

A number of new buildings are and will be constructed at the University of Minnesota campuses and experiment stations despite budget cuts forced by the 1971 Legislature in other areas of the University.

"We received a lot of money for buildings. It wasn't as much as last session, but it was still very substantial," according to Donald K. McInnes, assistant vice president for physical planning and development.

Some \$40.6 million was appropriated during the 1971 Legislative session for new buildings and improvement of existing facilities at the University.

The largest project under construction is Unit A, the first of several buildings in a Health

Sciences complex to be built along Washington Avenue just east of University Hospitals in Minneapolis. The School of Dentistry will be housed in Unit A along with space for the Schools of Medicine and Public Health. Facilities include teaching and research laboratories, clinical space, offices and several large teaching auditoriums.

The cost of the project will total \$45 million, with \$4.2 million coming from the 1971 Legislature, \$14 million from the 1969 Legislative session and \$22.4 million from the federal government.

"Additional funds for equipment will have to be requested from the 1973 Legislature," McInnes said.

The Legislature provided

\$10.7 million of the \$21.4 million sought for Health Sciences construction and improvements.

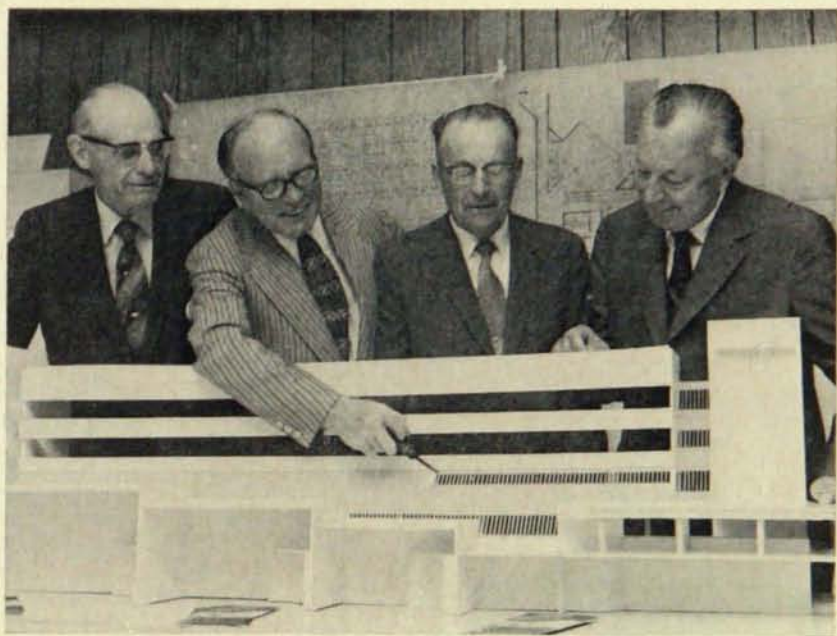
In addition to Unit A, the funds will remodel hospital emergency facilities and improve the electrical system in the hospital, among other things.

The federal government has already approved a \$30 million grant toward the second building in the Health Sciences complex.

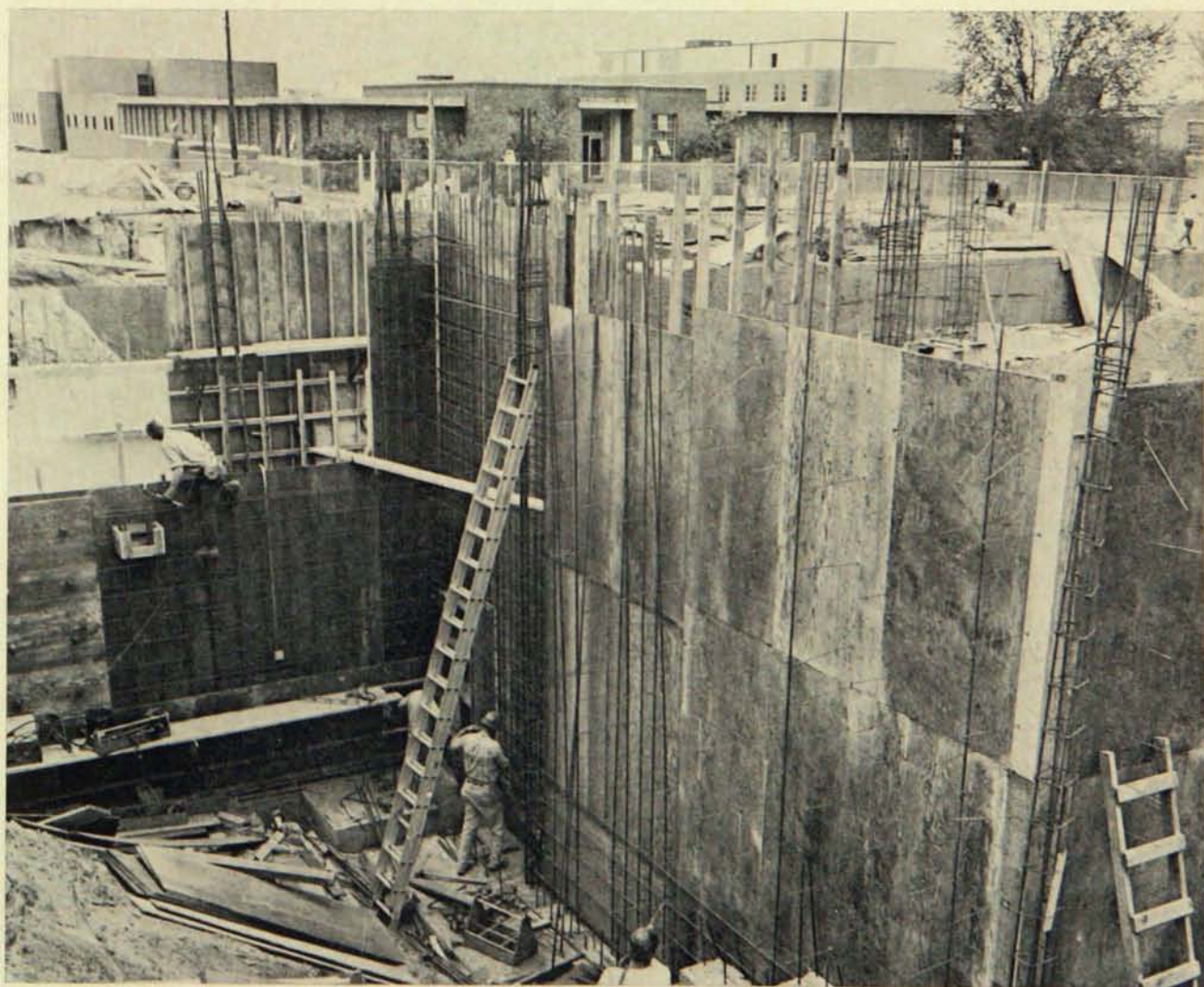
The Legislature funded most of the top building priorities on the Duluth, Morris, Crookston and Waseca campuses, McInnes noted.

A \$3.5 million classroom-laboratory building, a \$1.4 million physical education facility and \$611,000 in remodeling funds were provided for the





SHERWOOD O. BERG, second from left, dean of the Institute of Agriculture, points out some of the innovations the new Classroom-Office Building will have for the St. Paul campus. The five-story building will create new and expanded office, research and instructional facilities for the departments of agricultural and applied economics, agricultural education and rural sociology, and it will link Coffey Hall with the St. Paul Campus Library. Ground-breaking ceremonies were held this fall. BELOW, A new animal sciences and plant pathology building is well underway on the St. Paul campus.



alumni news
**A UNIVERSITY
GROWS**

University's Duluth campus.

Funds for the completion of the second phase of several buildings on the Morris campus were also provided.

The Waseca Technical College, which opened this fall, received \$1.3 million of the \$1.9 million requested. This money is mostly for renovation of existing facilities.

The Crookston Technical College received \$941,000 for the construction of a green-house and remodeling of physical education, library and auditorium facilities. The University

had asked for \$3.5 million in construction at Crookston.

The Twin Cities campus did not fare so well in Legislative funding.

Only one of the University's top eight building priorities was funded. That was a \$10 million animal science facility in St. Paul.

The Legislature denied funds for requested humanities, education, engineering and law buildings in Minneapolis, and a top priority social science building in Duluth.

Planning funds were provided for engineering, veterinary medicine and home economics buildings on the Twin Cities campuses, and the Legislative building commission was given authority to reconsider the decision not to fund the

new law school.

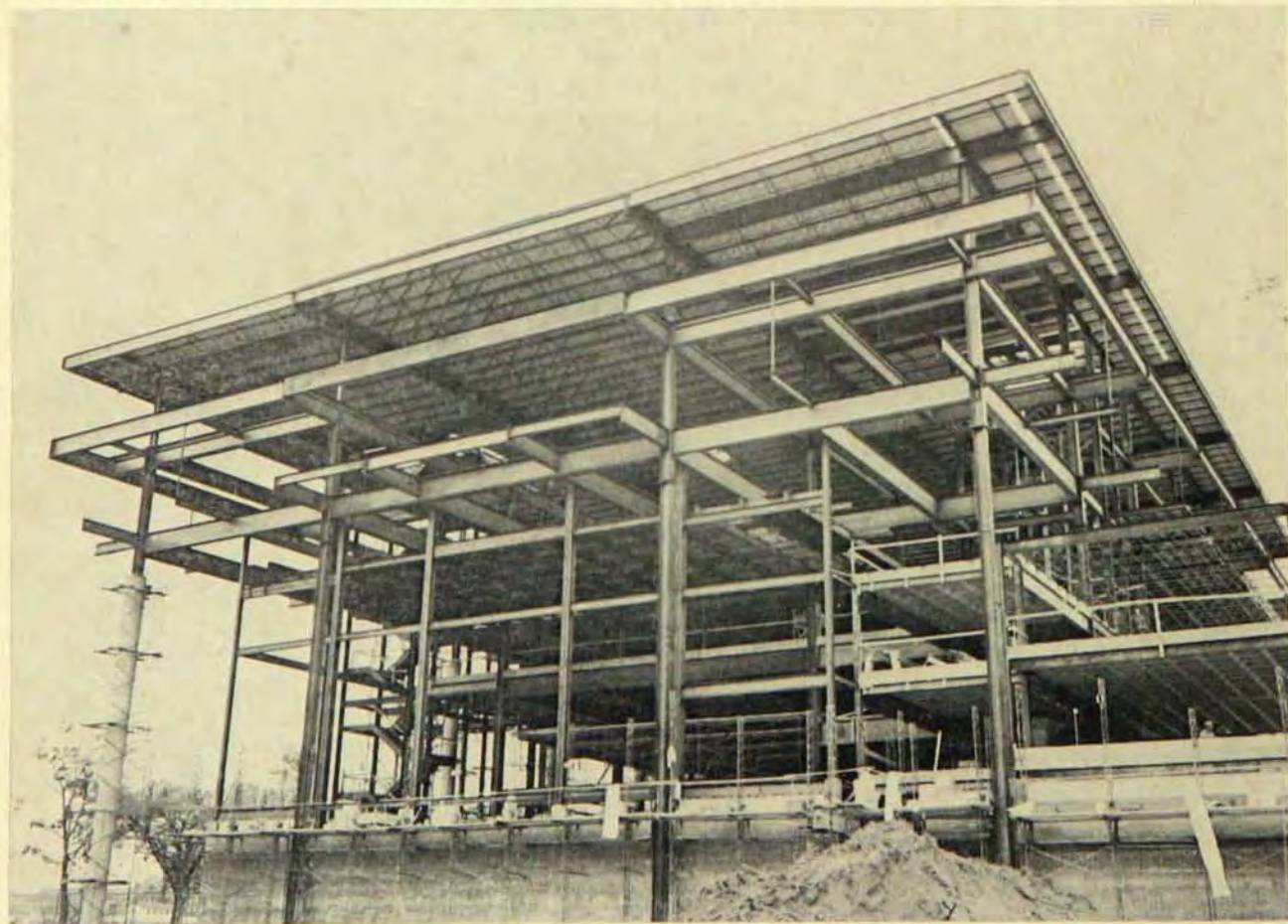
Construction began this summer on a \$3.5 million auditorium-classroom building on the West Bank, a structure, funded by the 1969 Legislature, that is expected to be completed by fall 1972.

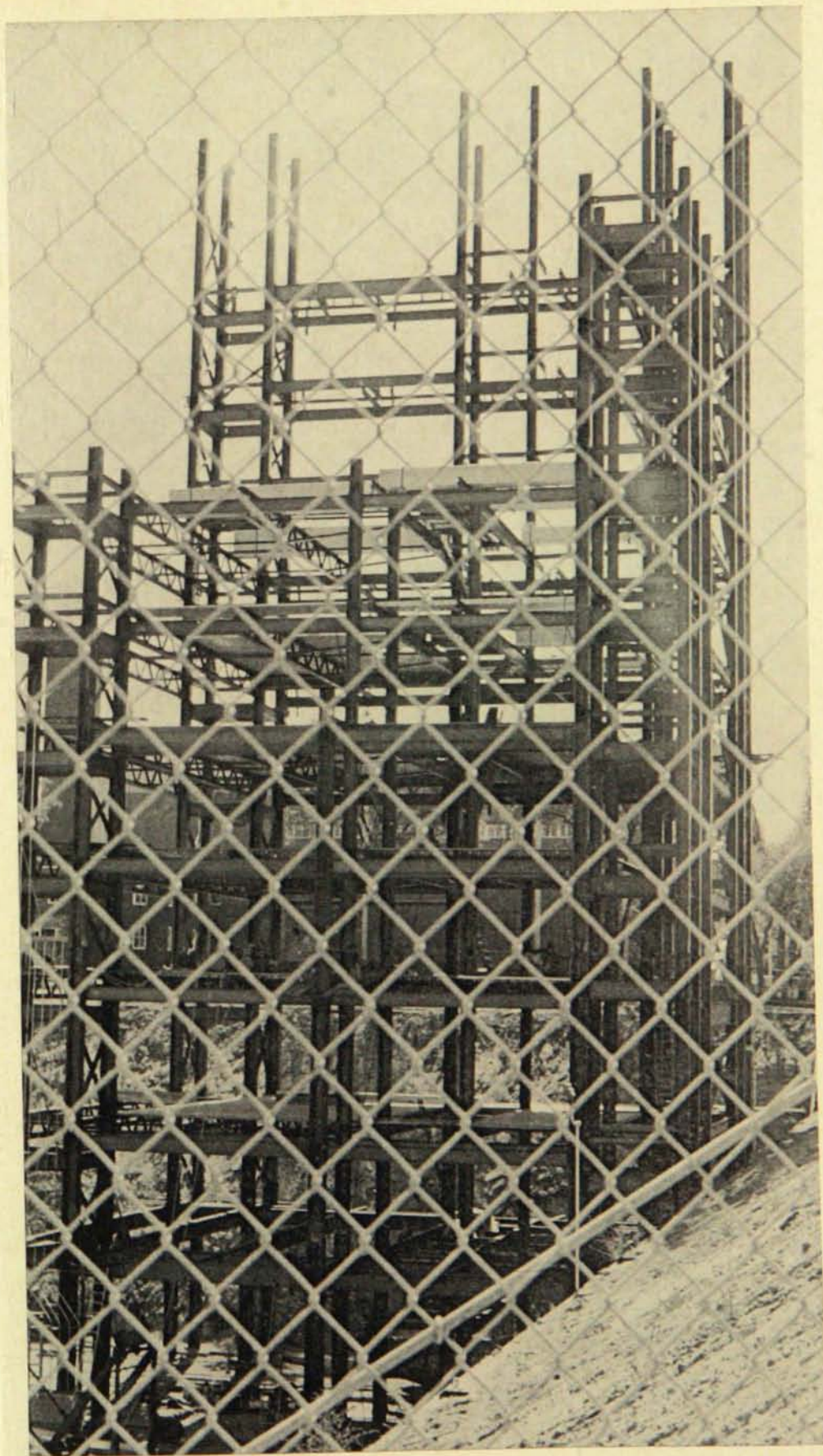
Construction is also underway on psychology and performing arts buildings in Minneapolis.

The \$2 million appropriated this Legislative session for the Minneapolis campus, excluding the Health Sciences, will go for such projects as the remodeling of Walter Library and the Chemistry building, improving campus lighting and air conditioning West Bank buildings.

In St. Paul, construction has begun on buildings for the College of Biological Sciences, meats processing and plant pathology, as well as a laboratory-classroom building for agricultural economics and rural sociology.

THE NEW PERFORMING Arts Building, providing class room and auditorium space for the Minneapolis campus on the West Bank, is due for completion in 1972.





UNIT A of the projected University of Minnesota Health Sciences Complex is being built across the street from University Hospitals.

CLASS OF '22 TO CELEBRATE 50 TH.

THE Golden Anniversary Reunion for the Class of 1922 will take place in the spring of 1972 on the University's Twin Cities campus.

The Minnesota Alumni Association (MAA) is beginning early this year to make sure that all 1922'ers are invited to the event.

Those members of the Class of 1922 for whom the MAA has mailing addresses are listed below. If you are not on this list and are a class member, or know of other class members who are not listed, please let the MAA know. Only those who are listed here will receive announcements about the all-day Golden Anniversary Reunion plans, and all the fun that goes with this memorable event.

To correct your class list, please contact the Class of 1922 Reunion Committee, University of Minnesota, 2610 University Avenue, St. Paul 55114, or telephone (612) 373-2466.

Plan to attend your 50th Anniversary this spring!

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Armson, Harold J.
Madison, Wisc.
Baird, Jessie Owen
Wayzata, Minn.
Bartholdi, Margaret Mindus
Minneapolis, Minn.
Beard, Katherine Fischbein
St. Paul, Minn.
Beddie, James S.
Goleta, Cal.
Bergheim, Ms. M.
Portland, Ore.
Berkman, Ms. J.
Winona, Minn.
Betcher, Chester C.
Seattle, Wash.
Bishop, Helen M.
Audubon, Iowa
Bohnen, Arthur G.
Evanston, Ill.
Bouvier, Ms. J. K.
Los Angeles, Cal.
Burgess, Bergliot Nissen
Delray Beach, Fla.
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West Concord, Minn.
Carlborg, Herbert A.
Darien, Conn.
Casserly, Paul E.
St. Paul, Minn.
Curtis, Ms. T. H.
Jefferson City, Mo.
Davenport, Joyce
Minneapolis, Minn.
Dawson, Helen Dempster
Minneapolis, Minn.
Day, Elizabeth Cooper
Lakewood, N.J.
D'Ilan, J. Alfred
Duluth, Minn.
Dolven, Rev. Oswald E.
Moorhead, Minn.
Dwyer, Virginia Murray
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Eureka Spring, Ark.
Faragher, Reginald G.
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Ferguson, Donald N.
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Baker, Ore.
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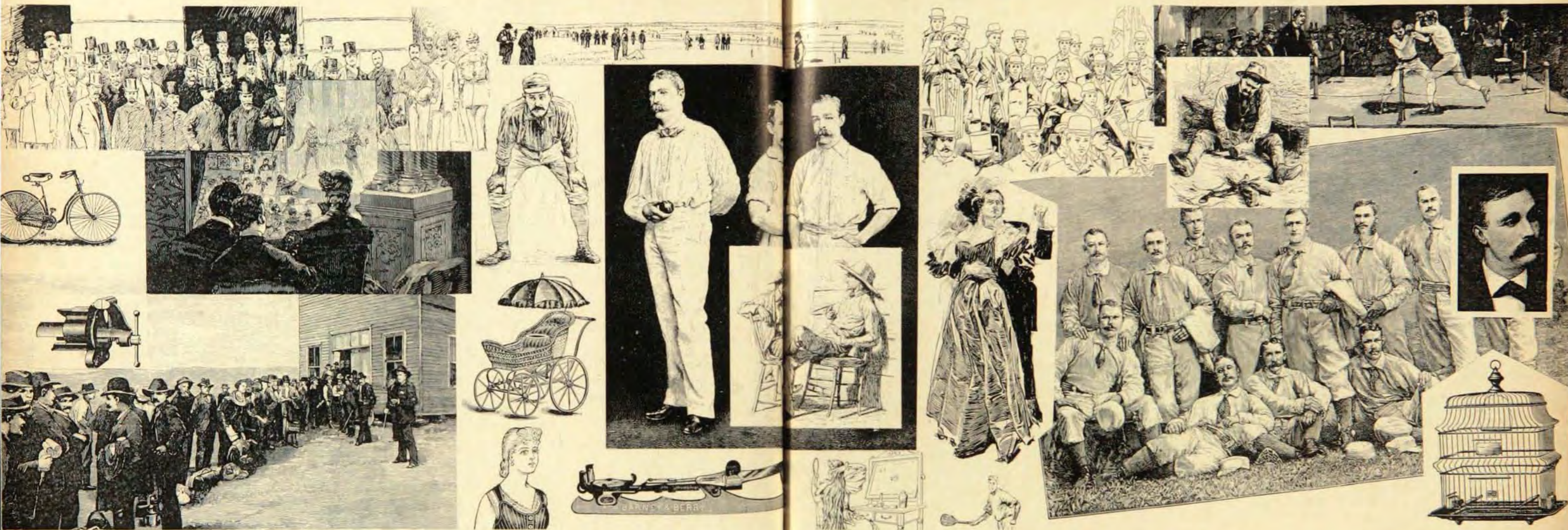
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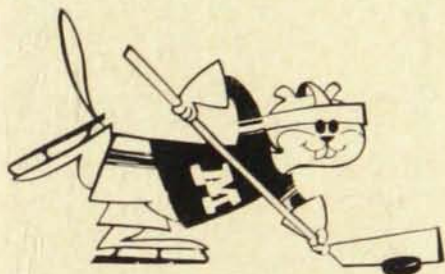
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Sat., Jan. 15	Northwestern
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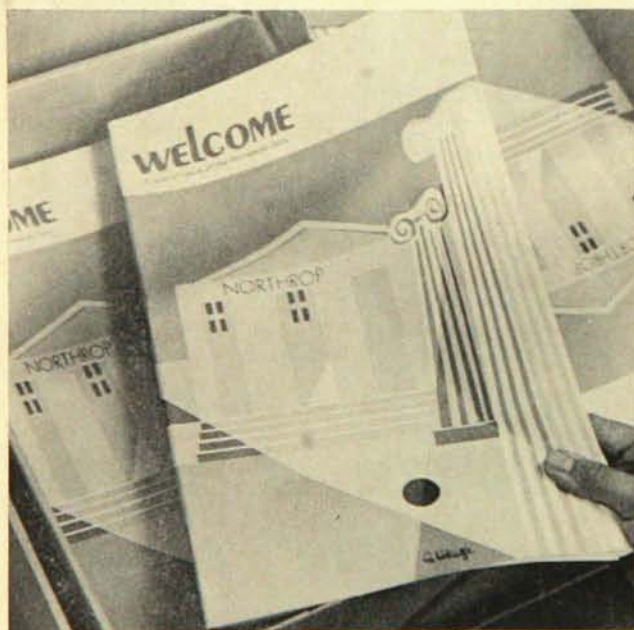
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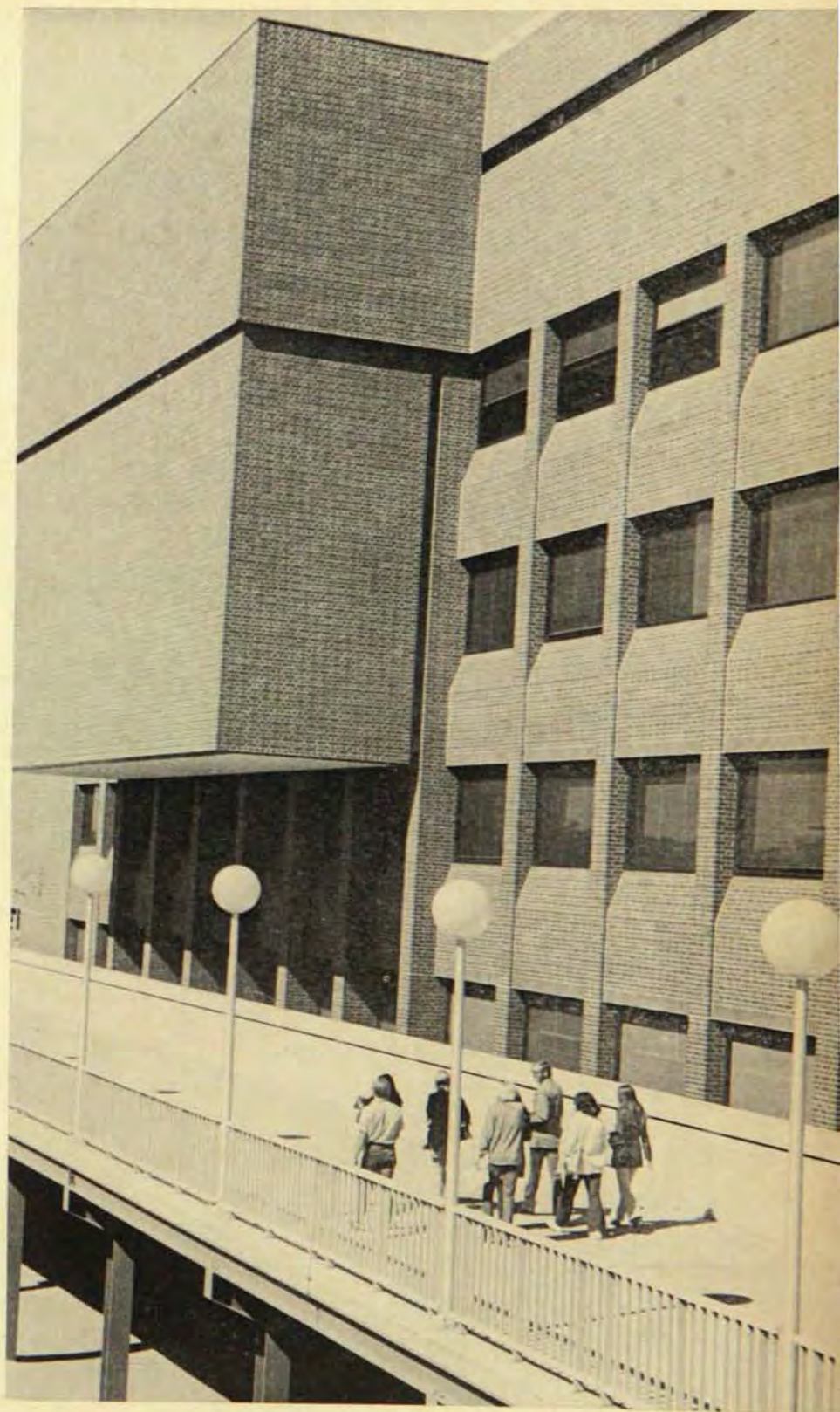
WELCOME WEEK 1971

From the Welcome Week pamphlet:

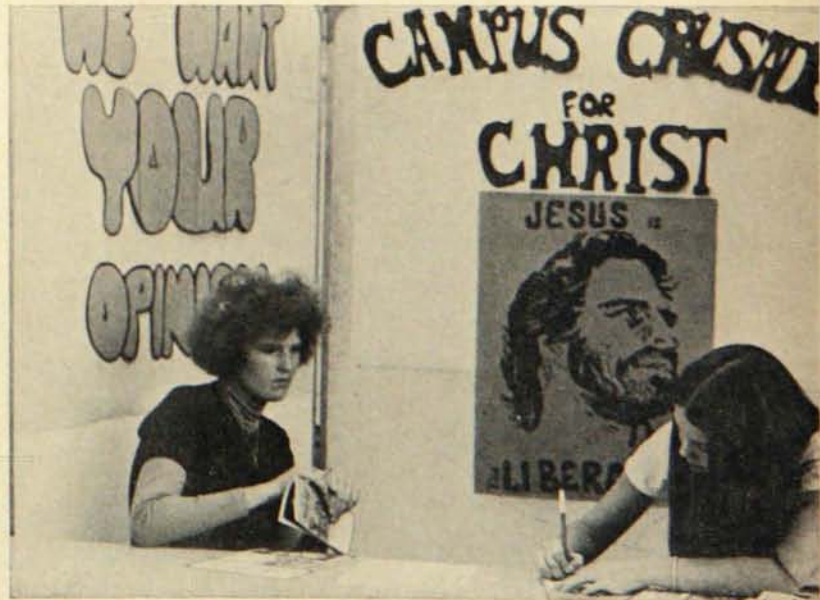
"This is a very strange era. Indeed, these are strange times in which we live. Future Shock, which Alvin Toffler calls the disease of change, threatens to overwhelm us. This is the 800th generation of man: more technological advances have occurred during this generation than in all the 799 before it. People find it increasingly difficult to adjust to the uncertain world of our computerized, nomadic society and throwaway lives.

"Future Shock may have even more devastating effects on students. The 'real' world moves forward, but our education may fail to prepare us for our new responsibilities. We are in a curious position — we are agents through which change is occurring, yet we are finding that too often our education seems irrelevant to this strange area. Welcome Week offers you an opportunity to become more aware of the 'Disease of Change' and how you, as a student, can reduce this shock and lead a more beautiful life. The advances or disasters that occur during the 801st generation belong to us; they depend upon how well we have been oriented to cope with change."

The pictures on the following pages are examples of the 800th generation student awareness on the University's Twin Cities campus. They are kaleidoscope of what the new student saw, heard and experienced in one week, from a panorama of new buildings, to new faces and conversations, to new ways to orient himself to change.







dave shama's gopher tales

THE story is so old it has become either a classic or trite tale. Perhaps a little of both.

Once upon a time the University of Notre Dame decided to build a football stadium. Notre Dame officials visited several stadiums to gain insight on building their own.

One of their stops was Minneapolis where they observed the then recently completed University of Minnesota Memorial Stadium. The keen Irish officials observed Memorial Stadium's tiny ramps, tightly-placed seats and far-removed bowl end. Then proclaimed, "This is how not to build a stadium."

The worth of Memorial Stadium has been argued ever since. But on one point critics and supporters concur — the stadium is not a showplace for watching football.

Thus, it is no wonder that many University Athletic department followers have cast an interested eye toward the Bierman Field athletic complex in the 15th Avenue and 5th Street area near Dinkytown.

The complex represents a significant investment in land and money, covering 32½ acres. Some of the land was already in the University domain before development began; but four city blocks still had to be purchased at a cost of \$1,200,000. Over \$100,000 has been spent in land development.

The complex consists of several different outdoor facilities and an Athletic department

administration building. By the time the project is completed Athletic Director Marsh Ryman says the administration building costs will total \$3,293,000. The whole complex will cost over \$4,000,000.

Just how the Athletic department, which has had a debt or near deficit for each of the last several years, has been able to finance the project is unclear to many.

Ryman says the money has come from something called the Consolidated Athletic Fund through a bank loan. The *Minnesota Daily* has charged some of the money is coming from student fees intended to go toward intramurals.

While the mechanics of the financing are confusing, it is clear that the Bierman Field complex will benefit intercollegiate athletics and intramurals.

The administration building will primarily serve intercollegiate athletics, but the other facilities will be of value to both.

All intercollegiate sports, with the exception of tennis, swimming, golf and gymnastics, will move from Cooke Hall to the new administration building (the transfer date is tentatively set for July-August 1972). Ryman explains that the coaches of these sports devote over 50 percent of their time to physical education and thus will remain in Cooke Hall which becomes the Physical Education department headquarters.

The administration building

consists of three primary areas — office, link and gym. The second floor of the office area is where the intercollegiate staff will be housed. Included in this area will be offices for staff, a ticket office, three conference rooms, two meeting rooms, film rooms, a reception area and staff lounge.

Down below are locker rooms, a training room, equipment room, laundry room, lecture room, two saunas and something called a mud room. The latter is an area where athletes coming off the practice field with dirty shoes can clean them off and remove them.

The Athletic department is emphasizing such cleanliness because the varsity locker rooms which are to be used for football, track and baseball, will be carpeted. There will also be an intramural locker room.

The link connects the office-locker room area with the gymnasium. There are three levels. The first level contains a student lounge, boiler room and wrestling room. The middle level has a concession area and the top level a lobby which connects the office area and the gym.

Like other parts of the whole building, there are areas which are below ground-level, at ground-level and above.

The gymnasium is a 130 by 130 foot area containing two basketball courts which convert into three tennis courts. The floor is covered with a tartan surface.

There are bleacher seats which

when slide out from the wall can accommodate 400 spectators. Freshman basketball, intramural basketball and perhaps wrestling will be held in the gymnasium, according to Ryman.

Below the gym are weight and training rooms, an intramural office, storage rooms and an issue window.

The Athletic department would have preferred a larger gymnasium, but costs precluded building one. Ryman believes that between intercollegiate and intramural use, the gym will practically be used around the clock.

"In fact, the same thing will be true of our outdoor facilities," Ryman said.

"I can't see other groups outside the University using them. There just won't be time."

Plans call for eventually lighting all outdoor facilities with the exception of the baseball stadium that was dedicated last spring.

The Phase I part of the lighting project is scheduled for completion the end of this fall at a cost of \$246,051. There is no completion date for Phase II — a \$227,000 lighting project.

The Bierman Field baseball stadium is the first of the outdoor facilities to be completed. The old Delta Field stadium remains and will be used for freshman practice.

Four football fields — two intercollegiate and two multiple use — are included in the project. The Intramural department will have five fields for football, soccer and delated sports. There will also be seven intramural softball fields.

Six new tennis courts will be used by varsity and freshman teams. The track team will also move into the area where a nine-lane tartan track is to be used.

Ryman said both the track and tennis facilities will be used by intramural as well as intercollegiate sports.

Ryman and assistant athletic director Glen Reed are satisfied that the complex is going to meet the future needs of the Athletic department. Before construction began they too toured the country looking at existing facilities.

"We think we've incorporated their strengths into our complex," Reed said. "We don't say

ours will be perfect, but we're convinced we will be satisfied with it."

One potential problem is parking. Plans now call for only 16 to 32 metered parking areas immediately near the athletic building. Other visitors (staff will have their own lot) will have to use the nearby 4th street lots.



THE ALUMNI

IT ALUMNI WILL HONOR TWO DISTINGUISHED GRADUATES AT NOV. 5 ANNUAL MEETING

The Institute of Technology Alumni Association will hold its 18th Annual Meeting on Friday, November 5, at the Holiday Inn Central in downtown Minneapolis. A social hour at 6:00 p.m. will precede a 7:00 p.m. dinner.

The evening's program will be highlighted by the presentation of Outstanding Achievement Awards to John H. Swanberg '25BCE '29MSCE and Robert B. Hansberger '42BME.

Swanberg, who was named Minnesota's Deputy Commissioner of Highways and Director of Highway Operations in 1966, has also served as the state's Acting Commissioner of Highways in 1967-68, and as chairman of the department of materials and construction and several other Highway Research Board committees.

He is still active on committees in the departments of designs, materials, construction and maintenance, and is the Highway Research Board's representative for the Minnesota Department of Highways.

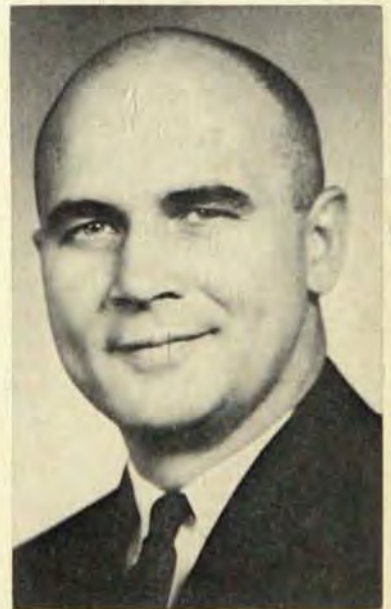
Swanberg, who has devoted an entire career to highway research, has been honored as Engineer of the Year by the Capitol chapter of the Minnesota Society of Professional Engineers, 1968 Engineer of the Year by the state society, and with the Roy W. Crum Distinguished Service Award for 1968.



SWANBERG

Robert Hansberger has been with Boise Cascade Corporation since 1957 as president, and as president and chairman of the board since 1969. He previously was president of Western Sales Company, executive vice president of Western Kraft Corporation, and assistant to the executive vice president of Container Corporation of America.

Hansberger, who is chairman of the board of Futura Industries Corporation and Mackay Bar Corporation, is the director of a number of companies, as well as active in numerous civic, professional and



HANSBERGER

urban expansion organizations in leadership roles.

The Annual Meeting program will also include a discussion of the recent activities within the University's Institute of Technology by Dean Richard Swalin, a presentation by MAA Executive Director Ed Haislet and entertainment by the Shrine Bagpipers.

Reservations, at \$7.50 per person, can be made by contacting the Institute of Technology Alumni Association, University of Minnesota, 2610 University Avenue, St. Paul, Minnesota 55114, or telephoning 373-2466.

SOCIAL WORK WILL HONOR A. J. RADCLIFFE

Arthur J. Radcliffe '49MSW, associate director of the Bureau of Catholic Charities, will receive the Social Work Alumnus of the Year Award at the 1971 Annual Meeting of the Social Work Alumni Association on Friday, October 29, at the Radisson Hotel South, Minneapolis.



RADCLIFFE

Radcliffe, who has been with the Bureau of Catholic Charities since 1960, previously as an administrative assistant, has served as president of the St. Paul Federation of Settlements and Community Centers, and has been a member of the Minnesota Council on Social Work Education since 1949 and a past president of that group.

A charter member and former board member of the southern chapter of the National Association of Social Workers, Radcliffe has served on the board of the Minnesota Welfare Association and was chairman of the case-work section; taught the social welfare sequence at the College of St. Thomas, St. Paul, from 1959 to 1970, and wrote the

40TH REUNION PLANNED FOR '31 MED CLASS

Saturday, October 23, is not only Homecoming day for the Minnesota Gophers when they play Michigan at Memorial Stadium, but also a homecoming for the Medical Class of 1931 when they celebrate their 40th Anniversary Reunion.

Reunionees should plan to meet at the Town and Country Club, St. Paul, by 12:30 p.m. on October 23 in order to board a bus for the Gopher-Wolverine game. Following the game, the bus will return class members to the Town and Country Club for a special social hour and 40th Reunion Dinner.

Reservations for the Class of 1931 Reunion Dinner and the game can be made by contacting the Class of 1931 — 40th Anniversary Reunion Committee, Minnesota Alumni Association, 2610 University Avenue, St. Paul, Minnesota 55114, c/o Edwin Haislet, or telephoning 373-2466.

Class of 1931 members should also plan to attend the excellent two-day medical program of lectures and clinics arranged by the University's Medical School on Thursday and Friday, October 21 and 22, as well as the Annual Meeting of the University of Minnesota Medical Alumni on Friday, October 22, at 6 p.m.

original paper for the Minneapolis Urban League which later served as the basis for a statewide organization, PAMY.

Jack Jones, the new director of the School of Social Work at UMD and a graduate of the University, will be the guest speaker at the Annual Meeting which opens at 6:00 p.m. with a social hour, followed by dinner at 7:00 p.m.

Further information on the meeting can be had by contacting the School of Social Work Alumni Association, University of Minnesota, 2610 University Avenue, St. Paul, Minnesota 55114, or telephoning 373-2466.

SBA PLANS 18th INSTITUTE

The University's School of Business Administration will hold its 18th Annual Institute at the Radisson Hotel, in downtown Minneapolis, on November 15, 1971.

The all-day Monday program will include registration from 9:00 a.m. to 3:00 p.m. at the hotel; a noon luncheon; a general session beginning at 1:30 p.m. that will be keynoted by Bruce McLaury, president of the Minneapolis Federal Reserve Bank; conference sessions from 2:30 to 5:00 p.m. on "Economic Policy" — finance, marketing, industrial relations and international trade.

A social hour at 5:30 p.m. will precede the evening's Annual Dinner Meeting at 6:30 p.m.

Further information on the 18th Annual Institute can be had by contacting the School of Business Administration Alumni Association, University of Minnesota, 2610 University Avenue, St. Paul, Minnesota 55114, or telephoning 373-2466.

alumni news
THE ALUMNI

**DENTAL ALUMNI
WILL CITE
DR. PORTEOUS**

Dr. George Porteous '34DDS, a private practitioner in Minneapolis and former clinical assistant professor at the University of Minnesota, will receive the A.B. Hall Award at the School of Dentistry Alumni Associations' Annual Meeting on Friday, November 19.

The award presentation will be made at a special alumni luncheon to begin at 12:00 p.m. in the Main Ballroom of Coffman Memorial Union on the University's Minneapolis campus.



DR. PORTEOUS

Dr. Porteous is being honored for 37 years of deep involvement in his profession — as a practitioner with genuine concern for his patients, as a teacher, an author, a professional willing to share his knowledge with his fellow dentists, and as a community leader.

The alumni luncheon will climax a full day of activities for

returning dental alumni which opens with registration and coffee in the Mayo Auditorium Foyer at 8:15 a.m.

Following a welcome by Dr. Robert E. Lee, president of the Dental Alumni Association, and Dr. Erwin M. Schaffer, dean of the University's School of Dentistry, Dr. Daniel E. Waite will introduce the main speaker's subject of medical emergencies in the dental office, "The Challenge." Dr. Paul Morgan will deliver the main address.

Later in the morning a movie, "The Pulse of Life", will be shown, followed by a discussion and demonstration of emergency measures in cardiopulmonary resuscitation by Dr. Joe Buckley.

A social hour with senior dental students will precede the Annual Meeting, and a panel discussion and informal visit of the University Dental School will follow the meeting.

Reservations for the all-day program, including the Annual Meeting luncheon, can be made, at \$6.00 per person, by contacting the School of Dentistry Alumni Association, University of Minnesota, 2610 University Avenue, St. Paul, Minnesota 55114, or telephoning 373-2466.

**DENTAL HYGIENE,
MEDICAL ALUMNI
HOLD ANNUALS**

The University of Minnesota Dental Hygiene Alumni Association will hold its Fifth Annual Meeting and Banquet on Tuesday, October 19, in the Campus Club on the fourth floor of Coffman Memorial Union, University of Minnesota, Minneapolis campus.

A social hour, beginning at 6:30 p.m., will precede the 7:00 p.m. dinner and program.

Reservations at \$6.50 per

OFFICIAL RINGS
UNIVERSITY OF MINNESOTA



Selected by the Board of Directors of the Minnesota Alumni Association as the official alumni design. The 10K Gold Ring is set

with maroon synthetic Garnet. Minnesota Side displays the University Seal with Golden Gopher and Minnesota "M". Your graduation date appears at the top. University Side features Northrup Auditorium combined with elements for most of the colleges. Academic Degrees appear on this side. Greek letters or club emblems may be encrusted on the stone.

PRICE TO MEMBERS:

(Postage included)

Men's Ring, Open Back	\$38.90
Men's Ring, Closed Back	41.00
Women's Ring,	

(Miniature of Men's)	32.00
Women's Dinner Ring	32.00
For White Gold, add	5.00
Encrusting: 2 Greek Letters	3.00
Encrusting: 3 Greek Letters	5.00

Non-member prices are slightly higher; write for information. Because of Gold situation, prices subject to change without notice.

- | | |
|---|--------------------------------------|
| <input type="checkbox"/> All University | <input type="checkbox"/> Medical |
| <input type="checkbox"/> Dental | <input type="checkbox"/> IT Law |
| <input type="checkbox"/> Liberal Arts | <input type="checkbox"/> Business |
| <input type="checkbox"/> Engineering | <input type="checkbox"/> Morris |
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| <input type="checkbox"/> Women's | <input type="checkbox"/> Dinner Ring |
| Miniature | <input type="checkbox"/> White Gold |

MINNESOTA ALUMNI ASSOCIATION
2610 University Avenue
St. Paul, Minnesota 55114

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Degree _____ Open style _____

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(Minnesota residents add 3% sales tax.)

person can be made by contacting the Dental Hygiene Alumnae Association at 2610 University Avenue, St. Paul, Minnesota 55114, or telephoning 373-2466.

The University's Medical Alumni Association will begin their three-day program and annual meeting event on Thursday, October 21, with registration in the lounge of the Nolte Center for Continuing Education, Minneapolis campus, at 11:30 a.m.

Three full days' of refresher courses, reunion and professional activities are planned, climaxing with the Annual Dinner Meeting on Friday, October 22, during which Dr. William C. Bernstein '28MD and Dr. J. C. Grant '38BA '42MB '43MD will receive the distinguished Diehl Award.

Reservations for the three days' events can be made by contacting the Medical Alumni Association at 2610 University Avenue, St. Paul, Minnesota 55114, or telephoning 373-2466.

ALUMNAE CLUB TO HONOR CITY PLANNER

The technical director of the Denver, Colo., Model Cities Project will be honored by the University of Minnesota at the annual luncheon meeting of the Minnesota Alumnae Club on Saturday, October 9.

Maxine Kurtz '42BA will be presented with an Outstanding Achievement Award by Barbara J. Stuhler, professor and associate director of the University's World Affairs Center, at the Town and Country Club, St. Paul. Ms Kurtz majored in public administration and clinical psychology at the University and minored in sociology, statistics and educational psychology. A part-time instructor

at the University of Denver College of Law and a member of the American Bar Association, she holds the secretary-treasurer post of the national American Institute of Planners.

Theme of the luncheon, which begins at noon with a social hour, is "Women in City Planning". Ms Kurtz will speak on "City Planning in the 70's".

Gladys Sinclair Brooks, Minneapolis eleventh ward alderman, will discuss "City Planning in the Twin Cities". Ms Brooks, a 1936 graduate of the University, is a former Outstanding Achievement Award winner herself.

The 1940-41 University of Minnesota football teams will celebrate their 30th Anniversary at special reunion activities on Friday, October 29.

A social hour, beginning at 5:30 p.m., will open the event in the Minneapolis Athletic Club, followed by dinner at 7:00 p.m.

The next day reunion-ees should plan to attend the Minnesota-Ohio State football game that will include special recognition during half-time ceremonies for Minnesota Lettermen.

More detailed information regarding the reunion and extra football tickets can be had by contacting Ed Haislet at the Minnesota Alumni Association, 2610 University Avenue, St. Paul, Minnesota 55114, or telephoning 373-2466.

Committee members for the reunion include Bob Bjorklund, Butch Levy, Judd Ringer and Bob Swieger.

FRANK MOUDRY DIES



Frank W. Moudry '15PhmG, founder of Moudry Apothecary Shop in St. Paul, Minnesota, and long-time resident of the Twin Cities, died August 16, 1971, at the age of 76.

Moudry was widely recognized for his work in the field of pharmacy. He was former president of the National Association of Boards of Pharmacy, as well as a past president of the National Association of Retail Druggists. He also served as a member of the National Committee on the Pharmaceutical Survey, and as a member of the American Council on Pharmaceutical Education, the accrediting agency for colleges of pharmacy.

Moudry took a highly constructive part in conferences with the American Medical Association for improved professional relations between medicine and pharmacy. He was also instrumental in the presentation of facts and issues to the courts of Minnesota which resulted in judicial decisions safeguarding pharmacy as a public health profession. In 1956, Mr. Moudry was awarded the Remington Honor Medal, American pharmacy's highest recognition.

He earned a letter for football at the University, and in 1951 was presented the Outstanding Achievement Award by the University.

alumni news
**AROUND
AND ABOUT**



BAUNIS



SCOTT



WESTIN



MCGUIRE

EDUCATION

'50

Katherine Ness '50BS '58MEd was among 15 faculty members at St. Olaf College, Northfield, Minn., who was promoted. She is now an associate professor of nursing.

'54

John Furlong '54BS '55MA '57PhD, vice president of Stout State University, Menomonie, Wis., and president of the West Central Wisconsin alumni chapter, was part of a three-man team that served for two months in South Vietnam as consultants for the U.S. State Department. The team evaluated Vietnamese secondary education and made recommendations on its needs for improvement. This was Furlong's second trip to the S.E. Asian country.

'55

Irma J. Tufvander '55BS, Tower, Minn., received a Master of Arts in Teaching degree at recent University of Vermont commencement exercises.

FORESTRY

'39

John E. McGuire '39BSFor, formerly deputy chief in charge of programs and legislation, was recently promoted to an associate chief in the U.S. Forest Service. McGuire, who began his forest service career in 1939 as junior field assistant in Columbus, Ohio, has held increasingly responsible positions concerned with the surveying of timber and other forest resources. He had served as deputy chief since 1967.

'50

Lennart E. Lundberg '50BSFor, chief of operations in the U.S. Forest Service Intermountain Region, has been named director of the Forest Service division of administrative management, Washington, D.C. He joined the Service in 1950 and has since served in national forests in Wisconsin, Michigan and Missouri, in timber management and personnel management in the Milwaukee, Wisc. regional office, and in D.C.'s division of administrative management.

HOME ECONOMICS

'70

Miss Anne-Liis Baunis '70BS has joined the Conwed Corporation, St. Paul, as manager of the company's Space Control division design department and as a consultant to architectural interior designers engaged in office planning. She is currently researching and developing

a component office furniture system that will coordinate with Conwed Space Control dividers.

Miss Barbara Busch '70BS has joined the home services department of the Green Giant Company as a home economist. She earlier worked as a home economist for the Minnesota Turkey Growers Association and for New Richmond Goods in Fairbault, Minn.

**UNIVERSITY OF
MINNESOTA**

ALUMNI FUND



The Alumni Fund is a major source of funding for the special projects and needs within each College and School and for unrestricted gifts to be used where the need is greatest. Your gift or bequest to the Alumni Fund will provide a vitally needed support for the University in its continuing effort to achieve excellence in education. Send today for further information about making a gift or a bequest to the Alumni Fund.

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University of Minnesota, 2610 University Avenue
St. Paul, Minnesota 55114

Please send detailed information on how to make a gift or bequest to the University of Minnesota Alumni Fund.

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Address _____
City _____ State _____ Zip _____
Class and College _____

INSTITUTE OF TECHNOLOGY

'35

Lyle J. Scott '35BEE, Colts Neck, N.J., recently celebrated 35 years of service with Bell Laboratories. The head of New Jersey Bell's local switching systems engineering department joined the organization in 1936. Since 1962 he has been responsible for the engineering of toll and tandem switching systems and special switched networks, such as the Autovon network for government communications.

'43

Harold J. Westin '43BCE, professional engineer and president of Harold J. Westin and Associates, was recently honored by the Minnesota Society of Professional Engineers as "Engineer of the Year." He has pioneered in the development of the professional team concept of architectural design and construction management for the control of building costs and quality. Westin, who is also a professor at the University of Minnesota, has authored several textbooks and publications.



NINE-YEAR-OLD Nguyen Van Dang, center, returned to his home in Saigon, Vietnam, with a six-inch scar on his chest—a scar that will ensure that he will be able to lead a full, normal life, a prospect that looked slim a short time ago.

Navy Lieutenant Robert Olson '68MD, at the left above, a doctor at the Nha Be Logistic Support Base dispensary, was the one who first noticed the symptoms of a serious heart condition in Dang. An X-ray and electrocardiogram disclosed that the boy had an enlarged heart.

After he determined that Vietnam had no facilities with which to perform the operation necessary to correct the youth's heart abnormality, Dr. Olson began corresponding with one of his former professors, Dr. Arnold S. Leonard, head of pediatric surgery at the University of Minnesota.

Through the efforts of both doctors, the Variety Club Heart Hospital, a part of the University Hospitals, offered to pay all hospital costs and expenses for Dang's father (pictured at right above) to accompany him to the United States. According to the report received by Dr. Olson, Dang's surgery lasted four and one-half hours during which a hole in the wall of his heart was repaired and a Teflon patch inserted.

The entire operation was performed free by the University Hospitals staff.

GOPHER "BAG FOR TWO"

Made of specially treated tight-woven nylon, this storm-proof bag for two persons can be slipped on for just leg protection—or zipped-up for all-over protection in wind, rain, sleet or snow.

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Has big, easy-action zippers that open and close from the inside, plus scoop-roll type hoods for quick on or off use. This Deluxe Nylon "Bag For Two" is maroon in color with "Minnesota Gophers" printed on the back. Complete with convenient "Draw-A-String" carrying case. Price to members is \$17.45; non-members \$19.50. Postage prepaid.

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THE UNIVERSITY

TWO PROMINENT DEANS RESIGN, WILL RETURN TO TEACHING

Two prominent deans at the University plan to step aside from their administrative duties to return to teaching.

The resignations of William B. Lockhart, dean of the Law School, and W. T. S. Thorp, dean of the College of Veterinary Sciences, were announced recently at the meeting of the Board of Regents.

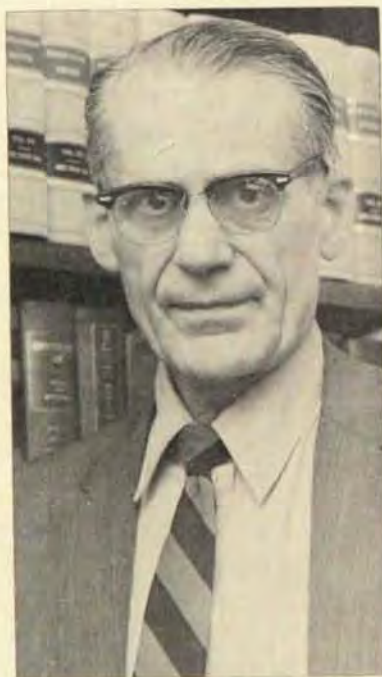
Lockhart, age 65, who was chairman of the President's Commission on Obscenity and Pornography, will resign June 30 after 15 years as dean. He came to the University in 1946 after teaching at Drake, Harvard and Stanford Universities. He became dean 10 years later. Lockhart had received a B.A. degree from Drake and three graduate degrees from Harvard.

In 1968, President Lyndon Johnson named him chairman of the Commission on Obscenity and Pornography and the dean became the object of controversy when the commission submitted its final report to President Nixon last year. Lockhart's commission recommended a massive sex education program, restrictions on pornography available to juveniles and elimination of controls over materials secured by adults.

Earlier this year, Lockhart was given a public service award by the National Book Committee for his contribution to First Amendment guarantees.

Lockhart is the co-author of a textbook on constitutional law and the author of many articles on constitutional law, particularly on censorship and obscenity.

Dean Thorp is expected to



LOCKHART

relinquish his duties as dean sometime before the end of this year. He will retain his academic rank as full professor of veterinary medicine.

He received his doctor of veterinary medicine degree from Michigan State University in 1935 and a master of science degree two years later.

Prior to joining the University staff, Thorp spent seven years as chief of comparative pathology and research services at the National Institute of Health (NIH). He taught and did research work at Pennsylvania State University from 1938 to 1947.



THORP

In July of this year Dean Thorp received the 1971 Public Service Award from the American Veterinary Medical Association. The award recognizes veterinarians in education and government who have made outstanding public service contributions to agriculture and public health.

The Regents also gave final approval to the appointment of James F. Brinkerhoff as vice president of finance, planning and operations. Brinkerhoff is currently associate vice president and director of business operations at the University of Michigan.

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* Higher amounts of insurance are available in Double Basic Plan and Basic Plan plus Survivors Security. Optional family coverage also available. Write for information.

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3. Send no money now . . . you will be notified of the approval of your application and will receive your first billing from the administrator.

• **You Are Eligible** . . . if you are a member of the MAA, under age 60, and are either actively employed or are an unemployed housewife. Coverage for residents of Texas, Ohio, New Jersey, Wisconsin not available at this time.

• **Generally No Physical Exam** . . . usually only the short statement of health on the enrollment form is necessary.

• **Beneficiary** . . . you name your own beneficiary, which you may change at any time. Special beneficiary arrangements can be made to fit your own requirements.

• **No Premium to Pay While Disabled** . . . if you become totally disabled as defined in the contract before age 60, your life insurance premiums are waived and insurance remains in force while you remain so disabled.

• **You May Change** . . . to a permanent policy which builds cash values for retirement. When you terminate membership in MAA, when you reach age 75, or when any insurance terminates because of a change in age beyond age 60, you may convert the amount of group life insurance which terminates to any individual policy of life insurance then being issued by the insurance company other than term insurance or any policy containing disability or other supplementary benefits.

Minnesota Alumni Association Group Life Insurance ENROLLMENT FORM



A. NAME _____

B. Permanent Mailing Address: Street and Number _____

City _____ State _____ Zip _____
Coverage for residents of New Jersey, Ohio, Texas and Wisconsin is not available at this time.

BENEFICIARY DESIGNATION FOR MY INSURANCE

If no beneficiary is designated by you, the policy provides that proceeds shall be payable in the following order of priority: To your spouse, if living, otherwise to your then living lawful bodily and legally-adopted child or children, equally if more than one; if none, to your parents in equal shares, or the survivor; if none, to your brothers and sisters; if none, to the executors or administrators of your estate.

Name of Beneficiary _____ Relationship _____

Address _____ City and State _____

C. Schedule of benefits \$20,000

D. Member: Date of Birth _____ Sex _____ Height _____ Weight _____
Year graduated from University _____ YES NO

1. Have you ever been rated, declined, postponed or limited for any type of insurance for any reason? YES NO
2. Have you ever been told or had reason to suspect that you had: Heart Trouble; High Blood Pressure; Albumin, Pus or Sugar in Urine; Cancer or Tumor; Nervous Disorder; Epilepsy; Tuberculosis; Ulcer or Lung Disorder? YES NO
3. Within the last five years have you been confined by any illness or injury, or has a surgical operation been performed or is one anticipated? YES NO
4. To the best of your knowledge, is your state of health good? YES NO
5. If answers to Items 1, 2 or 3 are "Yes", give dates and details. If answer to Item 4 is "No", explain. (Use additional page, if necessary.) YES NO

Date _____ Reason for Treatment _____ Results _____

I hereby apply for group life insurance provided by The Minnesota Alumni Association Group Life Insurance Program underwritten by The Prudential Insurance Company of America. As a member in good standing, I understand that any and all dividends declared under the above group policy shall become the property of The Minnesota Alumni Association. I represent that each of the above answers is complete and true, and that they shall be the basis of the issuance by the Company of any group life insurance pursuant to this application.

I hereby authorize any physician or other person who has attended or examined me or who may hereafter attend or examine me to disclose or to testify to any knowledge or information thus acquired, to the extent not prohibited by provisions of law. A photostat of this authorization shall be as valid as the original.

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| A. <input type="checkbox"/> 5 x 6 Kit with Lid and 24 x 36 Rug | \$16.25 |
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| C. <input type="checkbox"/> Mat and Lid | 7.50 |
| D. <input type="checkbox"/> Mat | 5.25 |
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(Minnesota Residents Add 3% Sales Tax)

Check Enclosed for Total \$ _____

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1971 NOVEMBER

alumni news

UNIVERSITY OF MINNESOTA



UNIVERSITY INDUSTRIAL TELEVISION EDUCATION

"University Industrial
Television Education"

HAWAIIAN

HOLIDAY

MARCH 19-27, 1972

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SUN BREAK

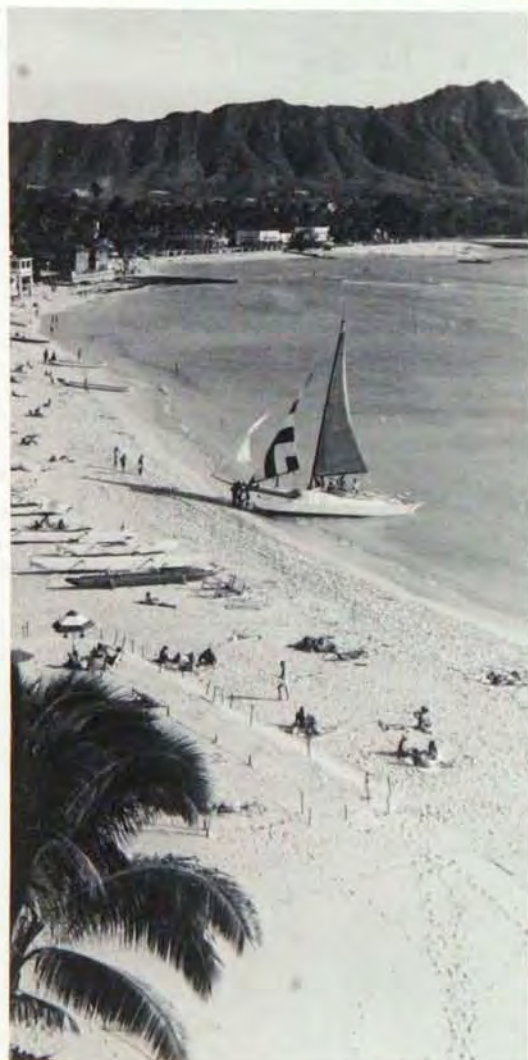
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- Special Hawaiian Lei Greeting on arrival;
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- A full-course dinner and stage show in the famous Royal Hawaiian Hotel;
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ADDRESS _____

CITY _____ STATE _____ ZIP _____

MA.A. MEMBERSHIP NUMBER _____

\$100 deposit per person. Reservations to be paid in full January 5, 1972. Make checks payable to "Minnesota Hawaiian Holiday." Tour open only to members of the Minnesota Alumni Association and immediate family in household.

THE MINNESOTA ALUMNI ASSOCIATION

Edwin L. Haislet '31BSEd '33MA '37EdD . . . Executive Director

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alumni news

UNIVERSITY OF MINNESOTA

NOVEMBER 1971 • VOL. 71, NO. 3

in this issue



A new system that will provide an expanded program of continuing education in science and technology to engineers and scientists employed in industries and governmental units in the Twin Cities and Rochester areas is operating on the University campus. UNITE electronically expands the on-campus classroom to off-campus students.

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 Vergal Buescher Cover and Consultant Artist
 Edwin L. Haislet '31BS '33MA '37EdD Managing Editor

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Date _____ SIGNATURE **X** _____

ALUMNI REACTION

IT IS IMPORTANT

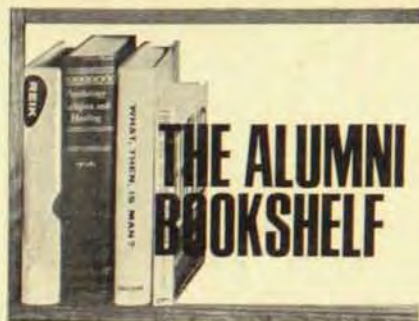
I receive the membership renewal "invoice" today and know that the fun of a year's free membership in the Minnesota Alumni Association will come to an end soon. I wanted to let you know how much I enjoyed this "free" year, especially seeing the alumni magazine.

Prior to returning to Minnesota in 1967, I was the editor of college publications at Illinois Benedictine College (founded as St. Procopius College, 1887), as well as an assistant to the alumni secretary and the director of development. I know how important a good alumni association is and how important it is for people to keep up their alumni dues!

However, I will just have to go into the dead file again, as I did after the M.A. in 1963. I am a Benedictine monk here with St. Procopius Abbey and we just don't get any salary for our teaching (contributed services either at Benet Academy, our high school of 1025 fellows and girls, or at the college which now has an enrollment of near 1200 in all phases) and the Abbey supplies all our needs — but not "Lucky Strike extras" like alumni association memberships.

My best wishes to your association always.

Rev. David Turner, O.S.B.
'63M.A. '70PhD
Assistant Professor, Psychology
& Education
Lisle, Illinois



Virginia Chase '24BA, West Hartford, Conn., has just published her sixth book, a novel entitled *One Crow, Two Crow*. The storyline is based on an old folk tale about "One crow sorrow, two crow joy". It is laid on the blueberry barrens of Maine. Critic Mark Van Doren said of her novel: "A real book and a moving one. I shall not forget these people."

Harriet E. Blodgett '43BSEd, Minneapolis, recently authored a guidebook — *Mentally Retarded Children: What Parents And Others Should Know* — to help parents, teachers and other concerned individuals understand the problems and meet the needs of mentally retarded children. The author, a psychologist, is the program director of Sheltering Arms, a private organization which through a partnership with the Minneapolis Public Schools conducts a day school and research program for mentally retarded children. The 165-plus-page, clothbound book was published by the University of Minnesota Press and costs \$5.96.

Folk dances of many lands, some of them contributed by her students and her former teachers, appear in a unique and cleverly illustrated book, *INTERNATIONAL FOLK DANCE AT A GLANCE*, by Dr. Cecile Gilbert '33BS '42MA. The professor of women's physical education at

Ball State University, Muncie, Ind., and her illustrator collaborated to produce a different kind of folk dance instruction book. Although the book was initially intended for use by Dr. Gilbert's Ball State students, it quickly became known that it was equally interesting and helpful for teachers of folk dance or those who enjoy folk dancing as a popular recreational activity.

The dances which are effectively illustrated in the volume were chosen "because they are fun to do and because they provide a variety of basic steps, formations and nationalities, including dances from Africa which have not been previously published," Dr. Gilbert explained.

Name a country and one can probably find a folk dance typical of it in Dr. Gilbert's book. She has been a member of the Ball State faculty since 1944.

The book was produced by a Minneapolis firm, Burgess Publishing Company.

Hugh Carter '22MA is the co-author of a book, *MIARRIAGE AND DIVORCE: A SOCIAL AND ECONOMIC STUDY*, recently published by the Harvard University Press. The volume provides the most comprehensive and systematic coverage available of up-to-date information on the demographic — social and economic — aspects of marriage. (Continued on page 38)

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alumni news

POINTS OF VIEW



What's wrong with Minnesota football? That is the question that is being asked *now* by many alumni and others. This concern has been brought on because of the drastic drop in attendance at Gopher football games the past several years. For instance, the average attendance of the first three games this year is just over 30,000. Until recently Minnesota was among the leaders in the country in football attendance.

Is it because Minnesota has not been winning? Actually winning football does create larger attendance, but Illinois, Iowa, Wisconsin, Indiana and Northwestern all have been second division teams, without winning records, and yet their attendance has held up.

Is it because Memorial Stadium is such a poor stadium? Actually Memorial Stadium, while a long way from being the best football stadium in the country, is still the only *good football stadium* in the Upper Midwest. Since the seats have been moved 10 yards toward the bowl end of the field, all the seat locations have been greatly improved. Likewise the new tartan turf is an advantage for the spectators and players alike. Also the possibility looms large that the Stadium will be enclosed.

Is it because Memorial Stadium is located on the U of M Campus? Actually the location is an advantage — it is central to all the people in the metropolitan area, accessible by freeway from the north, south, east and west.

Then poor parking must be the answer. Not so — with so many fans coming by bus, with more parking on campus now than ever before, parking is not the real problem. Actually one can get out of the Stadium, into their car and on his way home, by freeway or otherwise, easier than at Metropolitan Stadium.

The only other possible answer then is that professional sports are taking away support from the Gophers. The answer is not that simple, but if a person had to give a single answer that would have to be it. Professional athletic teams have captured the fancy of the public. Everyone can identify with them — right now it is "the thing to do." With everyone wanting to see the pros, support has shifted away from the Gophers. After all there is just so much money a person, a family, or a corporation can spend to buy tickets.

But that is not the whole story. It began back when the Golden Gophers were the toast of the whole state. The Gophers were the best team in the nation. Bernie Bierman's record of five national titles and six Big 10 titles in ten years captured the interest of football fans everywhere. In those days *it was the thing to be* at Memorial Stadium each Saturday to cheer the Golden Gophers. Everyone was for the Gophers — the alumni, the student and faculty, the downtown people and John Q. Public. The Athletic Department had things their own way — hordes of people wanting tickets. The job was not to sell tickets, but to try and tell people why they couldn't have tickets. *In those days all Minnesota graduates automatically*

had an alumni priority and could obtain better than average seats if they wanted them.

In 1940 because of the great demand for tickets and lack of enough seats, alumni priority was abolished. Since that date graduates have only been able to get seats – if any – in the heart of the bowl.

That was 30 years ago and since that time 150,000 graduates have been denied the opportunity of becoming Gopher fans. They are the ones who logically should be at the Stadium each Saturday cheering the Gophers.

Then there was the fight over the athletic directorship when Frank McCormick retired that ruffled many a feeling – but nothing compared to the Warmath affair in 1958–59. Right or wrong these battles alienated a large group of influential people who since have withdrawn their support of Minnesota football.

Since that time professional athletics have come of age in the Twin Cities and Upper Midwest. First the Twins and Metropolitan Stadium, then the Vikings and North Stars. Professional sports bring a lot of money into the area, and, consequently, business firms are behind the pros. With the advent of pro sports it soon became “the thing” to be a professional sports booster and support dwindled for collegiate sports, – especially Minnesota football.

On campus the past several years the new liberated student found football and intercollegiate sports generally not “relevant.” And student support slipped away.

The University of Minnesota is the only Big 10 school and one of the few Universities in the country located in a large urban area that has to compete with the pros for gate receipts. It is obvious that it can't.

A great deal has been written about “operation turn-around” at the University of Wisconsin. It has been a success at Wisconsin, but Wisconsin doesn't have to compete with the pros. While operation turn-around is on the lips of everyone – what people don't know is that Minnesota Athletic Department has been working on their own operation turn-around for several years. Quietly, Marsh Ryman and his most capable staff have been working night and day to stem the tide. They planned a much needed new intercollegiate athletic complex – Bierman Field – which is almost ready; they established alumni contacts throughout the state and nation; each year the whole athletic staff goes out into the State of Minnesota meeting with M men, alumni, business leaders, high school coaches and athletic directors selling University athletics and making friends; they have a whole series of promotions on attendance – for high school athletes, and coaches, for parents and young children. You think of it, they are doing it or have tried it.

The Minnesota situation is serious. The energetic and joint efforts of everyone – students, faculty, alumni, Twin Cities businessmen – and the full commitment of the University administration is needed to support and sustain Minnesota football specifically and Minnesota athletics generally. Without such combined efforts, football attendance will keep on declining; and prolonged poor gate receipts will turn Big Ten and other teams away from the Minnesota schedule. The inevitable result – in ten years or less intercollegiate football will end at the University of Minnesota. Such an end jeopardizes all intercollegiate sports.

Marsh Ryman is without a doubt one of the outstanding athletic

(Continued on page 8)

alumni news
POINTS OF VIEW

directors in the country. He is a Minnesota graduate, a two-sport letter winner in baseball and hockey; has been a high school coach, director of athletics on the St. Paul Campus, assistant director of intramural athletics and long-time athletic ticket manager at Minnesota. He knows sports, he knows the Big 10, he knows the M men, he knows the State of Minnesota and its coaches, he knows alumni, he knows faculty, and he has the finest philosophy of athletics in higher education of anyone I know. He has built one of the strongest groups of assistants and one of the finest groups of coaches that can be found anywhere. Marsh and his staff know what's happening — and are working around the clock to get support for Minnesota's football program. What's happening at Minnesota is unique in the country. But because it is happening here, it will happen at other places. Our University is the first to be affected. I am afraid, too, that if Marsh and his staff can't change the situation, it can't be done.

Not a pleasant prospect — but the place of no return *is here now* — so united action is called for.

Ed Haislet

U.S. Postal Service

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I certify that the statements made by me above are correct and complete. Edwin L.

Haislet, Managing Editor.

**NEW CLA DEGREE
PROGRAM UNDERWAY**

An experimental degree program that would enable a University student to "do his own thing" has been approved unanimously by the All-College Council of the University's College of Liberal Arts (CLA).

However, before the program can be put into effect, it must have the approval of the University's Council on Liberal Education, acceptance by the Minnesota Higher Education Coordinating Commission, and the final approval of the Board of Regents.

According to the program proposal, a bachelor of elective studies (BES) degree would be granted to students who complete the required 180 quarter hours of study in CLA, without regard for distribution requirements or English or foreign language requirements. The student would not designate a major field of study.

Of the total required hours, 75 would have to be in upper division courses. Special CLA advisers would be designated to work with students who opt for the new program.

Initially, the program would be limited to 500 students entering each year. If more than 500 applied, selection would be by lot. Students could enter the program any time between the second quarter of their freshman year and the first quarter of their junior year.

The experimental program would require no additional funding, and CLA enrollment would be maintained at previously set limits, said Professor Harold Chase, chairman of the CLA curriculum committee.

Encouraging and nurturing student responsibility is the primary reason the curriculum committee advocates adop-

tion of the program, Chase said.

"A number of our students, including some of our best students, are chafing against a system of requirements which they feel is arbitrary, irrelevant and archaic. They feel that they are mature people, who after seeking and obtaining the advice they wish, can best determine what is good for themselves educationally," Chase said.

"Sympathetic faculty members expect that students, given the responsibility, will, perhaps, be more eager to seek advice about their program. It is entirely possible that students will, as a consequence of seeking and being given advice, end up taking programs which would resemble programs they would take under existing requirements. And what a gain in motivation, if they take



them because they want and choose them!

"Too, in a day when it is regarded as important for one to 'do his thing,' this proposal affords both faculty and students an unusual opportunity to do just that."

Similar degree programs are being offered in 86 American universities with enrollments of 1,000 or more, and 50 other universities were considering such programs in the fall of 1970, according to a report issued by Michigan State University.

The University of Michigan has offered a similar program since 1969, with no restrictions on enrollments.

CLA now offers programs leading to the bachelor of arts and bachelor of fine arts degrees. Departments within CLA are also authorized to offer programs leading to the bachelor of science degree.

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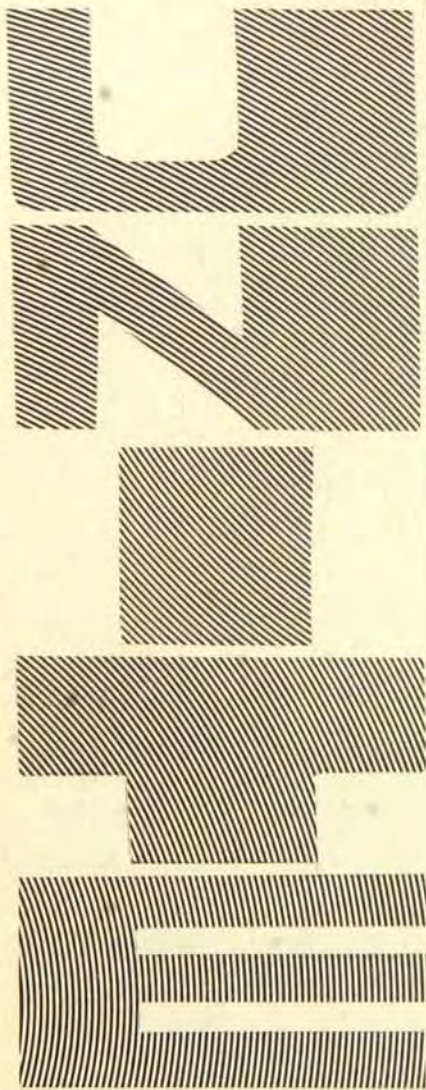
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"University Industrial Television Education"

Building Educational Innovation

HOW badly did modern technology crash in the past months when tens of thousands of highly trained engineers lost their jobs?

An article in a recent issue of *Fortune* magazine on the future of today's engineer and his profession states that unemployment among engineers is expected to ease, as the economy improves and technology resumes its march, and then a new problem will arise — a severe shortage of engineers.

Part of this shortage will have developed because many prospective engineering students have turned away from the field and its problems of unemployment.

Many more will turn away because the same relentless technological momentum that the engineers themselves have created is making their professional skills obsolete.

However, the nation's universities and industries are optimistic that together they can curb the coming shortage of engineers as well as renovate a profession that currently offers an engineering graduate a "half-life of five to ten years."

The University of Minnesota is in the vanguard of the nation's higher educational institutions that have been forming closer links with local corporations and agencies that employ engineering graduates to better fill these employers' needs and at the same time, combat the problem of career obsolescence.

The University's Institute of Technology has been in the continuing education business for some time, providing opportunities for continuing or mid-career education.

About ten years ago, the Institute responded to the growing demands of major technological firms in the Twin Cities area, and, with the cooperation of the General Extension Division, was able to make a number of graduate courses in engineering more conveniently available to employed professionals seeking

more education.

Area engineering graduates were strongly motivated to upgrade their professional competence and to keep up with new developments in their rapidly changing profession. And the firms they worked for felt that their continuing education programs were extremely important.

These firms also knew that the success of these educational programs would strengthen their corporate developmental capabilities and help them to recruit and retain quality professional employees.

"It's an advantage for companies to keep their staffs sharp and up to the moment," Arnold A. Cohen, IT assistant dean for Institute-Industry Relations, told the Alumni News.

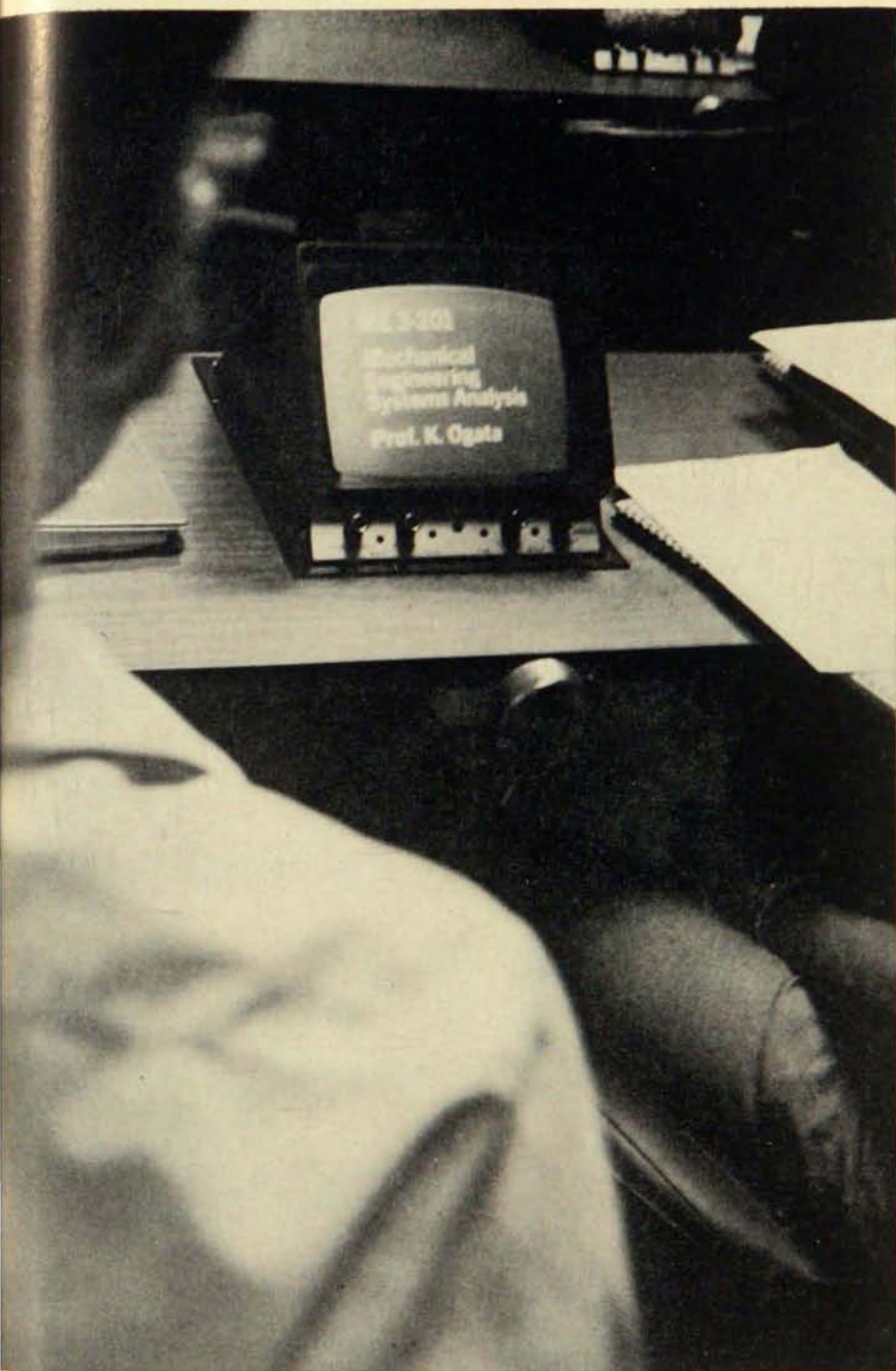
"Although recruiting and retaining quality professional employees may seem a low priority item today, for a number of years there has been a lot of competition among companies in hiring employees.

"When I was in industry, I remember how frequently during interviews a prospective employee would ask about the opportunities within the company to work toward an advanced degree.

"It is important for companies to be able to say, yes, the opportunity is here; we have an arrangement with the University of Minnesota and this is the way it works," Cohen said.

In the past years the courses that industry students wanted were, for the most part, already available during the regular daytime classes in the IT program on the University campus. And industry participation in these courses was limited because of work disruption, excessive travel time to and from the campus, as well as personal inconvenience.

A 45-minute course on the University campus could mean up to three hours of release time from an engineer's job.



ABOVE, Two University of Minnesota IT students view the UNITE TV monitor that is provided for each two student places in the 30- and 50-student on-campus studio classrooms. A microphone can be seen below the monitor; with a simple push of a button, a student can comment or ask a question during class. Similar classrooms have been provided by participating firms and government units for their off-campus students.

An obvious solution to this problem was the duplication of some of these graduate courses in a coordinate evening program.

A number of interested companies readily agreed to pay the major costs of setting up these courses and operating such a program.

Meanwhile, one of the firms participating in the continuing education program at the University — IBM at Rochester, Minnesota — experimented with various ways of overcoming a problem very special to their organization, distance from the University campus. IBM equipped classrooms in Rochester and also paid for telephone and television equipment used in the University's classrooms to achieve a "primitive" audio talk-back facility.

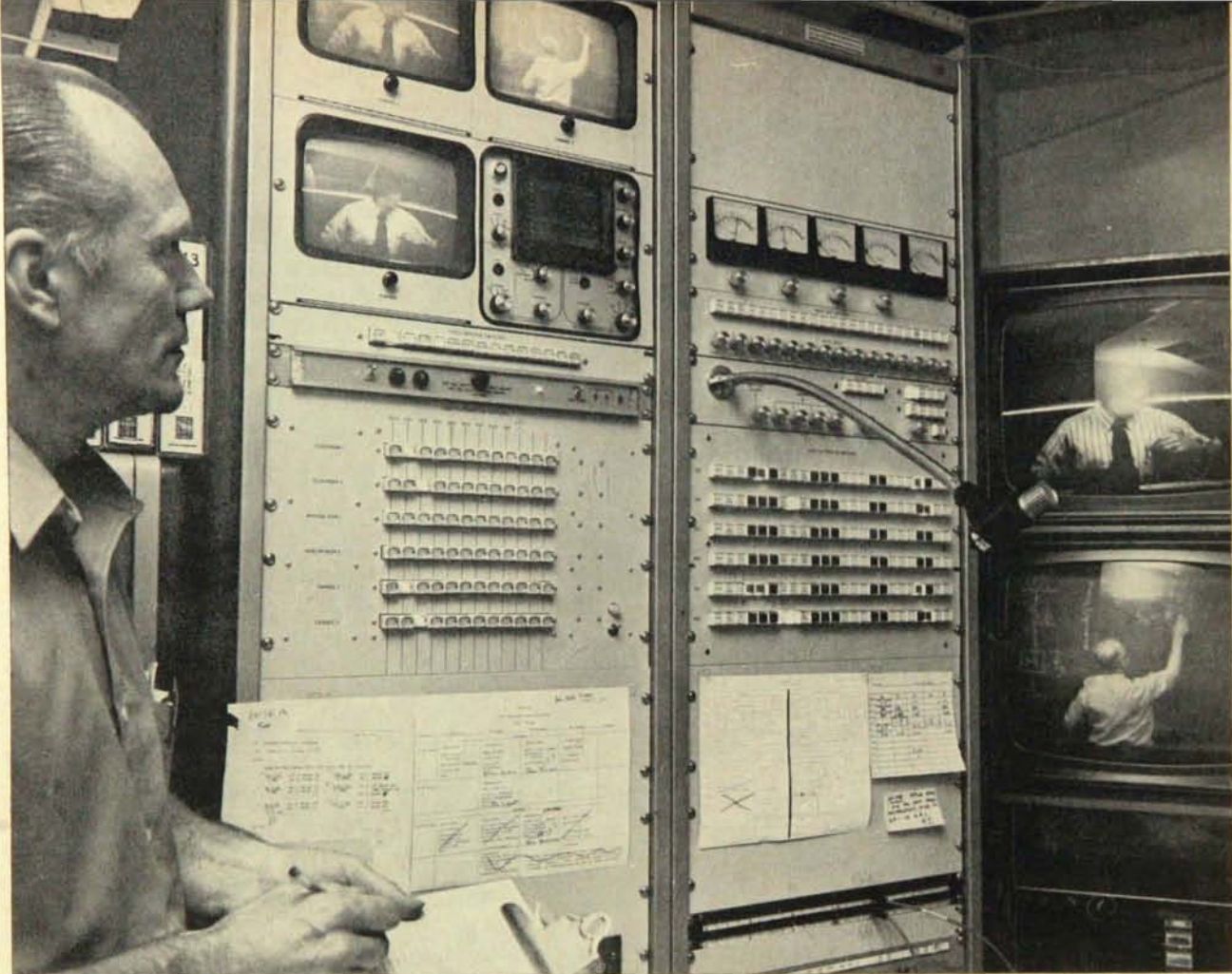
A closed circuit television link between the Minneapolis campus and the IBM plant in Rochester, that included an audio talk-back capability via telephone hook-up, allowing the off-campus student to participate in on-campus discussions, ultimately evolved from IBM's experimentation.

Overall, the educational programs met the needs of industry's students, but were very costly for the participating firms.

With the economic pinch and the decline in engineering staffs, educational program costs became very heavy for many companies.

Characteristically, technology came to its own rescue with the development of a new point-to-point television technology that makes it possible to extend the campus classroom electronically to a number of off-campus sites, with talk-back interaction, at a relatively low cost.

And UNITE — UNiversity Industry Television for Education — came into being at the University. The University presented the cost and effectiveness advantages of the new educa-



ABOVE, Jerry Stenoien, the head engineer for the University's UNITE system, monitors two presentations simultaneously being produced in UNITE's two studio classrooms in the Mechanical Engineering Building. AT LEFT, a student operator manipulates the control board for one of the UNITE classrooms. He is able to pan, tilt or zoom the TV camera located at the rear of the classroom as well as the camera located above the instructor's desk.



UNITE

tional concept, and industry and government units responded enthusiastically.

The new system allows engineers and scientists employed in participating industries and government units in the Twin Cities and Rochester area to take a number of graduate and advanced undergraduate level courses, many of them leading to an advanced degree, without ever setting foot on the University campus.

These courses, taken by the off-campus industry student in specially equipped classrooms at his place of employment, are all regular daytime courses that IT offers in electrical engineering, mechanical engineering, computer science, engineering mechanics, mathematics, physics, operations research and geological engineering on the Minneapolis campus.

Via the UNITE system, students in the off-campus classrooms participate interactively in class discussion. Consequently, on-campus and off-campus students share one electronically expanded classroom.

This common classroom capability of UNITE and its ability to make more courses available than ever before to industry students, caused a number of interested firms and government units to participate in and support the program.

The system is funded by the participating organizations through a special credit hour fee which is an override to the tuition fee. This special fee covers the University's amortiza-

tion of the capital equipment outlay — which included rebuilding classroom space and purchasing and installing all electronic equipment — plus the operating expenses of the system.

The participating companies and agencies have guaranteed the presence of a certain number of students in the program over a five-year period, and have correspondingly signed a contract with the University.

If a company sees that it will use more credit hours or enroll more students than it has guaranteed, the company is free to increase its guarantee level in order to come in at a lower rate/student hour, according to Cohen.

"The initial starting group guaranteed approximately 1000 student credit hours for the academic year," Cohen said.

"And the way it looks today, some of these companies will be in a good position to amend their contracts upward because they have been enrolling way over their guarantee levels."

The initial UNITE participants include IBM's Rochester Laboratory, two Univac plants, three Honeywell plants, Northern States Power Company and the U.S. Bureau of Mines Research Center.

Initially UNITE is using two separate, specially assigned television channels which cannot be received normally in the home, with two corresponding FM radio response channels for its talk-back facilities, to transmit two simultaneous courses to participating groups. The two television channels operate at microwave frequencies.

This means that two separate courses are available almost every hour of the day each day, from 8:15 a.m. to 5:00 p.m., in addition to a selection of evening courses, and special technical seminars and departmental colloquia that are of interest to participating companies.

Nineteen regular daytime IT courses are being aired on the UNITE system during fall quarter.

Each of these classes originates in a specially equipped studio classroom with regular University students present. Each classroom has two television cameras that are remotely controlled by an operator in a control room at the rear of the classroom. This operator, who is a University student specially trained for this job, can pan, tilt or zoom the cameras, or select the desired camera output, for transmission. The camera located at the rear of the classroom provides a general view of the classroom, a close-up of the instructor or a look at the blackboard.

The second camera looks straight down on the instructor's desk. With this camera the instructor can use a felt pen and pad in lieu of chalk and a blackboard or show books, drawings and other material. The zoom feature of the overhead camera can magnify objects up to the point where the date on a coin can be read.

The UNITE system can also handle slides, film and video tape, and has a tie with the University's closed circuit educational TV system in Eddy Hall.

Students in the air-conditioned studio classrooms sit at long, comfortable desks, with a small TV monitor provided for each pair of student positions. The on-campus student sees and hears the instructor's presentation on the monitor in exactly the same way that the off-campus student does.

And either student, if he raises the microphone at each TV monitor and pushes a button, can comment or ask a question.

"The system has a great deal of flexibility," Cohen said. "The instructor has a better opportunity to use visual materials and to develop a very close rapport with the classroom and off-campus student. The effect is

UNITE

strikingly similar to private tutoring.

"And, with the overhead camera, for example, if an instructor wants to show a book or a journal, all he has to do is open up that book or journal, and the operator will zoom in on it and blow up the page. The instructor doesn't have to prepare anything special."

The two studio classrooms currently in use on the Minneapolis campus are on the first floor of the Mechanical Engineering building and seat 30 and 50 students, respectively. In addition there, are two overflow classrooms equipped with TV monitors and response microphones.

Since the courses being shown on UNITE channels already existed in the University curriculum, it was a matter of demand-selection as to which course would be put on the air.

The education directors of the companies involved in the program sampled some of their prospective students in order to select the courses that would appear on UNITE. Many of the courses selected were a matter of educational continuity.

"From these demand samplings, and after meetings with the educational directors, and compiling all the available data, it was easy to see what the popular courses were," Cohen said.

The University's UNITE system, which is one of several developed in the United States, is similar to a system developed at Stanford University with

the assistance of the consulting firm of Genesys. This same firm designed and provided much of the equipment for the Minnesota system.

UNITE emphasizes that technology has not been the bad boy in employment that everyone thinks it has.

Not only does this new educational program, developed by an engineering college, enhance the capabilities and opportunities of the off-campus industry student and his firm, but it also has proven advantages for the on-campus student.

That on-campus student is very likely to see a better prepared course simply because of the psychological effects of the medium on his instructor. And the talk-back presence of experienced industry students further augments the classroom situation because industry students are often able to comment constructively on a classroom problem, and also offer corollary information drawn from their own work experience.

The initial, or pilot, phase of the UNITE program is currently being developed by the Institute of Technology with the cooperation of the General Extension Division. While the pilot phase is technologically-oriented, the program will very likely be expanded in later phases into other fields. Professor Morris E. Nicholson, who handles the UNITE academic program; Professor James E. Holte, GED director of continuing education in engineering and science; and Marshall W. Keith, IT director of special programs, have been instrumental in making the UNITE system possible on the University campus.

UNITE is actually a preventive program of education. It is a system that emphasizes the importance of "continuously continuing education" to minimize chances of increased technological obsolescence and the need for crash programs to retrain the unemployed.

18TH ANNUAL MEETING OF IT ALUMNI ASSOCIATION

The Institute of Technology Alumni Association has scheduled its 1971 Annual Meeting for Friday, November 5, at the Holiday Forum, Holiday Inn Central, downtown Minneapolis.

The event will open with a social hour at 6:00 p.m. p.m., followed by dinner at 7:00 p.m.

The evening's program will be highlighted by the presentation of the University's Outstanding Achievement Award to John H. Swanberg '25BCE '29MSCE, Minnesota Deputy Commissioner of Highways and Director of Highway Operations, and to Robert V. Hansberger '42BME, president and chairman of the board of Boise Cascade Corporation.

The program will also include a discussion of recent activities within the Institute by Dean Richard Swalin, a presentation by Ed Haislet, executive director of the Minnesota Alumni Association, and entertainment by the Shrine Bagpipers.

During the business meeting, members will be asked to vote on a motion to add the Computer Information and Control Sciences department to the constitution of the IT Alumni Association.

Reservations for the 18th Annual Meeting can be made by contacting the IT Alumni Association, 2610 University Avenue, St. Paul 55114, telephone 373-2466. The ticket price is \$7.50 per person.

R. A. SWALIN NAMED NEW IT DEAN

EXCEPT for a year spent as a research associate at General Electric's Research Laboratory in Schenectady, N.Y., Dr. Richard A. Swalin, named dean of the University's Institute of Technology in August 1971, has devoted his entire professional career to the University of Minnesota.

This professional career began in 1955 with Swalin's appointment as an assistant professor in the department of metallurgy. He was named an associate professor in that department in 1957 and a full professor in 1960. Two years later he became professor and head on the University's School of Mineral and Metallurgical Engineering.

In 1968 Swalin was named associate dean and professor in the Institute of Technology. His duties included participation in the general and consuming activities of collegiate administration, particularly long-range programmatic planning of the college.

Paralleling his activities in the Institute of Technology, Swalin has been active on the University campus in the development of the Space Science Center, serving as a member of its executive committee, chairman of the Space Science Advisor Panel and as acting director of the Center in 1965.

He has also served as chairman of the College of Engineering Curriculum committee, and the Joint Graduate School-IT committee on graduate programs



in engineering; as a member of the All-University Council on Liberal Education, the University Senate and the General Research Advisory committee of the Graduate School; and as chairman of the IT Study Group on Physical Environment. Currently, he is chairman of the Dean's Advisory committee on educational policy for the Institute and of the University committee on extension and community programs.

Other professional activities of Dean Swalin have included his work as principal investigator in a research program on defects in semiconductors sponsored by the Office of Naval Research, in a research program on transport properties in liquid metals sponsored by the U.S. Atomic Energy Commission, and in a research program on high temperature oxides sponsored by the National Science Foundation.

He is currently a member of the Marine Corps Research Advisory committee and the Naval Research Advisory committee-laboratory board for

research.

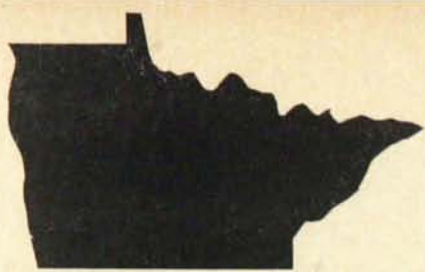
Dean Swalin was the recipient of a 1971 NATO Senior Fellowship in Science.

He is a noted professional lecturer and writer, is a member of the advisory board of *Diffusion Data*, the author of the text, *Thermodynamics of Solids*, has co-authored approximately 50 scientific papers for technical journals and is a consultant to several corporations.

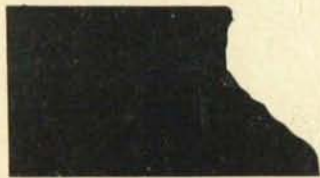
In 1967 Swalin received the Distinguished Teaching Award of the Institute of Technology.

The Minneapolis native did all of his collegiate work at the University of Minnesota. He received his BS degree with a major in metallurgy in 1951, served as a research fellow in the physical electronics laboratory of the University's department of electrical engineering in 1953-54, and received his PhD degree from Minnesota in 1954 with a major in metallurgy.

This fall he was elected to the board of directors of the G.T. Schjeldahl Company, Northfield, Minn.



MINN. WOMEN



Doctor Retires And Goes Back For Second M. D.

"A doctor has no business slowing down."

When Dr. Hulda Thelander '46MD said that a few years ago, she meant it.

"Retirement" from her post as chief of pediatrics at Children's Hospital, San Francisco, in 1967 meant just one thing to the think-young doctor:

"I could do what I had always wanted to do — go back to medical school."

And she promptly enrolled at the University of California-San Francisco (UCSF) Medical School — she's an emeritus faculty member at both the University of California and Stanford Medical Schools — and in mid-June took her place at UCSF graduation exercise with the class of 1971.

These exercises marked a second graduation for Dr. Thelander. She was awarded her first MD degree 46 years ago as a cum laude graduate from the University of Minnesota Medical School.

Recently Dr. Thelander talked about "the second time around" in medical school while seated in the comfortable living room of her contemporary home on a secluded Tiburon (Calif.) beach. She looks out on a bay vista, green lawns and a children's playground she designed and built for tots in her neighborhood.

"Everything I do," she said, "turns out to be for children."

She reflected on the fact that women constituted about the same percentage of students in

her class of 1971 as in the class of 1925.

"About 10 percent of the students are women. That hasn't changed, unfortunately," she said.

And medical education "probably hasn't changed enough" in the last half century, Dr. Thelander believes.

There are some signs of a shift of emphasis, however.

"Education involves students earlier with people. In the first year, medical students interview patients. They take a social rather than a medical history.

"But it's a good introduction to interview techniques. It makes students lose their fear of talking to people.

"I don't know that students are much different today than when I went to medical school the first time. But, then, I've grown up with kids as a pediatrician," she pointed out.

"Children are exposed to more sophisticated information these days on TV and in books. They have a good smattering of knowledge, but they are naive in a way, too.

"Perhaps it's because they have not experienced enough adversity to mature. Most all students come from affluent

families and have had their wishes satisfied."

What does today's medical student face?

The same thing he faced 50 years ago, according to the distinguished pediatrician.

"Hard work, harder than he ever expected. There is no easy way out, but that's all right because it concerns taking care of human beings."

What discourages young women from considering medicine as a career?

Dr. Thelander puts the blame on poor counseling in high school.

"Girls tell me that they are advised not to try to enter medical school. I guess that means that only the most persistent ones finally finish. But I don't think that's right."

Dr. Thelander has given up private practice, but she continues to write on subjects that interest her — pediatrics practice in San Francisco, for instance.

She is a member of the boards of the Recreation Center for the Handicapped, which she helped to found, and of Helpers of the Mentally Retarded.

Her next goal —

"I want to study the causes of birth defects at UCSF.

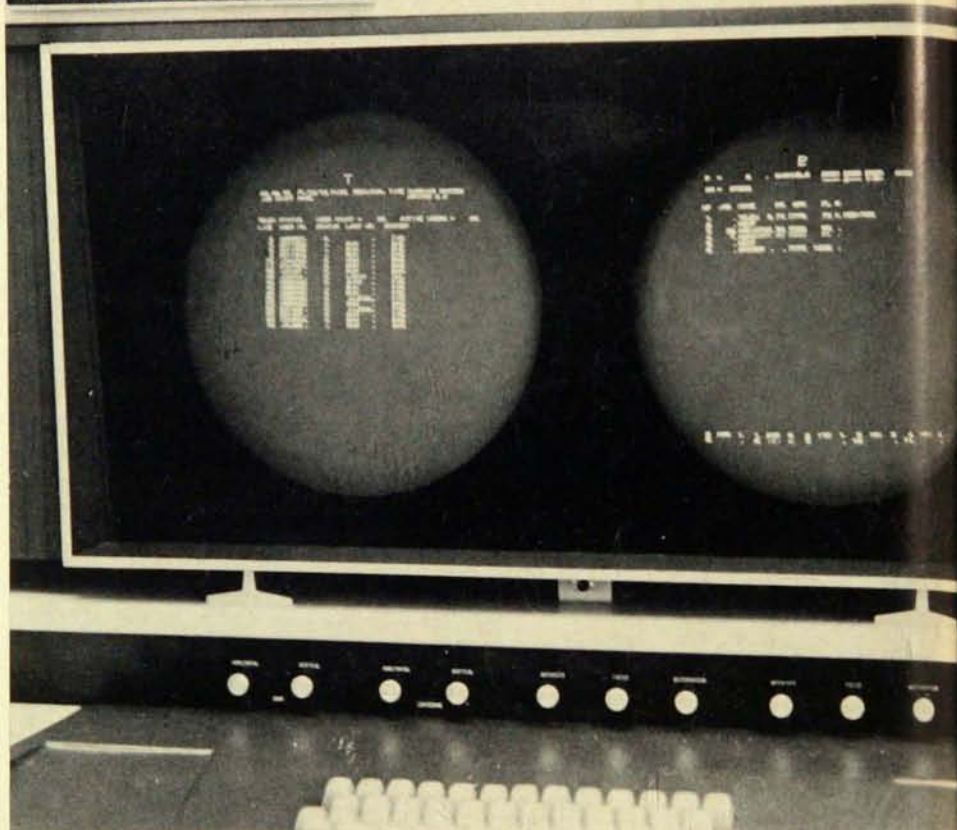
"I am a perennial student. I prefer being a student to being a faculty member, I guess."

—Adapted from an article in the "U.C. San Francisco News."

(AT RIGHT) THE NEW UNIVERSITY-MANAGED 6400 time-sharing system shows the University's Computer Center operators at-a-g'ance, on two porthole-like screens, how many lines are being used in the system, and what programs are being compiled for output. Currently, there are 44 lines available for users of the system; this number will be expanded in the future. The right-hand porthole also gives the operator an indication of the time consumed in compiling and replying to each program in process. Many students' programs require only a few seconds of computer use.

(BELOW) ONCE A STUDENT USER has received the output from his program, the program is not erased. These programs can be stored for a specified amount of time on tapes placed in coded, plastic jackets, and can be played back into the 6400 at a student's request.

CONTROL DATA | 6400





U MANAGES STATEWIDE COLLEGIATE COMPUTER SYSTEM

A development of major significance in Minnesota higher education — one that provides a computing facility to college and university students anywhere in Minnesota and surrounding states — was announced in October by Dr. Richard C. Hawk, director of the Minnesota State Higher Education Coordinating Commission (HECC).

A time-shared 6400 computer system has been established for educational use, with its chief function to provide a computing facility for use by students, especially undergraduates. The system is available to both private and public educational institutions.

In announcing the advent of the system, Dr. Hawk said, "College and university students throughout Minnesota will have available to them one of the most advanced time-sharing systems. This development represents an ideal example of inter-institutional cooperative

effort to develop facilities and programs in a coordinated way."

The University of Minnesota has agreed to assume management responsibility for the system. Consequently, the 6400 has been installed and is currently operating, after a crash installation program, in the Computer Center in Lauderdale where the University's 6600 system is also located. Management of the new system is vested with University Computer Services, headed by Professor Frank Verbrugge.

The new time-sharing computer is being operated by the University Computer Center staff, the group that also operates the 6600.

Policy for the time-sharing system is being established by the HECC computer advisory committee.

The primary users for the first few months of the new system's operation are expected to be Minnesota junior colleges and the University. Each of

the state's 18 junior colleges will have a terminal connected to the 6400 system, and a number of terminals will be located on the several campuses of the University, including one in Morris.

In addition to a number of private colleges, two of Minnesota's state colleges should connect to the system in 1971. St. Thomas College, St. Paul, has already requested two "ports" to the system.

A computer "port" is the same as a continuously active private terminal, but, on a "party" line, several terminals can be connected to a single port.

After the primary installation of the 6400 system in early October, the University of Nebraska connected into a number of the lines, making use of the system while Minnesota educational institutions were setting up their terminal equipment.

The establishment of this time-sharing system was based

(Continued on page 22)



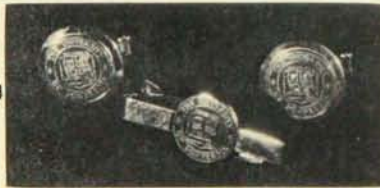
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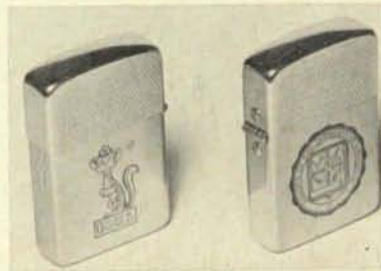
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#34



#21



#22



#41



#42

ALUMNI GIFT IDEAS

SHOP NOW — BY MAIL

#11 THE MINNESOTA RING. 10K gold set with maroon synthetic garnet. Decorated with symbols of University, degree, year of graduation. Greek letters or club emblems may be encrusted on stone. Members Prices: Men's Ring (open back), \$38.90; Men's Ring (gold closed back), \$41.00; Women's Ring (men's miniature), \$32.00; Women's Dinner Ring, \$32.00; For white gold, add \$5.00; Encrusting 2 Greek letters, \$3.00; Encrusting 3 Greek letters, \$5.00. Because of gold situation, prices subject to change without notice.

#12 MINNESOTA KEY RING. Extra special key ring with Regents' Medallion. Members \$1.00, others \$1.25.

#13 MINNESOTA BLAZER BUTTONS. Set of seven with University Seal. Hand detailed, finished in 18K gold plate. Members \$7.95 per set; others \$9.95.

#14 MINNESOTA CUFF LINKS & TIE CLASP. Beautiful gold-plated accessories, emblazoned with University Seal. Cuff links: members \$2.50; others \$2.75. Tie clasp: members \$2.00; others \$2.25.

#21 SONGS OF THE UNIVERSITY OF MINNESOTA. Hi-fi 12" record featuring the University Bands, Chorus and Men's Glee Club. Members \$2.50, others \$3.00.

#22 MINNESOTA PLAYING CARDS. University Regents' Seal, maroon on white, and gold on maroon. Members \$2.25; others \$3.00.

#31 EIGHT MINNESOTA GLASSES. Maroon Minnesota Seal with "Minnesota Gophers" between in gold. Chip-proof, heavily weighted, 12½ oz. size. Members, \$4.00; others \$5.25.

#32 MINNESOTA POCKET LIGHTER. Smart gold-finished unconditionally guaranteed for life, embossed with Gopher and Regents' Seal. Members \$2.95, others \$3.95.

#33 SINGLE PEN & EMBLEM SET. Walnut-colored ball-point pen mounted on base with a raised medallion of the Regents' Seal. Measures 4" x 4". Members \$7.00; others \$9.00.

#34 REGENTS' SEAL. Can be applied to any surface. Bronze-gold finish, two inches in diameter. Members \$1.50; others \$2.00.

#41 BLAZER EMBLEM. 3 3/4" wide seal mounted on raised background of gold cloth and maroon and gold embroidery. Members \$7.50, others \$8.95.

#42 CUSTOM DESIGNED MINNESOTA PLAQUE. Made of space-age material, duplicates exact feel, weight, look of natural wood. Can be displayed anywhere. Measures 14" x 17" x 1½". Members \$13.95; others \$16.95.

#51 MINNESOTA PORTFOLIO. 16" x 11 3/4" vinyl portfolio, dark-brown textured finish. Expands to 1½". Embossed with a gold Regents' Seal. Members \$4.50, others \$5.50.

#52 GOPHER ALL-NYLON "BAG FOR TWO". Specially treated nylon, gives complete protection in all weather. Zippers open and close from the inside. Scoop hoods for quick on-or-off use. Maroon color with "Minnesota Golden Gophers" on back. "Draw-A-String" carrying case. Members \$17.45, others \$19.50.

#53 GOPHER VINYL "BAG FOR TWO". Same design as nylon "Bag For TWO". Made of durable vinyl. Complete with cushion style carrying case and handle. Members \$14.45, others \$17.45.

#54 MINNESOTA PENCIL CADDY. Can also be used as beer mug or flower pot. Glass bottom. Members \$2.95; others \$3.50.



#51



#52,
#53



#54

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University of Minnesota, 2610 University Ave.
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ORDER FORM

() #11—Check one: Men's Ring, open back (), Men's Ring, gold closed back (), Women's Miniature (), Women's Dinner (), Extra charges: White Gold (), Encrusting Greek Letters ().

Other information: Degree _____ Year Grad _____

College _____ Three initials _____ Finger size _____

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Minn. residents only, add 3% sales tax to TOTAL, except for Gopher Bags.

STATEWIDE COMPUTER

on the recommendation of HECC's computer advisory committee following detailed discussions by committee members with technical specialists from the various Minnesota educational systems. Criteria for the system were established in June of 1971 and the specific system, which is a Control Data Cyber 72 computer, was selected on the basis of competitive bidding.

At its meeting in late September of this year, HECC approved the action of its advisory committee and endorsed the establishment of a time-sharing system as a major step forward in the coordination of computing activities for education.

"The computer advisory committee," said the University's Verbrugge, "was attracted to the Control Data proposal both because of the capability of the system and its expandability.

"The time-sharing system is capable of handling not only mathematical, scientific and engineering computations, but also business-oriented problems which are of interest to students looking forward to careers in business management.

"Furthermore, the system is capable of handling very large problems such as those of Computer-Assisted-Instruction.

"For example, the University's computer-based first-year German course which has been developed by the department of German in collaboration with the Center for Programmed Learning at the University has been placed on the system, and approximately 60 students will be taking this course by computer during the coming academic year. It offers unique

opportunities for individualized education because each student can proceed at his own pace."

The program is potentially of great interest to small institutions unable to provide a staff for teaching German, Verbrugge added.

Other programs involving complete courses are under development.

"Next to its capability, the most attractive feature of the system is its expandability," he said.

"It is capable of being expanded to 128 ports. Initially, the total usage for educational institutions in Minnesota is approximately 40 ports. Additional ports can be activated as needed.

"Educational users are paying the leasing costs only on the basis of the number of ports used. This innovative approach to funding for a computer system by an industry represents a major contribution towards the development of this time-sharing system."

According to the chairman of the Advisory Council on State Information Systems, "This computer time-sharing program is an example of the efficiencies which can be experienced in pooling computer facilities and technical know-how. The plan is consistent with the Governor's advisory committee's report which recommends combined utilization of computer facilities through regional-type centers.

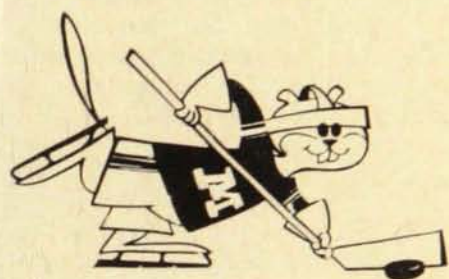
"This is a great step in that direction and will provide an example for others to follow."

THE COLORFUL SPAGHETTI-LIKE insides of one of the sections of the massively cool and efficient 6400 Computer System tells of the system's operational complexity and of technology's wonders.



MINNESOTA GOPHERS

1971-1972 BASKETBALL—HOCKEY



NEW — A SPLIT SEASON TICKET FOR HOCKEY
SEASON — 14 HOME GAME — FRI. & SAT. \$26.00.

SEASON — FRIDAYS ONLY \$15.50

SEASON — SATURDAYS ONLY \$15.50

Varsity game time 8:00 p.m. unless otherwise noted
 Preliminary game time 2½ hours before Varsity.

Tues., Dec. 7, 1971 — U.S. Olympics. (Not included in season package)

Fridays

Dec. 17	Duluth
Jan. 14	North Dakota
Jan. 21	Notre Dame
Jan. 28	Denver
Feb. 4	Wisconsin
Feb. 11	Michigan State
Feb. 18	Colorado College

Saturdays

Dec. 18	Duluth
Jan. 15—2:00 p.m.	North Dakota
Jan. 22	Notre Dame
Jan. 29	Denver
Feb. 5—2:00 p.m.	Wisconsin
Feb. 12	Michigan State
Feb. 19—2:00 p.m.	Colorado College



RESERVED

Single Game Tickets
 Basketball & Hockey

\$2.50 each

Mail order sale opens
 Monday, November 8

PLEASE REFER ANY
 CORRESPONDENCE TO:

Athletic Ticket Office
 108 Cooke Hall
 University of Minnesota
 Minneapolis, Minn. 55455
 Telephone 373-3181

Name, Address and Zip Code Number

BASKETBALL

11 Home Games

Varsity Game Time 8:00 p.m. unless otherwise noted.
 Preliminary game time 2 hours before Varsity.

Wed., Dec. 1	North Dakota
Thu., Dec. 9	Bradley
Thu., Dec. 23	Drake
Tue., Jan. 4	(Chi.) Loyola
Sat., Jan. 8	Indiana
Sat., Jan. 15	Northwestern
Tue., Jan. 25	Ohio State
Sat., Feb. 5	Iowa
Sat., Feb. 19	Wisconsin
Tue., Feb. 29	Purdue
Sat., Mar. 4—1:05 p.m.	Illinois

No. Tickets @ \$2.50	Date and Game	Sport	Total
			\$
			\$
			\$
			\$
Postage and Handling — Please add 15¢ per game			\$
Total Remittance Payable to University of Minnesota			\$

PROJECT 60:



**WORKING TO PRODUCE
BETTER ELEMENTARY
TEACHERS**



THIS fall 60 University education juniors are working in a new project designed to make them better elementary school teachers.

Project 60, so called because of the number of students enrolled, is one of several new education programs that have been developed to provide options for students within the traditional elementary education program.

"Optional programs are necessary to meet different student needs," Kenneth Howey, associate professor of elementary education and coordinator of Project 60, said.

"Some students want the faculty to provide considerable direction because they work best within a structure. Others want more autonomy and the ability to experiment."

Project 60 is for the second kind of student.

"Most education courses are organized around content, such as mathematics or social studies," Howey continued. "The reasons for that are obvious, but we also want to try organizing around processes, such as problem-solving and decision-making."

"We want to emphasize political sensitivity as to how schools are financed and supported and how education goals are really decided."

"Students should be aware of schools as an extension of the community — especially since parents are becoming more involved in the directions their public schools take."

The student enrolled in Project 60 agrees with its creators that a teacher must know more than his subject matter — he must be able to deal with students in a variety of contexts and be able to analyze and evaluate his performance as a teacher.

Other skills are also necessary, such as an ability to communicate with students, parents and administrators; a sensitivity to

public attitudes toward educational goals; and an awareness of social issues.

"Project 60 is composed of modules, each of which examines some aspect of what makes a good teacher," Howey said.

"What makes the module valuable is its flexibility. There are many ways to learn how to become a teacher and the student in Project 60 is given considerable freedom to choose his method of getting there."

Modules that are being offered during the academic year include curriculum design, problem-solving, motivation and concept development, and community understanding. Students remain in the program during their senior year when the modules cover organizational change, learning theory, political sensitivity and action, school-community involvement, and individual projects. New modules will be developed as needed.

"The student in Project 60 will decide with his advisor when and how he might proceed through a module. They will mutually explore what information he should acquire, what skills he will need, how his performance will be evaluated, and what criteria will be used to demonstrate his objectives have been reached.

"Hopefully, there will be a variety of criteria developed.

"Much of the responsibility, clearly, is on the student, although there will be considerable demands on the teacher," Howey said.

The modules are intended to give the student the skills, as well as knowledge, to be a good teacher. And, because the means of gaining such skills and knowledge are so varied, constraints in time and method will be limited.

For example, students may learn by reading, using films or other media, by attending lectures and conferences, or working in a school, a community

or on a one-to-one basis with students.

"When the student has demonstrated in one of these ways his skills and understanding in a particular area, he moves on—the process could take one week or it could take 15," Howey said.

The modules will also deal with change and innovation.

"Change is too often forced upon teachers," Howey said, "so we should learn how better to cope with it, put it in perspective and, in fact, initiate it."

The good interpersonal relationships necessary between the teacher and those he comes into contact with should be developed while he is still a student in college.

"We are trying to maintain a 10-to-1 teaching ratio with the module group meeting once

a week to break down any artificiality in student-teacher roles. We want to provide a personal element that is difficult to present in a lecture format," Howey said.

"We are trying to develop trust so that the student will feel able to challenge the professor."

One-third of the elementary education faculty is involved with Project 60 and almost all the faculty members are involved in some sort of experimental program.

According to College of Education Dean Jack Merwin, 40 percent of all elementary education juniors will be in experimental optional programs this fall.

More students applied for Project 60 than could be accommodated.



MINNESOTA PEOPLE

AMBASSADOR WALTER L. RICE '25BA, named to his post in Australia by President Nixon in July 1969, previously distinguished himself as an attorney and as a businessman.

Following his graduation from Harvard Law School in 1928, Ambassador Rice prosecuted racketeers in the U.S. District Court, New York, from 1928 to 1930.

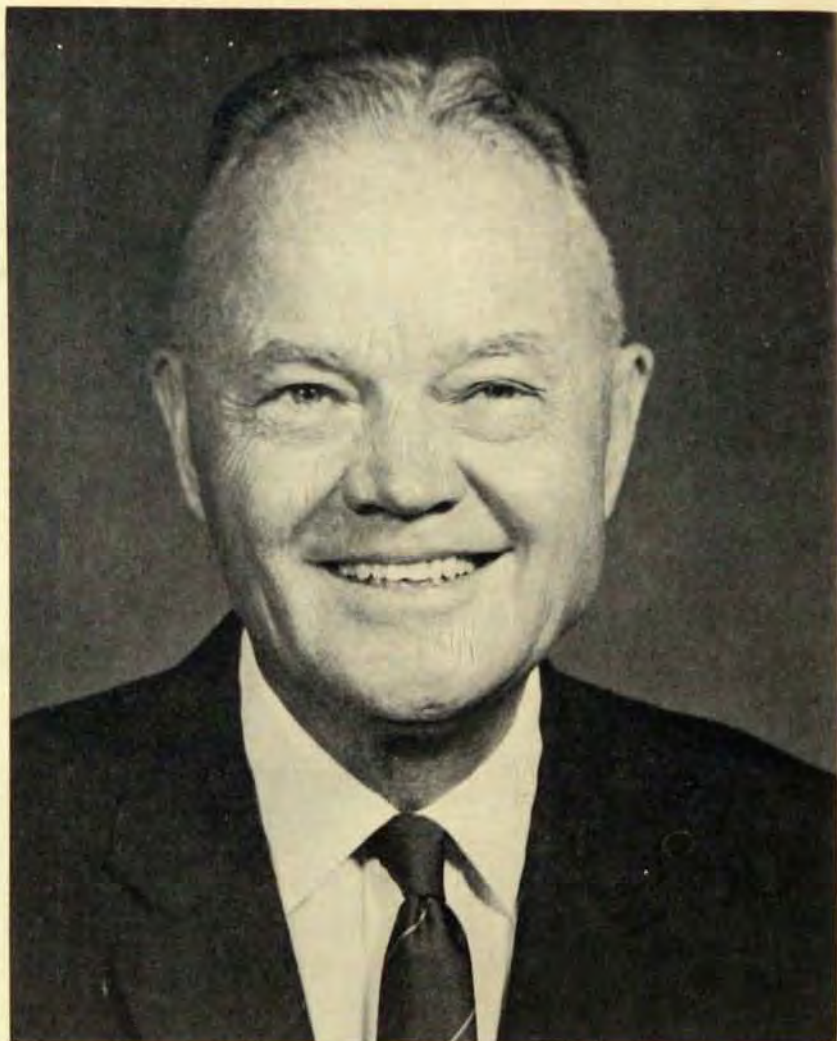
In 1930 he became an assistant to the U.S. Attorney General in Washington, D.C., a post he held for 11 years. During these years he became well-known for his crusading and foresighted work in many legal areas.

He tried a number of anti-trust cases, including the *United States v. Aluminum Company of America, et al*, the longest trial ever to appear in United States courts. He tried *United States v. Schechter, et al*, a trial which decided the unconstitutionality of the NRA.

Rice argued *United States v. Sugar Institute* involving trade associations in the U.S. Supreme Court, and he drafted the Federal Anti-Racketeering Act for Congress.

In 1941 Rice left his government post to become general counsel for Reynolds Metals Company. The next year he became a vice president and director of that company, and, a year later, president of Reynolds Mining Corporation.

From 1944 until 1968, Rice served as president of the Caribbean Steamship Company, Reynolds Haitian Mines, Guianan Mines, Lydford Enter-



AMBASSADOR WALTER L. RICE '25BA

prices, Inc., and several other corporations.

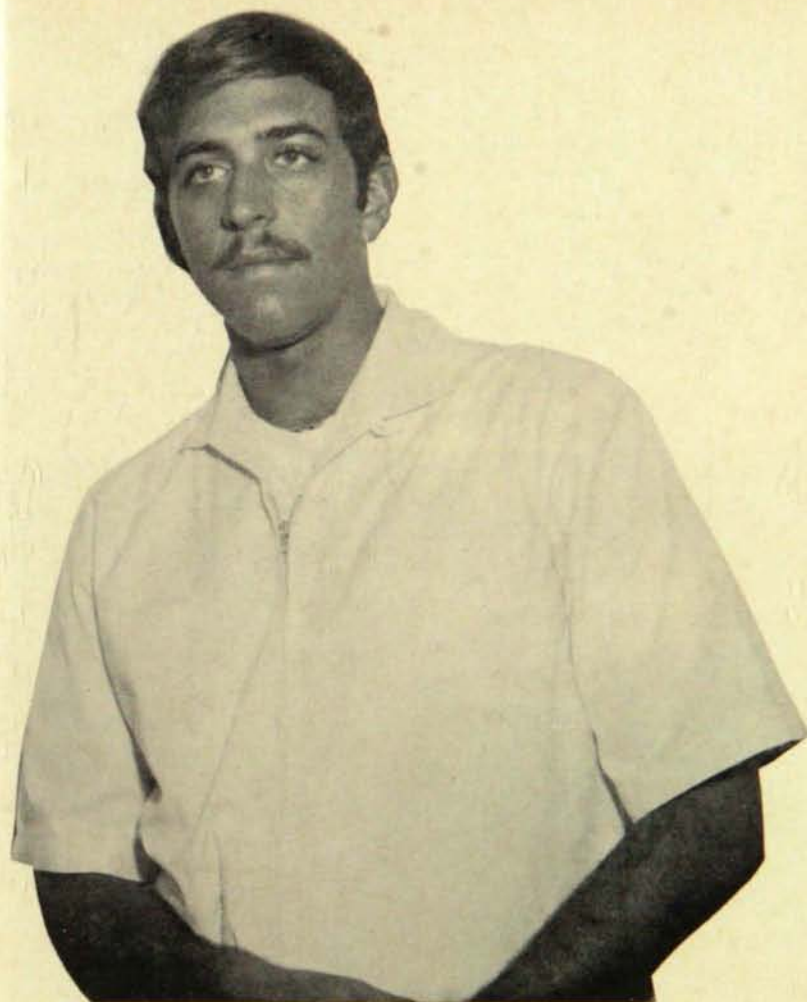
Paralleling this work in business was the energy he devoted to the U.S. Chamber of Commerce. Ambassador Rice served on that organization's policy committee as chairman from 1965-66, as director of the U.S. Chamber from 1965-69 and as a vice president from 1967-69.

Walter Rice was one of ten children — all of whom attended the University of Minnesota — of the Carl Rices of Minneapolis. Among the six Rice brothers, two have become doctors and two lawyers.

While on the University

campus, Ambassador Rice was a member of the University Debating Team, editor-in-chief of the *Minnesota Daily* in 1925 and its managing editor in 1926, president of Sigma Delta Chi, a member of Chi Phi fraternity and elected to Phi Beta Kappa, president of the Spanish Club and the first year law school class, voted a "Representative Minnesotan" and was a member of the University Band.

In 1954 the University of Minnesota awarded him their highest honor for his outstanding achievements in law and in business — the Outstanding Achievement Award.



DR. J. EDWARD SHEPARD '70DDS

DR. J. EDWARD SHEPARD '70DDS is a young Minnesotan on the move as a practicing dentist, author and lecturer.

Dr. Shepard is currently a dental surgeon in charge of a Dental-Medical facility in the U.S. Air Force at Fischer AFB, North Carolina. And, while in the service, he has completed courses at the USAF Medical Service School in administration, physiological training and advanced oral surgery techniques.

One of his over-riding ambitions as a young dentist has been to initiate and maintain better dental health programs for school children and for communities. To achieve these ends,

Dr. Shepard writes a weekly editorial column, titled "From The Mouths of My Patients," this is read by thousands in both Air Force and newspaper periodicals, and is the head of Shepard Healthcare Publications, St. Paul, an organization whose purpose is "to help more people to better dental health by providing visual aid and other educational material that stresses the importance of regular visits to the dentist, better nutrition in the foods you eat and good home oral hygiene habits."

Dr. Shepard's most recent book is *Dentistry for the Patient*, a 111-plus-page, softcover guidebook for individuals seeking and promoting dental care.

UNIVERSITY PRESIDENT MOOS HEADS PHASE II EDUCATIONAL FREEZE GROUP

Malcolm Moos, president of the University of Minnesota, will head a Higher Education Advisory Committee on Wages and Prices formed by the American Council on Education and six other leading associations in the field of higher education.

The committee was created in response to widespread concern and consultation throughout the academic community on the effects of the current economic freeze on educational institutions.

The committee, four of whose members are professional economists, held its first meeting on October 20 in Washington, D.C.

The main concern of the group will be to utilize Phase II of the freeze to eliminate inequities created by the timing of Phase I, and to offer cooperation in the design and execution of a post-freeze economic program to control inflation. The committee expects to be able to provide data and analyses on wages and prices, including rate of change, in the field of higher education so that effective action can be assessed by the appropriate federal boards and commissions.

The seven national groups responsible for naming the committee were the American Association of Junior Colleges, American Association of State Colleges and Universities, American Association of University Professors, American Council on Education, Association of American Colleges, Association of American Universities and the National Associations of State Universities and Land-Grant Colleges.

dave shama's gopher tales

"WE WON an old basketball shoe and hockey skate laced together and painted gold for taking the annual cross-country meet between the hockey and basketball teams — a sort of conditioning drill," Coach Sonmor said.



SINCE Glen Sonmor became the hockey coach at the University of Minnesota in 1966 he has formed a reputation as a winner and something of a marathon talker.

The staff at Cooke Hall claims that unless they have an extra few minutes they have to duck the friendly Canadian who has coached the Gophers to a WCHA championship and second place finish in the NCAA Tournament during the last two years.

When speaking at a banquet, Sonmor has almost always given the entertainment committee its money's worth. But the Gopher coach was talking a little bit less this fall on the banquet circuit and says the audience reaction has never been better.

"I just get up to that mike and tell people we are going to win the national championship," Sonmor said. "They love it."

Sonmor is fond of the thought, too, and, although the popular coach must be considered an optimist, he honestly believes the Gophers can realize their goal.

"We've been close to the national title the last two years, and, while we have some rebuilding, I know we can do it," Sonmor said.

Seven players graduated from last year's 14-17-2 team which faltered for most of the season and then came on so well it nearly won the national championship.

Three players are particularly difficult for Sonmor to forget and replace - defensemen Wally Olds, Bruce McIntosh and Frank Sanders.

All three were exceptional players. Olds was an all-American, McIntosh was voted team MVP and Sanders was also outstanding.

"At the NCAA Tourney last year people said our defense was the best in college hockey;

so you can see what we have to try to replace," Sonmor said.

Captain Jack Thoenke, Bill Butters and Dixon Shelstad are the most likely replacements, according to Sonmor. Thoenke and Butters played defense last year, while Shelstad is a converted center. Other possibilities on defense are Jim Knutson, John Perpich and Tim Schroeder.

Sonmor says the best he hopes for from his defense is that it is of average strength. He believes it will be.

The Gophers began to play effective hockey last year when Sonmor inserted Dennis Erickson in the goal and formed the line of Mike Antonovich, John Matschke and Dean Blais.

Sonmor says Erickson is the starting goalie until beaten out. Brad Shelstad, who played some a year ago, and Jim Hastings, a transfer from the University of Michigan who will become eligible January 1, provide depth.

"We're going to have three very fine goalies to work with so I'm not worried about this position at all," Sonmor said.

During the early part of last season the Gophers had difficulty scoring. Led by the Antonovich, Matschke and Blais line, Sonmor doesn't think scoring will be a problem this year.

Antonovich scored 41 goals in 23 summer games while playing Olympic Development Hockey in the Twin Cities. The second leading scorer had 20 goals.

"Mike really has a knack for scoring," Sonmor said. "He is just a little guy (5-foot-7), but he is tremendously exciting and talented."

"He received a standing ovation from the crowd out east last year after the NCAA Tourney. I think Mike is the best player in the country."

Blais scored 16 goals last year to lead the team, while Antonovich had 14 and Matschke, who didn't play much until late in the year, had five.

Sonmor said the Gopher's second line will likely be Jim Gambucci, John Harris and Bruce Carlson.

Other forwards expected to contribute include Robbie Harris, Doug Peltier, Pete Anderson, Don Dumais, Cal Cossalter and Mike Polich who Sonmor compares to Antonovich.

It gives Sonmor considerable satisfaction to know he has a Minnesota roster with which he can bid for honors.

"When I came here everyone was saying you can't win with Americans, but we've proved you can, and now even Denver is recruiting Minnesota boys," Sonmor said.

Denver and Michigan Tech may have the two best WCHA teams this year, according to Sonmor. Denver has every player returning from last year except one, and Tech is nearly as experienced.

The Gophers open their season November 12 and 13 with a pair of games in Duluth. The Bulldog games will be the first of eight straight road contests for the Gophers.

"We'll find out in a hurry how good we are," Sonmor said.

"I'm hoping we can just hold in the race by the first of the year because the schedule will then be in our favor."

The Gophers play their first home game December 7 against the U.S. Olympic team and an initial series December 17-18 with Duluth.

During a stretch in January and February the Gophers play six straight series at home, including games with Denver, North Dakota, Notre Dame and Wisconsin.

If the Gophers can win their share of those games, they may well be on their way to a national title and a huge trophy.

"The hockey team began the year by winning a trophy and would like to end it by winning another," Sonmor said.

"We killed'em."

THE ALUMNI

ECONOMIC POLICY — WHAT NEXT? IS THEME OF 18TH ANNUAL INSTITUTE OF SCHOOL OF BUSINESS ADMINISTRATION

Economic Policy — What Next? is the theme of the 18th Annual Institute of the University's School of Business Administration (SBA), Graduate School of Business Administration and SBA Alumni Association to be held Monday, November 15, at the Radisson Hotel in downtown Minneapolis.

The afternoon program will open at 1:30 p.m. with registration and a keynote address by Bruce K. MacLaury, president of the Federal Reserve Bank of Minneapolis. MacLaury will speak on "Government and Business: Prickly Partners."

Four concurrent panel sessions, beginning at 2:30 p.m., deal with the general theme of the 18th Institute.

They include Corporate Responsibility and The Consumer, chaired by Ivan Ross, SBA associate professor of marketing, with panelists Robert W. McGregor, vice president and executive director of the Dayton-Hudson Foundation, Earl Brooks, vice president-public relations of The Pillsbury Company, and Dean R. Lewis, vice president-customer service of Montgomery Ward & Company;

Price Pegging Problems: Past, Present and Prospective, with panelists W. Bruce Erickson, SBA associate professor of management and transportation, Richard K. Gaumnitz, SBA

professor of management and transportation, and Roger B. Upson, SBA associate professor of finance and insurance;

Wage Price Freeze: Implications to Business and Labor, chaired by Jack J. Flagler, SBA professor and director of Labor Education Service and professor of industrial relations, with panelists William H. Gary, manager of Associated General Contractors of Minnesota, Mario F. Bognanno, SBA assistant professor of industrial relations, James H. Wishart, research director of Amalgamated Meat Cutters & Butcher Workmen, AFL-CIO, and a representative from the President's Cost of Living Council;

Impact of the Investment Credit, chaired by John K. Simmons, SBA professor of accounting, with panelists James G. Peterson, chairman of the board of Dain, Kalman & Quail, Willis Dombrowske, treasurer of Electric Machinery Manufacturing Company, Richard Wolfson, chief of the audit branch of the Internal Revenue Service, and Robert K. Zimmer, SBA professor of accounting.

The General Session of the Institute will open at 4:15 p.m. and feature James Don Edwards, dean of the School of Business Administration, speaking on "Our 53rd Year and Beyond."

The evening program will

open with a social hour at 5:30 p.m., followed by the 18th Annual Institute Banquet at 6:30 p.m. Wheelock Whitney, chief executive officer of Dain, Kalman & Quail, is the banquet's featured speaker.

Registration fee, which includes dinner, for the 18th Institute is \$10.00. Patron tables of eight are available at \$120.00. Reservations can be made by contacting the School of Business Administration Alumni Association, University of Minnesota, 2610 University Avenue, St. Paul 55114, or telephoning 373-2466.

DENTAL ALUMNI PLAN MEETING FOR NOVEMBER 19

The School of Dentistry Alumni Association will hold its Annual Meeting luncheon on Friday, November 19, in the Main Ballroom of Coffman Memorial Union on the University's Minneapolis campus.

The noon luncheon will be preceded by a social hour with senior dental students, and followed by a panel discussion and informal visit of the University's School of Dentistry.

A highlight of the meeting will be the presentation of A. B. Hall Award to Dr. George Porteous '34DDS, a private



AMONG THOSE SEATED at the head table during the Annual Luncheon meeting of the Minnesota Alumnae Club on October 9 were, from the left, outgoing president Ms. Margaret M. Mull '31BS; Minneapolis eleventh ward alderman Gladys Sinclair Brooks '36BA, a former Outstanding Achievement Award recipient who was guest speaker for the event; Edwin L. Haislet '31BS '33MA '37EdD, executive director of the Minnesota Alumni Association; and the new Alumnae Club president Ethelyn Johnson Bros '26BSEd. Other officers of the Alumnae Club include Patricia McFadden Partridge '43BS, first vice president; Darlene Kalfahs Haskin '62MA, second vice president; Ms. Eileen T. Russell '43BBA, secretary; Ms. Betty Schlick '52BA, treasurer; Ms. Irene D. Kreidberg '30BBA, historian.

practitioner in Minneapolis and former clinical assistant professor at the University.

A full day of activities, beginning with registration and a coffee hour at 8:15 a.m., is available to dental alumni who return to the Minnesota campus for the luncheon meeting.

The morning program includes a welcome by Dr. Erwin M. Schaffer, dean of the School of Dentistry, and Dr. Robert E. Lee, president of the Dental Alumni Association; a keynote address by Dr. Paul Morgan on "The Challenge," introducing the subject of medical emergencies in the dentist's office; a movie, "The Pulse of Life"; and a discussion and demonstration of emergency measures in cardiopulmonary resuscitation by Dr. Joe Buckley.

Reservations for the all-day program, including the luncheon, can be made at \$6.00 per person by contacting the School of Dentistry Alumni Association, 2610 University Avenue, St. Paul 55114, or telephoning 373-2466.



MAXINE KURTZ '42BA, right, technical director of the Denver (Colo.) Model Cities program, who was honored at the October 9 Annual Meeting of the Minnesota Alumnae Club with the University's Outstanding Achievement Award, paused to admire the tokens of her award after the meeting. With her is Ms. Barbara J. Stuhler '52MA, associate director of the World Affairs Center and an associate professor at the University of Minnesota, and a member of the MAA board of directors, who made the presentation.

THE UNIVERSITY

U OF M TECHNICAL COLLEGE - WASECA OPENS IN SEPTEMBER WITH 134 STUDENTS



THE UNIVERSITY TECHNICAL COLLEGE — WASECA officially opened on September 27, 1971, with 134 students enrolled. A ribbon-cutting ceremony was held to herald the beginning of classes at the new two-year college established to prepare students for positions in broad fields related to agriculture.

Representative Rodney Searle, left, and Dr. E. C. Frederick, right, Provost of the College, are shown holding the "ribbon" of baler twine, symbolic of the agricultural mission of the college, as President Malcolm Moos, second from left, and Regent Neil Sherburne cut the "ribbon."

The University of Minnesota Technical College-Waseca officially opened for classes on September 27, 1971, with an enrollment of 134 students representing 39 Minnesota counties and one non-resident from North Dakota.

A third week enrollment of approximately 140 students was anticipated, and additional adult specials had indicated interest in enrolling for fall quarter.

Students are taking one of six programs within the college curriculum. These six include Agricultural Production, Agricultural Industries and Services, Agricultural Business, Horticultural Technology, Animal Technology, and Home and Family Services. All programs are designed to prepare students for semi-professional positions in broad fields related to agriculture.

The Waseca Technical College is a new school offering a two-year collegiate level program with the Associate of Applied Science degree being granted upon satisfactory completion of the course of study.

REGENTS FILL ADMINISTRATIVE POSTS, NAME FOUR TRUSTEES

A new dean, the director of a professional school and a department chairman were appointed and four trustees of the University of Minnesota Foun-

dition were elected recently by the Board of Regents.

Albert J. Linck, formally assistant director of the University's Agriculture Experiment Station, was named dean of the College of Agriculture. His appointment was effective October 16.

Alan D. Wade, dean of the



ALBERT J. LINCK

School of Social Work at Sacramento (Calif.) State College, was appointed director of the University's School of Social Work.

And, Norman A. Sprinthall, a member of the counseling psychology faculty at Harvard University, was named associate professor and chairman of the department of counseling and student personnel psychology in the University's College of Education.

Linck, a plant physiologist, has been a member of the Minnesota faculty since 1955 and has been assistant director of the Agricultural Experiment Station since 1966. He has a PhD from Ohio State University and served from 1964 to 1968 as director of the National Science Foundation academic year institute in biology. He is a

member of a large number of professional organizations and has authored or co-authored more than 40 scientific papers.

The College of Agriculture is one of three colleges in the Institute of Agriculture, headed by Dean Sherwood O. Berg.

Wade has been dean of the School of Social Work at Sacramento since 1967. From 1959 to 1967 he was an associate professor in the School of Social Service Administration at the University of Chicago. He has a bachelor's and master's degrees from the University of Wisconsin and a PhD from the University of Chicago. From 1956 to 1959 he was chief social worker at the Wisconsin Diagnostic Center (Madison), Division of Mental Hygiene, State Department of Public Welfare.

Wade is an active member of the National Association of Social Workers (NASW) and currently serves as the group's first vice president. In 1967 he was named the first "Chicago Social Worker of the Year" by the city's area NASW chapter.

Sprinthall, whose appointment begins December 16, has been an associate professor of counseling psychology at Harvard University. He is a certified psychologist who holds bachelor's and master's degrees from Brown University and a doctor of education degree from Harvard University.

The four members of the University of Minnesota Foundation board of trustees who were elected include James F. Brinkerhoff, University vice president for finance, planning

The importance of a **WILL**

A will is the basic instrument of any estate planning. Without a will, the individual loses all control over the distribution of his estate. May we suggest that your will is a useful and fitting vehicle for benefiting your Alma Mater.

A bequest to the University of Minnesota Alumni Fund provides an unusual opportunity for investing in the future of the University and the state which it serves. There is also the opportunity to create a memorial so that a person can be remembered to posterity.

You may also promote excellence at the University of Minnesota with gifts of cash, property, securities, bargain or donative sales, life insurance agreements, gifts of current income and gifts of insurance.

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THE UNIVERSITY

and operations; Mrs. Marjorie Howard, a retired member of the Board of Regents; Regent Lester A. Malkerson; and Stanley J. Wenberg, University vice president for coordinate campuses and educational relationships. Brinkerhoff was named to succeed Laurence R. Lunden who retires this year after 12 years as a University vice president. Howard, Malkerson and Wenberg were re-elected to the board.

The Regents appoint eight of the foundation's 35 trustees. The others are elected by the trustees themselves.

Continuing their terms as Regents' appointees to the board are Elmer L. Andersen, chairman of the Board of Regents; University President Malcolm Moos; Raymond Plank, chairman of the Apache Corporation; and John H. Myers, president of Hoerner-Waldorf Corporation.

The University Foundation was begun in 1962 as a non-profit corporation to solicit funds for efforts which are not supported by tax funds. Recent projects include a student honors program and a crash program to find a cure for leukemia.

UNIVERSITY POLICY ON CLASSIFIED RESEARCH APPROVED

The public's "right to know" — particularly if they happen to be paying the bill as taxpayers — and the demands for secrecy in certain types of research often conflict.

Such conflict at the University has been argued for several years. However, it was resolved greatly in early October by



IT DEAN WARREN CHESTON, right, was the special guest at a recent luncheon hosted by the Institute of Technology Alumni board and past presidents during which he was presented with a specially-engraved Minnesota pen set by Glenn W. Schwartz, left, president of the IT Alumni Association. Cheston has left the University to become chancellor of the University of Chicago Circle Campus. Richard A. Swalin, former IT associate dean, is assuming Cheston's duties as head of the Institute of Technology. He was also feted at the luncheon.

the Board of Regents.

More specifically, a newly adopted University policy on secret research and an accompanying interpretation, states that the University will not accept support from any source for research, which, under provisions of a given contract or grant, is found to limit free and open inquiry.

A key sentence in the policy's interpretation states, "during the course of, or following the completion of an investigation, should a sponsor attempt to limit the full and prompt dissemination of results by withholding approval to release findings, for other than reasons of scientific merit, all contracts with that agency should be re-evaluated . . ."

In presenting the new policy to the Regents for approval,

University vice president William Shepherd commented that "classified research is inappropriate on the campus. Free and open inquiry is the very essence of the academic institution."

Shepherd added that he did not feel the University should attempt to bar professors and other University researchers from participation as consultants on classified projects off campus.

"This could bar them from access to information they might not receive any other way, as well as preventing their being called in as consultants on vital issues elsewhere," he said.

The policy also prevents the University from making available "any of its facilities for which permission is required to any individual, group or organization for research which violates"



MIDWEST FEDERAL TO SUPPORT U OF M BUILDING FUND

Midwest Federal Savings and Loan Association, Minneapolis, and the University of Minnesota signed a contract recently to support the University of Minnesota Bands Building Fund. Harold W. Greenwood, Jr., pictured above fourth from the left, president of Midwest Federal, and Dr. Malcolm Moos, University president, signed a five-year agreement to help underwrite the cost of building and remodeling band rehearsal, storage, equipment and library rooms in the lower level of Northrop Auditorium on the University's Minneapolis campus. President Moos is shown above accepting the first \$5,000 check from Greenwood. Others who attended the presentation included, from the left, Gerald R. McKay '39BSAgEd, a Band alumnus; Dr. Frank Benciscutto, director of the University Bands; Band alumni James Fastle '55 and Richard Ford '40; and James Foster, a current member of the University Band. Midwest Federal is the major benefactor of the University of Minnesota Bands Building Fund and rights holder for Gopher athletic events.

the new policy.

The new policy supplements a decision made in 1969 which prevents the University from accepting research support from any source that restricted disclosure of the existence of the contract or grant, the identity of the sponsor or grantor, or the purpose and scope of the proposed research.

Another 1969 provision which remains in effect specifically exempts research by faculty members on-leave from the University or serving as consultants.

Also exempt from the disclosure provisions of the new policy are research projects such as those involving the collection of confidential personal opinions and attitudes, and certain research involving the analysis of the characteristics or uses of proprietary devices and substances, "provided that the results of such research may be published freely in the aggregate or used to guide the design of broader research activities."

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alumni news

DEATHS

Dr. Arthur N. Collins '02BA, Duluth, Minn., retired surgeon, died recently.

Mrs. Alice D. Donovan '02BA, Minneapolis, poet and playwright, who taught creative writing in the Twin Cities, died March 28.

Dr. William A. Brand '04MD, Redwood Falls, Minn., 95, physician in Redwood Falls for 70 years and one of the state's oldest practicing doctors, who was also a former mayor of Redwood Falls, died Sept. 26.

Samuel J. Thompson '05, Cincinnati, Ohio, died March 9.

Simon H. Ingberg '09CivE, Bethesda, Md., 93, who taught theoretical and applied mechanics at Leigh University, and organized and directed the fire resistance and prevention section of the U.S. Bureau of Standards, Washington, D.C., died Feb. 27.

Dr. Edward W. Ostergren '09PhD, Little Canada, Minn., 85, retired physician who was voted "Outstanding General Practitioner of Ramsey County" in 1948, died recently.

Dr. T. L. Stickney '11DDS, Fair Haven, Minn., 84, a pioneer in dental examinations for school children and active in the study of dental clinics, died August 19.

Mrs. Gunnar Nordbye '12LLB, a past president of the Minnesota Alumnae Club, died March 19.

Chester Wilson '12LLB, Stillwater, Minn., died May 10.

Edwin T. Hodge '13BA, Portland, Ore., died recently.

Cornelia Morgan Guilbert '14BA, Pacific Palisades, Calif., died June 8.

Dr. John B. Doyle '15BS '23MS, Los Angeles, Calif., former assistant professor of medicine in the Mayo Graduate School of Medicine, Rochester, Minn., died March 27.

Dr. Bruce W. Jarvis '15MD, St. Paul, Minn., 84, a Methodist medical missionary in China and India and superintendent of Hopkins Memorial Hospital, Peking, died Jan. 18.

John J. Gill '15AMS, Minneapolis, 79, who founded the Gill Brothers Funeral Chapel, died June 27.

Arthur L. Anderson '16BS, Ames, Iowa, 77, died March 8.

Walter J. Spriggs '16MA, died Sept. 19.

Mark M. Heald '17MA, Princeton, Minn., a member of the history faculty at Rutgers University and founder of the Princeton Unitarian Fellowship, died Jan. 6.

Roberta B. Hostetter '20LLB, Minneapolis, died recently.

Leo Isaac '20BSFor, Portland, Ore., died recently.

Norman Kingsley '20IndE of California died in March.

Herbert L. Lewis '20BA '21MA, St. Paul, 72, former editor of the *St. Paul Dispatch* and *Pioneer Press*, died May 5.

Antonia Louise Nyquist '21BFA, died April 16.

Dr. Peter T. Swanish '21BSB, Chicago, Ill., 75, former chairman of Loyola University's business management department and a faculty member there for 25 years, died August 15.

Ralph V. Hilgedick '22ME, St. Paul, died March 31.

Christian Orrin Markson '22BCE, Brainerd, Minn., retired city engineer of Brainerd, died recently.

Dr. E. Burdette Clark '24 DDS, St. Paul, a dentist in St. Paul for 47 years and past president of the St. Paul Dental Society, died June 5.

Harry Kregal '23LLB, Portland, Ore., died recently.

Dr. Victor S. Quale '23BS '24BMed '25MD, Concord, Mass., who owned a pharmacy in Rochester, died recently.

Leonard J. Sloan '23BS '26MA, 66, Sherman Oaks, Calif., died recently.

D. K. Stewart '23LLB, Minneapolis, died Feb. 16.

Herbert W. Gillard '24CivE, Tucson, Ariz., 79, head engineer for Infilco, Inc., died Feb. 1.

Annabelle Gingold '24GDH, St. Paul, died April 21.

Dr. Urban Howe Merrill '24MS, Bangor, Maine, consultant in ophthalmology, otolaryngology and rhinology, died Jan. 31.

Paul Nystrom '24BSB, Minneapolis, 71, formerly a partner in the Law, Law, Potter and Nystrom architecture firm, died Jan. 7.

Judge George M. McKenna '03LLB, former resident of Napoleon, North Dakota, where he had served as states attorney and district judge, died September 7 in Minneapolis' Eitel Hospital where he had been a patient for three weeks.

Judge McKenna came to Napoleon in 1903 and was state attorney from 1904 to 1918. He was district judge from 1921 until 1942 when he resigned because of ill health due to a heart condition.

In recent years the judge and his family — wife Edith and daughter Marcella — had lived in the Hampshire Arms Hotel, Minneapolis.

Donald R. Ranger '24CE, Phoenix, Ariz., a registered professional engineer in Montana, died Jan. 24.

Mrs. R. F. Stebbing '24BSEd, St. Paul, died recently.

James Barton '25BA, Pittsburgh, Penn., manager of the sheet and strip division of U.S. Steel, died March 22.

William F. Maughan '25BSFor, Greenbelt, Md., died June 26.

Ruth Noer '25MS, Grinnell, Iowa, assistant dean of home economics at the University of West Virginia, died recently.

A. T. Edholm '26BSB died July 4.

Mrs. Dorothy M. Kuhrt '26MA, Sacramento, Calif., died Feb. 11.

Stanford Bisell '27BA, Los Angeles, Calif., among Occidental's top agents in volume and/or premium, died recently.

A. C. Flegal '27BArch, Corona del Mar, Calif., died in May.

Dr. M. B. Hesdorffer '27PhD, Martinsville, Va., former director of health and medical care for the Hennepin County Welfare Council, died Jan. 3.

Dr. Samuel C. Lucas '27DDS passed away in May 1965.

Dr. Paul G. Bunker '28MD, Aberdeen, S.D., 66, retired ear, nose and throat specialist, died Sept. 8.

Mike Gary '28BBA '40MA, Kalamazoo, Mich., 69, a retired athletic director who played football at the University of Minnesota from 1924 to 1927 and later became a star for the Chicago Bears, died recently.

Harvey Walker '28MA of Ohio, 71 a teacher, scholar and government consultant, died May 22.

Dr. Robert N. Barr '29PhD, Minneapolis, executive officer of the Minnesota State Board of Health, died recently.

John A. Priest '29BA, Washington D.C., who was president of the class of 1929 at the University of Minnesota and worked for 25 years in government services, died Sept. 16.

Dr. Myer W. Rubenstein '29MS, Pittsburgh, Penn., associate professor of dermatology and syphilology in the University of Pittsburgh School of Medicine, died recently.

Barbara H. Schmitt '29BA, Santa Monica, Calif., died recently

Dr. George K. Wharton '31MS, West Los Angeles, Calif., 67, professor of medicine and a specialist in internal medicine, died Feb. 14.

Kenneth B. Hougen, Sr., '32AE, Wascott, Wisc., 63, a former director for Northwest Airlines, died Sept. 13.

Roland J. Henning '32LLB, San Francisco, Calif., 62, deputy city attorney for 12 years and formerly a commissioner of the State Industrial Accident commission, died recently.

Elvero J. McMillan '32LLB, 61, Duluth, Minn., a lawyer, former editor of the *Minnesota Law Review* and a past president of the University of Minnesota Law School Alumnae Association, died recently.

Paul C. LaLiberte '33BMEE, 57, Duluth, Minn., an industrial and civic leader who was president of Cutler-Magner Co., Cutler-LaLiberte-McDougall Corp. and the Northwestern Salt Co., died recently.

Dr. Charles Gates '34PhD, Seattle, Wash., professor of History at the University of Washington, died recently.

Jeanne Hale Bondy '35BA, 52, New York, editor in chief of E. M. Hale & Co., publisher of Cadmus books and owner of the Jeanne Hale literature agency, died recently.

Margaret Montgomery '35BSHE, San Bernardino, Calif., who taught at Sturgis Junior High, died recently.

Dr. S. Austen Reep '35BBA, '40MA, 57, Long Beach, Calif., professor of finance at California State College, died recently.

Dr. Adolph A. Anfinson '36DDS, 62, Edina, Minn., a dentist, died in Jan.

Dr. Arthur J. Gatz '36MS, 63, Augusta, Ga., professor and chairman of the department of anatomy at the Medical College of Georgia, died Jan. 29.

Dr. Charles William Fogarty, Jr. '37BS '38BMed '39MD, St. Paul, Minn., a specialist in internal medicine, died recently.

Dr. Walter F. Kvale '37MS, 63, Rochester, Minn., professor of medicine in the Mayo Graduate School, died recently.

Dr. Eric M. Chew '38MS, 64, Merian Island, Wash., member of the staff of the Swedish Hospital Medical Center, died recently.

Dr. Colin R. Lovell '39BA, 52, Los Angeles, Calif., a professor at the University of Southern California, died recently.

Dr. Henry B. Nachtigall '39MD, 56, Purchase, N.Y., former medical director of PepsiCo, Inc. died recently.

Dr. Lucile Yye '40PhD, Phoenix, Ariz., retired orthodontist, died Sept. 27.

Mrs. Ellen A. Meyers '42BSEd, 50, Seattle, Wash., died recently.

Lucy McCormack '43MA, Spokane, Wash., an instructor at Alabama College and the University of Kansas, died recently.

Dr. Allan E. Moe '43MB '43MD '46MS, Sacramento, Calif., a physician, died recently.

Dr. Emil Bergendahl '46PhD, Fort Wayne, Ind., an otolaryngologist, died recently.

Robert O. Blatt '49BBA, Fergus Falls, Minn., 46, trial lawyer, died recently.

Four recipients of the University's Outstanding Achievement Award, Dr. Cleo Brunetti '32BEE '37PhD, Marion L. Faegre '12BA, Leo A. Isaac '20BSFor and Whitney M. Young '47MA died recently.

Dr. Brunetti of San Jose, California, an electronics pioneer whose work ranged from the invention of a two-day "Dick Tracy" wrist radio to the design of huge solid-fuel rockets, died May 22 of a heart attack. He was director of long-range planning for FMC Corporation, San Jose, at the time of his death.

During his career, Dr. Brunetti was president and director of Grand Central Rocket Company, director of engineering research and development for General Mills and associate director of Stanford Research Institute. He also spent eight years with the National Bureau of Standards and was a professor at the University of Minnesota, Lehigh, George Washington and Stanford universities.

He served as a consultant to the assistant U.S. secretary of defense, the vice president and the governor of Minnesota. He was 61.

Mrs. Faegre, a Minneapolis native and author of numerous pamphlets on child care, died March 27, at age 83, in a nursing home in Rockville, Md.

After graduating from the University she became an assistant professor of child development at the University. During the 30's she produced a series of leaflets on child growth that were based on the findings of the 1930 White House Conference.

Twelve years later Mrs. Faegre joined the U.S. Children's Bureau, Washington, D.C., as a consultant to communities developing day-care services for mothers working in defense industries. And, at the end of World War II, she began developing pamphlets on the care and raising of children for the Bureau. One of these reached a distribution of about 20 million copies.

She is also the co-author of *Child Care and Training*.

She retired from the Children's Bureau in 1954, the same year that she received

the University's OAA.

Isaac, an eminent research forester, died last December at age 78 in Oregon. During his 32-year career with the U.S. Department of Agriculture's Northwest Forest and Range Experiment Station, Portland, Oregon, he attained national recognition and honor as an expert on Douglas fir culture.

He retired from the federal service in 1956 and accepted a 30-month assignment in Turkey from the United Nations, after which he traveled extensively throughout Europe on special seed-use assignments. When he returned to his homeland, Isaac accepted a visiting professorship at Oregon State University, and became executive secretary of the Columbia River-Puget Sound section of the Society of American Foresters. He retired in 1968.

Whitney M. Young, Jr., executive director of the National Urban League, died March 11 in Nigeria. He was 49.

A man who devoted his life to helping others, Young joined the St. Paul Urban League in 1945 after he received his master's degree from the University's School of Social Work.

He also headed the Omaha Urban League and, in 1954, became dean of the Atlanta University School of Social Work. He had headed the National Urban League since 1961.

Young, who had served on seven Presidential Commissions, held membership in a number of professional organizations and served on the boards and advisory committees of several important organizations and groups representing a variety of national interests and responsibilities, among them the Rockefeller Foundation, Urban Coalition and Urban Institute. He was the recipient of numerous honorary degrees and awards from U.S. colleges, universities and organizations and was one of 20 Americans selected by President Johnson to receive the "Medal of Freedom", the nation's highest civilian award.

The University presented him with an Outstanding Achievement Award in 1960.

alumni news
**THE ALUMNI
 BOOKSHELF**

riage, divorce and widowhood. The authors focus on marriage behavior during the young adult through middle years of life, when most first marriages, divorces and remarriages occur, and explores the relative importance of various demographic elements in promoting marriage at mature adult ages and in explaining circumstances when marriages tend to fail.

Throughout the book, comparisons of the strengths and weaknesses of Negro and white marriages are featured. And chapters are also included on individuals who never marry and previously unpublished tables on relationships between marital status and health, with interpretative comments.

The volume brings out many significant but little-known facts about marriage — being rich does not seem to make marriage stable so much as being poor makes marriage unstable; bachelors and spinsters are becoming fewer and fewer; dropping out of high school or college increases the chance for a disrupted marriage.

The book sells for \$8.50.

Carter was formerly chief of the marriage and divorce statistics branch of the U.S. Public Health Service, and has taught sociology at the University of Pennsylvania, Haverford College, American and Purdue Universities. He is currently self-employed as a writer and researcher in Washington, D.C.

Erma Wood Carlson '47BA has written a wonderful book of inspiration for all those who

love the Bible — *THE EVERLASTING LIGHT*. This is not just a story about the Bible, but is the Bible reverently condensed into a chronological and interesting narrative in the poetic words of the King James Version.

Said Norman Vincent Peale of the book, "I have greatly enjoyed Erma Wood Carlson's condensation of the

vision falls, how its two plots are related, what place the minor characters have and how the prophecy relates to the rest. He is thus able to analyze the attributes which Milton assigns to God to show how the development of the central characters is organized around the attributes and how they account for the structure and prophecy and the



DR. CECILE GILBERT '33BS '42MA, right, discusses her successful book, *INTERNATIONAL FOLK DANCE AT A GLANCE*, with illustrator Larry Simmons, left, and folk-dancing student Jennifer Cary, center.

King James Version of the Bible. It is very readable and the plan is good. It lifts the Bible out of its ancient form into modern book form, but retains all of its beauty, reverence and inspiration."

THE EVERLASTING LIGHT, complete with a glossary and reference list, is available from Carlson Books, Baytown, Texas, for \$15.00.

Burton J. Weber '65PhD, in his latest book, *THE CONSTRUCTION OF PARADISE LOST*, presents a careful structural analysis of Milton's *Paradise Lost*.

The author first explains where the poem's major di-

functions of the minor characters. In showing how the various elements of the poem relate to its overall meaning, Weber argues that *Paradise Lost* focuses not on God and His treatment of His creatures, but rather on the creatures and their relationship to God.

The book represents a major contribution to the reading of Milton's epic poem, not only through its uncommonly penetrating exposition of the structural scheme, but also through its wealth of supplementary materials.

The 288-page book was published by Southern Illinois University Press in early September and costs \$12.50.

THE MINNESOTA CLOCK



Eli Terry (1772-1852) was one of America's outstanding Colonial clockmasters — an innovator, a Craftsman par excellence, and a far-seeing business man. From his drawing-table and workshop in Plymouth Hollow, Connecticut, came clocks that take first place in the respected traditions of early American clock history. And among his many beautiful designs, is one of the year 1816 which has been considered one of his most noteworthy — extremely simple, graceful, unobtrusive, fine. It is called "Presentation." The clock pictured here recaptures the lines and the spirit of this 1816 masterpiece of Mr. Terry and, as a Presentation Piece, serves to perpetuate his important contribution to the Colonial period. We inscribe, on the dial, in three lines, whatever inscription you want; and we place in the lower panel a photo of Coffman Union on Campus.

"The Presentation", measuring 14" x 9" x 4", entirely hand-crafted in New Hampshire, is in rich honey pine, hand-rubbed to a warm antique glow. It has a guaranteed electric movement of the best quality for long, quiet and trouble-free dependability.

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