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The University of Michigan

U-M Honors Outstanding Faculty; Private Donors Provide the Awards



William Martel

Sixteen U-M faculty members were honored for distinguished scholarship, teaching, and service at the annual Faculty-Staff Convocation. They were chosen by their peers and received some \$16,000 in awards provided by private donors.

"Our real treasure is the distinguished faculty of this University. Without that faculty, this would be just another school," said Thomas V. Koykka, Chairman of the U-M Development Council Board of Directors, introducing the awards.

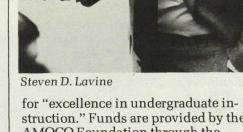
Koykka pointed out that it is a great honor to be adjudged worthy by one's peers. He also noted that the impact J-M professors have had on their students is evident by more than 60,000 alumni who, "through the Presidents Club and Michigan Annual Giving Program supply financial muscle for this institution and for these awards.'

Five faculty members will receive the U-M Distinguished Faculty Achievement Award: Thomas C. Adamson, Jr., professor of aerospace engineering; Stanley M. Garn, professor of nutrition and of anthropology; Myron Levine, professor of human genetics; T. Michael Sanders, Jr., professor of physics; and Charles Trinkaus, professor of history.

The award, including \$1,000 to each recipient, is presented for "distinguished achievement in teaching, research, publication, creative work in the arts, public service, and other activities which bring distinction to the University." Funds are provided by the Michigan Annual Giving Fund of the U-M Development Office.

The AMOCO Foundation Good Teaching Award was given to Jack L. Goldberg, associate professor of mathematics; Frank Grace, professor of political science; Warren J. Hecht, lecturer in Residential College; William Martel, professor of radiology; Warren H. Wagner, Jr., professor of natural resources and of botany.

The AMOCO award, each carrying \$1,500, is given to faculty members



struction." Funds are provided by the AMOCO Foundation through the U-M Development Office. The U-M Faculty Recognition Award was presented to: Donald R.

Deskins, Jr., professor of geography; Barbara L. Forisha, associate professor of psychology, U-M Dearborn; Steven D. Lavine, assistant professor of English; Peter E. Smouse, associate professor of human genetics; and Rudolf P. Thun, associate professor of physics.

The Awards, each carrying \$750, are given to junior faculty members for their "impact on the life of the student body as a teacher and counselor.' Funds for this award come from the Michigan Annual Giving Fund.

The Josephine Nevins Keal Fellowship was awarded to Zane Udris, assistant professor of classical studies. It was established by a bequest from the estate of Josephine Keal.



Thomas A. Adamson, Jr.



Zane Udris

Tough Decisions, Budget Slashes Create Serious Situation for U-M

The State of Michigan is experiencing its worst financial situation since the Depression. Plummeting tax revenues and sky-rocketing welfare rolls have forced the state to cut support to many institutions and agencies that rely on state funds. Higher education is one area where sacrifices are being

Billy E. Frye, vice president for Academic Affairs, has termed the situation for The University of Michigan "extremely serious."

\$9 Million Short

The University has had to deal with a tight budget situation for a number of years, resulting from a series of minimal increases in legislative appropriations. The 1980-81 appropriation marks the first decrease since the Depression. This year U-M will receive only 95 percent of its 1979-80 appropriation. For the Ann Arbor campus, that amount is \$9.1 million below the "worst case" amount anticipated

by the U-M Regents last summer.

Because of the differences between the University and State's fiscal years, the problem worsens to an \$11.1 million shortfall for 1981-82.

Economic Realities

The economic situation translates into the following realities:

- reductions in staff. Cuts in the salary accounts will be equivalent to 520 positions by June 1982.
- reduction in or elimination of programs.
- postponement of badly needed maintenance, renovation, and equipment purchases. "You can do this for a year but not on a sustained basis," Frye said.
- postponement of scheduled new projects not yet initiated.

A number of task forces and advisory groups have been convened to ensure that the cuts cause the least possible damage to the University's mission.

Commitment to Scholarly Research Tops Priority List, Shapiro Says

Even in these difficult times, the University must take action on its 'agenda for intellectual growth,' U-M President Harold T. Shapiro said in his first "State of the University" message at the annual Faculty-Staff Convocation.

Two of the important items on the agenda, he said, are "our commitment to scholarly research and our commitment to affirmative action."

He noted that the University is already deeply involved in both areas, and that they "continue to represent areas of opportunity for the University."

Options for Growth

It is important, especially at times like these, not to focus all our attention on the genuine difficulties we are facing in the state-supported components of our budget.

"We must also nurture and develop the options for growth that are available to us and which speak to our commitments as a scholarly community.

"I believe such options can be se-

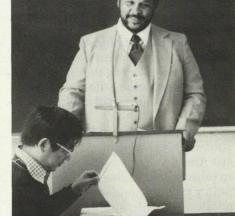
Affirmative Action

Turning to the University's commitment to affirmative action in employment, President Shapiro said it 'represents an opportunity for the University to more fully realize its potential in both scholarship and training.

ahead."

Focusing on the University's commitment to scholarly research, President Shapiro noted that "the longrun prospects for both scholars and scholarship are dependent, in part,

"Despite contrary voices, in the short-run we find ourselves in a societal setting rather congenial and accepting of the scholarly approach and the development of new knowledge.



Donald R. Deskins, Jr.

cured if we are creative, flexible, and committed to the necessary efforts. And I continue to be optimistic. It is clear to me that Michigan has the strength, vitality, and stability to stay on course and prosper in the period

Warren H. Wagner, Jr.

on society's and our own belief regarding the benefits of a rational approach to the challenges of human existence.

Research Seeks Answers to Energy Problems

How will we deal with the energy crises? What are the viable alternatives, their risks, costs, and public acceptance?

Answers to questions such as these are being sought in research projects underway at U-M.

The concern about energy problems has brought an increase in funds—from industry and government—available for energy research. These grants fund research to answer our questions. They also provide more learning opportunities for students who will become professionals confronting our energy problems every day.

Currently U-M has several million dollars in sponsored energy research.

The research conducted at major research universities such as U-M tends to focus on basics; that is, it provides the fundamental foundation for larger corporate engineering designs.

Coal Liquefaction

Studies in coal liquefaction, for example, will be applied to the processes used by coal liquefaction plants being constructed in western Kentucky and West Virginia.

Coal liquefaction is the process by which coal is converted to oil which can be refined to gasoline and other petroleum products, explains Dale Briggs, professor of chemical engineering.

"Through liquefaction, one ton of coal can be converted to approximately 100 gallons of synthetic crude

Coal contains a number of minerals that remain in the liquid product of coal liquefaction. These compounds pose a pollution hazard and must be removed in commercial coal liquefaction plants.

Briggs' research focuses on a filtration process to remove mineral solids and char from the coal-derived liquids rendering them a viable synthetic crude oil.

Solar Energy

Solar energy is popularly cited as an energy alternative. John A. Clark, professor of mechanical engineering explains that solar energy includes not only the light and heat from the sun but also wind (which is influenced by sun).

Students in Clark's classes are studying three complete solar thermal systems using: 1. forced air, 2. a high temperature liquid, and 3. a refrigerant (freon) using the principle of the thermal siphon. The equipment for these experiments was donated by the manufacturers, and the manufacturers will receive feedback on their product.

"People always want to know 'How does it work?" "Clark says.
"'How much energy can I get from this compared to what we have now?" Strangely that's the one question that has not been answered very well for solar energy.

"Solar thermal systems consist of a series of components, usually put together by a contractor. Each manufacturer can tell you what his component will do, but it is much more difficult to know the performance for a complete system in a given location."

Clark is developing a model "which will make it possible to calculate the total operating and ownership costs of a given system for a given dwelling for every hour of the day during a year thus relating the economic considerations with the technical performance," he says.

Entering the Second Century

Recruiting Is Essential to Music School Success

Recruiting top talent for U-M's School of Music is much like recruiting for a football team. The School seeks the best talent available for a given number of positions.

As a result of the Music School's careful recruiting and distinguished faculty, U-M has consistently rated among the top three or four music schools in the nation. This year the School is celebrating the 100th Anniversary of its founding—100 years of leadership in music programs.

The success of recruiting depends on a school's reputation and educational programs, and on its ability to provide financial aid for the students it most wants to enroll.

Each year the School of Music seeks a precise number of oboists, violinists, and singers for its orchestras, choir, opera, and other groups that are central to music education. The numbers vary from year to year according to the positions vacated by graduating students. Students audition for the positions and for scholarships.

Of course, the school also seeks the

Nuclear Power

William Kerr, professor of nuclear engineering and director of the Phoenix Project is one of several individuals whose research focuses on nuclear power.

An interesting and important aspect of energy research is people's perception of acceptable levels of risk, he

For example, Kerr points out that current studies "generally conclude that the risk from coal used to generate electricity is significantly greater than that from nuclear power used for the same purpose."

Yet the public finds these risks more acceptable than those of nuclear power. Just as they are more comfortable with our high mortality auto travel than with statistically safer plane flights, he says.

Kerr cites the need for a study on the public's perception of acceptable risk.

Public Policy

Both private and public policy decisions are central to the application of any energy alternative. Thus faculty and students in the Institute of Public Policy Studies (IPPS) are studying local energy policy processes and contributing to them.

Students in a seminar conducted by Ron Brunner, associate professor of Political Science and IPPS research scientist, are using Ann Arbor as their model.

The students have studied and prepared reports on a variety of community energy measures which are being considered by the Ann Arbor Energy Steering Committee. One of the projects is a low-cost system that taps into the city's bill paying system to keep track of decreasing and increasing energy use in individual city buildings.

Another project helped encourage the city to commission a feasibility study on reactivating the city's hydroelectric plants along the Huron River to generate a portion of city-used electricity.

These studies not only prepare the students for their professions and assist Ann Arbor, they also can be used in other communities as models for policy planning and evaluation. In addition, they illustrate how general technical information can be made available to non-experts who make policy decisions.

most talented students for these positions. Music School Dean Paul Boylan explains, "If the finest young trumpet player in the U.S. comes here to study, all the other students learn from this individual because they are competing with him. The competition causes them to 'stretch' their abilities. In music, competing with one another is a fun part of the education process."

Consequently, the school's limited scholarship program focuses on ex-

camp puts it in touch with some of the finest pre-college talent in the world.

U-M was one of the first schools to develop a doctorate degree in Musical Arts.

Uniform Excellence

But what makes Michigan outstanding among schools of music is the uniform quality throughout the school.

"Whereas some schools may be



traordinarily gifted students. Boylan hopes the school will be able to expand its scholarship endowment.

Scholarships, funded by gifts and endowments, are essential to the success of the Music program. According to Boylan, "graduates from the school typically earn their living as teachers or performing artists and, in most cases, don't have the income potential of other professions—lawyers, engineers, or doctors. They simply are not in a position to pay back enormous loans."

"The School also has been trying to arrange special loan programs for students who have the desire and ability to pursue a professional career in performance "so that they can purchase an instrument of proper quality," Boylan adds. "This is particularly expensive in strings—a performance-quality violin can easily run \$10,000 and more—more manageable in winds."

Successful Graduates

Graduates from the School of Music are in every major orchestra in the U.S. and most major orchestras of western Europe. There are U-M graduates in virtually every major opera company in the U.S. and many of the important opera houses of Europe. Approximately 10 percent of the music administrators in higher education in the U.S. are U-M graduates, as well as a great number of public school music teachers, distinguished scholars, and composers.

U-M has been a leader in the development of music programs throughout the U.S. In fact, the teaching modes at many schools are based on the so-called "Michigan Plan" which was developed by former Dean of the Music School, Earl V. Moore.

U-M Professor Joseph Maddy founded the National Music Camp, the oldest, largest, and best of its kind in the world. U-M's program at the very prominent in performance (such as Julliard), composition (such as Pennsylvania), or music education (such as Illinois), virtually every one of our departments is a nationally prominent department," Boylan says. "There are some very fine schools of music, but ours is fine in virtually all areas...I take great pride in that."

This high calibre is particularly unusual for a School of Music affiliated with a major research university, Boylan points out. "Michigan has a keen sense of the importance of the performing arts within the University environment, and that's not typical of most research universities. Among the most distinguished universities, which are Michigan's peers, almost none have schools of music of this quality."

Room to Improve

There are, of course, areas in the School which Boylan hopes will be strengthened in the coming years. For example, the school has an excellent vocal program, yet it lacks proper facilities for the training of chorus and opera singers, and of students in musical theatre.

The School of Music has produced more than a dozen records, many of which have won critical acclaim despite the lack of a recording studio with modern equipment.

It also was one of the first schools to have a resident string quartet, from the late forties until it was disbanded in the seventies as a result of financial restraints.

Boylan hopes the Quartet can be reestablished. "Many of the most important string quartets composed since 1950 were commissioned by the quartet from U-M," he notes. "The string quartets of Haydn, Beethoven, Bartok, and others are the most profound, intense musical rhetoric ever expressed. It's important our students hear that repertory live."

Presidents Club Members Visit Campus







More than 400 members of The Presidents Club were on campus this fall to attend the Club's annual meeting and participate in campus activities. Club members attended special lectures, visited campus sites, met with President Shapiro, University officers and faculty, and attended a football game.

Membership in the club has grown to over 3,000 individuals who have committed a minimum of \$10,000 to the University.

The Vital Margin

Alumni and Friends Will Make the Difference

by Michael Radock Vice President, University Relations and Development

The sober conclusion for all of us in higher education is that the college or university, public or private, which cannot depend on substantial support from alumni, corporations, foundations, or friends in the next decade, is destined for mediocrity.

This conclusion has particular significance for higher education in Michigan where the economic slump has resulted in substantial cuts across the state budget, including funding of state universities such as U-M.

Budget Paring

The U-M already has embarked on its own stringent budget paring with the goal of "smaller but better." President Shapiro told U-M Regents, "There is no question that during this year and the next we will begin to dismantle certain parts of the University it took generations to build. We may not be able to get them back."

This will mean fewer faculty and staff, smaller enrollments, higher tuition, and reduction in—even elimination of—U-M departments and/

Although there are difficult decisions ahead, President Shapiro, the U-M Regents, and executive officers

are committed to preserving the high calibre of teaching and research that have characterized The University of Michigan for more than a century.

The level of private support the University is receiving makes it clear that many of our alumni and friends also want to ensure Michigan's educational quality. These donors recognize that our future lies in the talented individuals and the research and technology which emerge from institutions such as Michigan.

Presidents Club Support

One area in which the growing support of alumni and friends is most visible is The Presidents Club. This distinguished group of more than 3,000 alumni and friends have committed more than \$68 million to U-M since the club's founding in 1961, including more than \$4.8 million this past year.

Presidents Club members pledge a minimum of \$10,000 to the University over ten years (\$15,000 for a deferred gift; \$25,000 in life insurance). In addition to providing financial support, many members act as U-M representatives in their home communities.

Presidents Club members come from 46 states and six nations, and include more than 100 members of U-M's faculty and staff. As we enter a period of especially serious challenge to the future of quality higher education, we are especially grateful to those loyal alumni and friends who by extraordinary commitment help sustain Michigan's proud tradition of educational excellence.

P.C. Member Says U-M Students Are a Worthwhile Investment

A trip to Ann Arbor provides a special opportunity for Joel and Sandra Dalkin.

It provides the chance to revive memories of Joel's days at Michigan, to visit with sons Alan and Bruce, and to get together with their sons' friends at a brunch that has become a Dalkin family tradition.

The tradition began during Alan's freshman year when his parents joined him for breakfast in Markley Hall. "It was one of the greatest experiences in my life, listening to those students," Joel says. Contrary to beliefs popular at that time, "they were informed, insightful, and interested in the world. We've had a brunch for our sons and their friends since."

The Dalkins are among the newer members of the Presidents Club. "We wanted to do something for the University because the University has done so much for our sons," they explain.

"What I'm impressed with at Michigan is the overall excellence," Joel continues. To illustrate, he cites an article from the Michigan Alumnus magazine which included two lists: the ten college football teams with the best winning records and the top 10 schools in academic excellence as selected by college and university faculty. Michigan was the only school to appear on both lists.

"Of course, we are well aware that the support of alumni is of primary

importance," he adds.

Although Joel attended both Michigan and Michigan State, his loyalties are maize and blue: "He'll give up anything and everything to come back here," says Sandra whose own allegiance to Michigan is a result of Joel and her sons.

Alan, a first-year medical student, and Bruce, a senior in pre-med believe their father's stories about his experiences at Michigan had a strong influence on them (although Alan is credited with recruiting Bruce and a few friends).

Both are pleased with the academic quality of Michigan which they say gets more challenging each year.



At the NYC Marathon the Crowd Yelled "Go Blue!" for U-M Alum.

New Presidents Club member Burton "Bud" Rodney ran the New York City Marathon in his Michigan T-shirt and yellow running shorts.

"I do not think that I ran a span of more than 100 yards throughout the 26.2 miles that some spectator did not shout 'GO MICHIGAN!' or 'GO WOLVERINES!' or best of all 'GO BLUE!' Of course it's the latter that identifies a real Wolverine," Rodney says.

"Never was I so proud of my Michigan affiliation than during my running of the New York City Marathon. As I ran down the ramp leading from the Queensboro Bridge onto 59th St. and 1st Ave. in Manhattan I was greeted by cheers of seemingly thousands of people urging me on with shouts of 'GO MICHIGAN!' and 'GO BLUE!' I triumphantly ran up 1st Ave., both arms raised high above my head, feeling like Ron Kramer running onto the field of a packed Michigan Stadium.

"At another point, there were so many spectators shouting 'GO MICH-IGAN! that a fellow runner asked: 'Did you bring your own cheering section?' I was about to respond when I looked over to see what his T-shirt read. It said IBM.

"New York City is packed with Michigan alumni and Michigan fans. It was their encouragement which got me through the 26.2 miles.

"Michigan gave me my wife (and my three children) and provided me with the tools to earn a livelihood in the field of patent law.

"One might say that Michigan came through again, propelling me through the New York City Marathon. How can one repay Michigan for all of this?"

Voters Defeat Tax Cuts

Michigan voters defeated all three property tax reform proposals on the Nov. 4 ballot, to the relief of university officials, staff, students, and many others.

Passage of the tax cut measures, particularly the controversial Tisch II Amendment, could have severely hampered the ability of the already financially-troubled state to fund higher education.

Back Page Briefy

AEA Selects Fourth U-M President

Gardner Ackley, U-M professor of Economics, has been chosen president-elect of the American Economic Association. After 1-year as presidentelect he will succeed to the association's presidency.

Ackley is the fourth U-M professor to hold AEA's top office while on the U-M faculty. Others were Henry Carter Adams, 1796-'07; Fred M. Taylor, 1928; and I.L. Sharfmen, 1945.

A particular from the control of the

Many Executives Are U-M Grads
Michigan is among the leading universities in the number of graduate
and undergraduate degrees earned
by business executives, a recent Standard and Poor's Corporation survey
reveals.

The 55,834 executives surveyed by Standard and Poor's listed 498 colleges and universities as their alma

The top 12 in undergraduate degrees:

1. Yale University	1,827
2. Harvard University	1,494
3. City University of	
New York	1,339
4. Princeton University	1,313
5. New York University	1,250
6. University of Pennsylvania	1,171
7. University of Michigan	1,125
8. University of Illinois	1,072
9. University of Wisconsin	1,017
10. Northwestern University	932
11. Cornell University	904
12. Dartmouth College	882

The top 12 in graduate degrees:

1. Harvard University	3,920
2. New York University	1,365
3. Columbia University	1,210
4. University of Michigan	811
5. University of Pennsylvania	726
6. University of Chicago	696
7. Northwestern University	659
8. Massachusetts Institute of	568
Technology	
9. Rutgers University	556
10. Stanford University	516
11. University of Wisconsin	479
12. Yale University	428

Varner, Baker Elected Regents

For the first time in history, U-M will have two women sitting on its Board of Regents.

Nellie M. Varner (D-Detroit) is the sixth woman and the first black woman to be elected to serve on the board. She was elected Nov. 4.

Others were: Esther Cram, 1929-43, who was appointed, then elected; Vera Baits, 1943-57, who was appointed, then elected; Irene Murphy, 1958-66, elected; Gertrude (Trudy) Huebner, 1967-74, elected; Sarah Goddard Power, 1974-82, elected.

Varner will be serving at the same time as Sarah Goddard Power.

In the same election, Deane Baker (R-Ann Arbor) was elected to a second term on the Board of Regents.





Varner Ba

Baker

Challenge Will Help Brain Center

A \$1 million "challenge" grant from the Kresge Foundation of Troy, Michigan, will help U-M put into operation a new brain disease research center.

In November, U-M announced receipt of a federal grant to support construction and initial operation of a PET (Positron Tomography) center for five years with U-M to raise an additional \$2.2 million in operating funds.

The Kresge grant will provide \$1 million of this amount. To meet the challenge requirement of the grant, U-M must raise the \$1.2 million balance remaining.

The PET scanner will permit scientists to study images of brain tissue and metabolism which cannot be visualized with other technology.

Nobel Prize Winner Started at U-M

The winner of this year's Nobel Prize for economics laid the base for his work in econometric forecasting during his years at U-M.

Lawrence Klein constructed his first econometric model in the U-M Research Seminar in Quantitative Economics, according to U-M President Harold Shapiro. He continues to have a strong association with the seminar.

U-M awarded Klein an honorary degree in 1977. At that time Shapiro predicted "...he may someday be the recipient of a Nobel Prize."

Winkelman Chair Established

The Isadore and Leon Winkelman Professorship of Retail Marketing was established recently at the U-M School of Business Administration.

The professorship, which honors the founders of Winkelman Stores, Inc., was made possible by contributions from the Winkelman Brothers Apparel Foundation, Inc., the Leon and Isadore Winkelman families, and the officers, directors, and friends of Winkelman Stores, Inc.

Prof. Claude R. Martin, Jr., a specialist in marketing, retailing, and advertising, with the University since 1965, has been named to the professorship.

U-M Enrollment Up Slightly

A total of 47,081 students were enrolled at The University of Michigan during this fall term, 401 more than a year ago.

The total includes 35,670 students at the Ann Arbor campus, including those enrolled in Graduate Centers at other locations, an increase of 247; 6,360 at the U-M Dearborn, a decrease of 40; 4,410 at the U-M Flint, an increase of 288; and 641 enrolled in credit extension courses throughout the state, a decrease of 94.

Of the 35,670 enrolled at the Ann Arbor campus, 22,498 or 63 percent of the total were undergraduates; and 13,172, or 37 percent were graduate students.

Big 10 Title "Best" for Bo

After a slow season start, including narrow losses to S. Carolina and Notre Dame, the U-M football team battled back to win the Big 10 Championship and bid to the Rose Bowl. The Wolverines finished the season 9-2.

"This is the most enjoyable Big 10 Championship I've ever had at Michigan," Coach Bo Schembechler said, referring to his team's uphill hattle

Michigan Today went to press before the Wolverines met Washington at the Rose Bowl on January 1.

Alumni Top Funding Goal, Break Ground for Alumni Center



Margaret Ayers Host and former U-M President Harlan Hatcher were among the alumni who broke ground for construction of the new Alumni Center, next to the Lydia Mendelssohn Theatre. In the background, Alumni Association President Robert Briggs and U-M President Harold Shapiro applaud their efforts.

Host and Briggs chaired the campaign which successfully raised more than \$3.1 million in gifts and pledges from U-M alumni and friends to finance the project. Construction is underway with completion slated for May 1982.

Housing for Elderly Studied

Affordable adequate housing is a critical problem for the elderly in the U.S.

A "National Policy Center on Housing and Living Arrangements for Older Americans" (NHC) was established at U-M during the fall to formulate policy recommendations on housing and living arrangements for older persons.

The center also will train new and experienced professionals in the housing field, develop comprehensive data on housing conditions of the elderly, and provide information and technical assistance to elderly citizens.

The new center was established under a four-year \$160,000 grant from the Administration on Aging of the U.S. Department of Health and Human Services.

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Address your letters to:

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