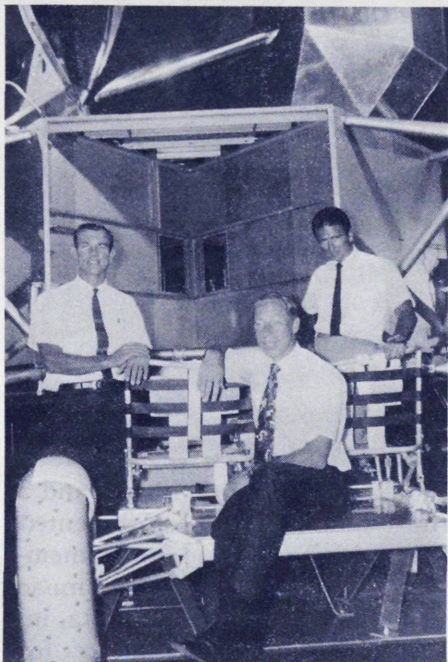


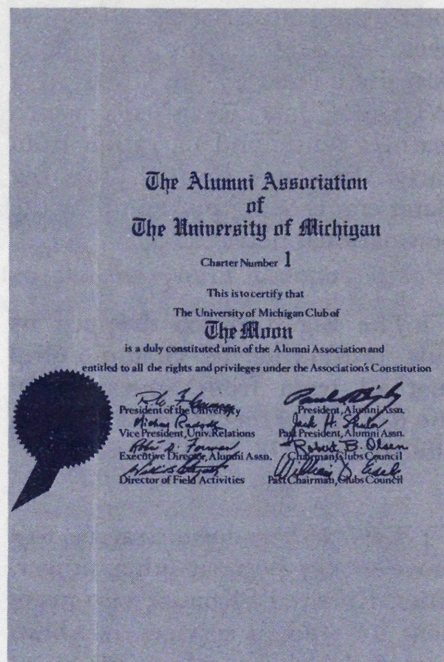
the university of michigan Today

Vol. 3, No. 4, Fall 1971

U-M TODAY is the only Michigan publication received regularly by 160,000 alumni, friends and faculty of The University



APOLLO CREW—David R. Scott, Alfred M. Worden, and James B. Irwin (from left) with lunar rover.



MOON CHARTER—A charter of the first alumni club in space was taken to the moon in July.

University Opens with Hope for Continued Leadership Role

Michigan opened its 154th year with 39,000 students, a distinguished and loyal faculty, a streamlined administration, and five new functional buildings, all operating under a stringent budget.

The diag reflects an optimism that, despite the inability to do all of the things the administration justifiably believes should be implemented, the University will continue its role as a leader among the institutions of the world. With alumni devotion high, as expressed through increased participation and contributions to the Michigan Annual-Giving Fund, and with the prestigious Presidents Club growing at an accelerated pace, many

of the programs which otherwise would have been delayed or curtailed, will continue and enable the U-M to maintain its excellence of education and service.

All musical units which toured Europe returned with the highest honors, including a world's championship by the glee club. Michigan's contributions to society through scientific, social and medical developments continue at an increasing rate. And who can ever forget the accomplishments of the three U-M astronauts?

A potentially strong football team opened with a convincing win over potent Northwestern in its quest of another Big Ten Championship. Missing from the directors stand is Dr. William Revelli who turned the great Michigan Band over to capable George Cavender, former assistant director, before retiring after 35 memorable years.

U-M Alumni Hold Meeting On the Moon

The alumni meeting on the moon, held by Col. David Scott, Lt. Col. James Irwin, and Maj. Alfred Worden was a great success.

Their advancements in science are well documented, but of additional interest to fellow alumni is the revelation that they took with them miniatures of the University flag and seal of the Department of Aerospace Engineering, in which they had been enrolled and from which two received the M.A. degree. They also took a charter of the first alumni club outside the world and named an uncharted crater "Wolverine".

The scientific station ALSEP set up by the astronauts was built by Bendix near the campus.

Presidents Club Surpasses Goal

The Presidents Club, most successful and envied donor organization in the nation, has passed its initial goal of 1,000 members in 10 years.

As the prestigious group of loyal alumni and friends who make up the bulwark of private giving to the U-M assemble next week for their annual meeting they will be paying special tribute to Paul Goebel and Fred Vogt.

This noted fund raising team has been largely responsible for doubling the size of the Presidents Club over the past five years. Their voluntary work, made up of personal visits from coast to coast, has raised the membership to 1,041.

Need for Planning Emphasized In Report from the President

The need for improved planning was emphasized by President R. W. Fleming in a report made to the university community as the academic year began.

Following are some of his comments:

—Economic adversity for the world of higher education will not end with the present wage-price freeze. We are going to have to continue to tighten up. We cannot permit tuition to continue to rise as it has. We are going to be more and more dependent upon self-generated internal funds to finance new programs. Whether we will get any additional federal or state aid to assist us in carrying out financial aid programs to students remains problematical. Graduate funds are dwindling, and the market for students having graduate degrees is far less rosy than it was a few years ago. There will be strong pressure to award financial aid to graduate students on a strict need basis.

—We can and we must do a better job of planning our future. At the same time, anyone who expects miracles on this front is doomed to disappointment. It is possible to obtain one hundred per cent agreement that some things the University does are more important than others. Understandably enough, every faculty member feels that the unimportant functions are in someone else's field!

—Another factor in this area is the role which the individual colleges are to play. Traditionally, The University of Michigan has given

great autonomy to its colleges. The results speak for themselves, since we all take pride in the stature of the University. The virtue of autonomy is that it gives to the people with the most understanding of the problems the major role in decision making as to affairs within their college. It also gives administrators greater incentives to excellent performance.

—In the last analysis, the most difficult problem is in assessing priorities among the colleges. In that connection one touches the most sensitive nerve of all, the reallocation of money, with the resources of one college being considered for transfer to another college.

Musical Opens Power Center

The world premier of "The Grass Harp" will open in the new Power Center for the Performing Arts October 5.

A musical, based on the novel by Truman Capote, will star Celeste Holm. Directed by Ellis Rabb, it will run for a week following the gala opening for the First Nighter Club. It will then open on Broadway.

A Special Convocation is scheduled before the performance, at which Honorary Degrees are to be awarded to: Nancy Hanks, Helen Hayes, James Earl Jones, Walter Kerr, Julius Rudel, and Jo Mielziner, co-designer of the lighting and stage of the Power Center.

Administrative Changes

Administrative changes include the first chancellors at U-M Dearborn and U-M Flint, six new deans and reassignment of responsibilities held by Vice President Stephen H. Spurr before he left to become President of the University of Texas.

Student activism appears to be becoming more directed toward constructive effort and the largest increase in enrollment is in the School of Natural Resources. The School of Nursing has attracted a significantly larger student body, and there is increased interest in social work.

Tuition had to be raised in the face of spiraling costs but the University has been able somehow to keep available the opportunities for minority and other disadvantaged students to gain an education.

Buildings Completed

New buildings opening this fall are the Power Center for the Performing Arts, a \$1,450,000 Computer Center on the North Campus, the Modern Languages Building, a seven-story School of Public Health building and a School of Dentistry complex unmatched anywhere.

Each of these improvements in campus facilities will provide for more concentrated and effective learning and efficient operations.

New student housing opened on the North Campus, and the auditorium for the School of Business Administration is under construction.

New Assignments Announced



Leonard E. Goodall, who had been vice chancellor of the University of Illinois at Chicago Circle, is the first chancellor of the U-M at Dearborn. Goodall, 34, who is professor of political science, earned the master's degree in political science from the University of Missouri and the Ph.D. from the University of Illinois. He is the author of "The American Metropolis."



Donald E. Stokes, a noted specialist on the American political process, is the new dean of the Horace H. Rackham School of Graduate Studies. A member of the U-M staff since 1957, Stokes holds the B.A. degree from Princeton and the Ph.D. from Yale. He has been professor and chairman of the political science department. His predecessor, Stephen H. Spurr is president of the University of Texas.

Diagonalis et Circumferentia

Recognition of the excellence of the U-M's fund-raising program came when the Harvard Business School featured it as a case study at its 1971 Institute for Educational Management. Vice President Michael Radock made the presentation and led the discussion, on invitation from Harvard.

Listeners to National Public Radio can now hear one of the most popular programs which has been broadcast locally during the past three years by the University's WUOM. "Jazz Revisited", which features music and narration from early Dixieland through the Big Band era, is being picked up by the new national network.

The Big Ten has dropped its rule preventing its championship football team from appearing in the Rose Bowl on consecutive years, effective in 1973.

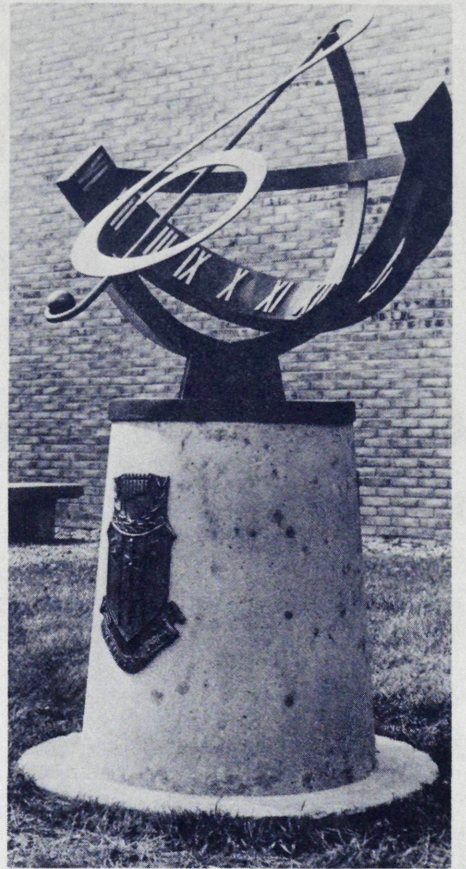
Two U-M administrators will move to key posts at other universities. Robert L. Knauss, vice president for student services, has been named dean of the Law School at Vanderbilt. James F. Brinkerhoff, associate vice president and director of business operations, becomes a vice president and chief financial officer at the University of Minnesota.

Roger W. Heys, who resigned as chancellor of the University of California to return to the U-M as professor of psychology and education, has been named president of the American Council on Education. It is hoped that he will be able to serve on the Michigan faculty for at least part of the fall term.

Dixon Farmer, head coach at Occidental College, has been named track coach at the U-M to succeed Dave Martin who resigned to accept a position in University administration. Farmer, former NCAA hurdles champion, directed Occidental track and cross country teams that dominated the Southern California Intercollegiate Athletic Conference 1967-1970.

Video tape instant replays are being used by the department of post graduate medicine to train nurses in the techniques of intensive cardiac care. A series of cardiac "incidents" has been developed for use with a cardiac unit mockup. The replays permit pictorial evaluation.

Ann Arbor youngsters in droves took advantage during the summer of free sports clinics conducted by the U-M athletic department in cooperation with the Ann Arbor Recreation Department. University facilities were used and the coaching staff gave willingly of their time instructing boys and girls in six different sports.



A memorial music library and a bronze sundial have been presented to the school of Music in commemoration of the seven U-M alumnae who founded Sigma Alpha Iota, international music fraternity for women at Michigan in 1903. The gnomon is in the form of a treble clef.

The 50th Anniversary Celebration of the School of Education will be held October 23. Since its inception in 1921 the school has had four deans, 25,000 degree recipients and has granted 35,000 teaching certificates.

The crowd of 91,745 that attended last month's Detroit Lions-Baltimore Colts exhibition football game provided the athletic department with an estimated \$200,000 and a successful test of holding off-season contests between professional teams in Michigan Stadium.

Thirteen School of Social Work faculty members are contributors to the 1971 Encyclopedia of Social Work. The two volume reference of 1,700 pages contains articles, biographies of leading social workers, and statistical tables on demographic and social welfare trends.

'Accomplished and Gifted' Musician Named as New U-M Carillonneur

The University community is listening to the Charles Baird Carillon in Burton Memorial Tower being played by a new U-M carillonneur, R. Hudson Ladd.

Ladd succeeded retired Professor F. Percival Price, who labeled the young musician "one of the technically most accomplished and musi-

cally most gifted carillonneurs in the world today."

Ladd's training included two years of study at the Royal Dutch Carillon School and he has played numerous guest recitals on the important carillons of Holland and America, and has informally played most of the carillons of Europe and North America.



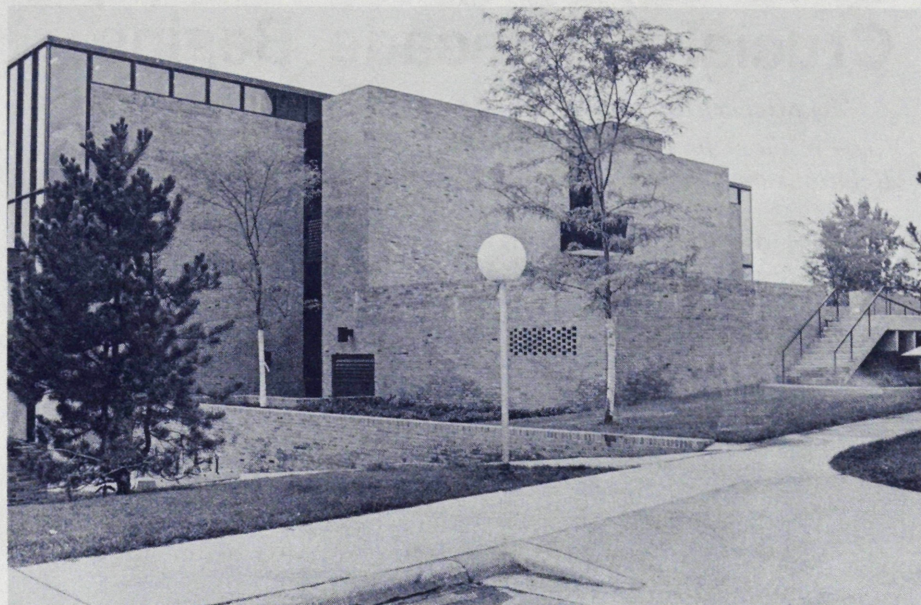
FIRST PLACE—Willis Patterson, director of the U-M's Glee Club, reflects the jubilation of himself and members on their return from Europe with the first place trophy won during the International Musical Eistedfod at Llangollen, Wales. The Patterson family nearly smothered the director as they led the reception.

Minorities Plan Progress Made

The University is ahead of its projections in both total enrollment and financial aid to minority students.

There were 1,266 minority students—647 undergraduates and 619 graduates—receiving a total of \$3,078,711 in financial support during the 1970-71 academic year. This is significantly in excess of the estimated \$2,947,500 aid and goal of 1,150 students outlined in March of 1970 when the U-M announced its objective of 10% black enrollment and increases of other minorities by 1973-74.

New Facilities to Offer Education and Service



COMPUTER CENTER BUILDING—Located on the North Campus, this \$1,450,000 structure houses the bulk of the University's research and teaching computer equipment.



POWER CENTER FOR THE PERFORMING ARTS—Funded largely by a gift of former Regent Eugene B. Power and contributions to the 55M campaign, this beautiful theatre located in Felch Park will open October 5. It will be the center for drama, dance, cinema, and opera. All 1,420 auditorium seats are within 72 feet of the stage.

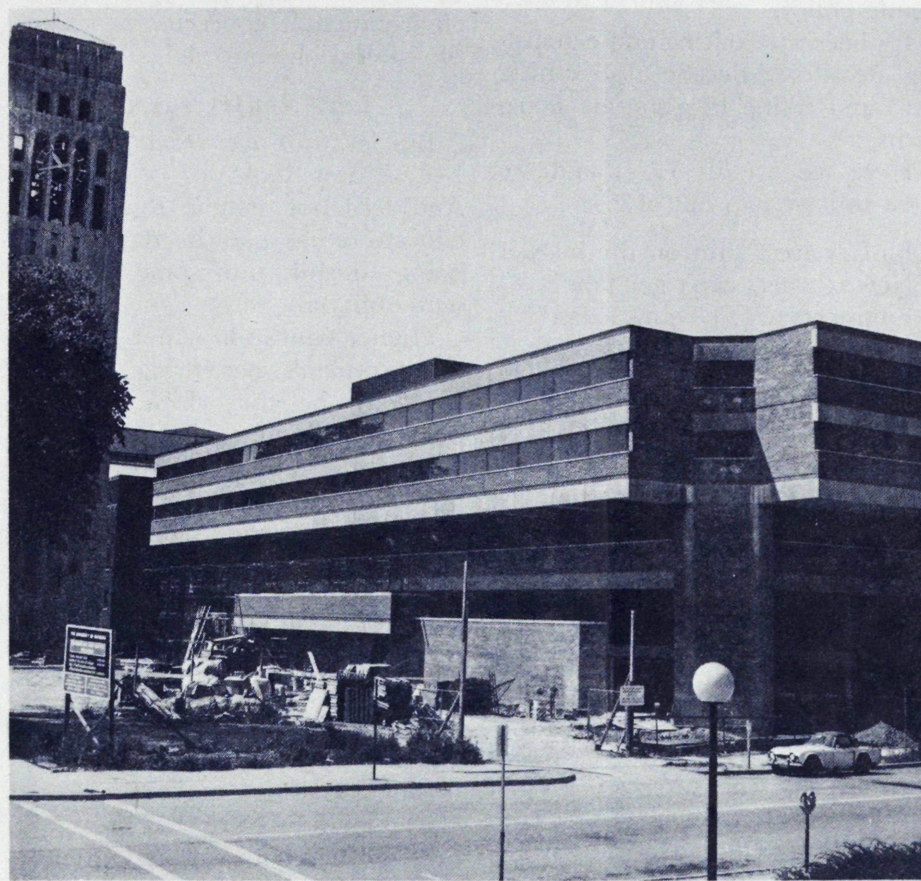
Private and foundation financing, with assistance from the Federal and State Government, makes possible Michigan's ability to maintain its leadership role.



SCHOOL OF DENTISTRY COMPLEX—Largest building project in U-M history, the School of Dentistry has moved into this new structure which includes a clinical and research wing, the dental library, a remodeled Kellogg Foundation Institute for Graduate and Postgraduate Dentistry, and adjacent 944-car parking structure. The new facilities allow for a 50 per cent increase in the dental school enrollment.



SCHOOL OF PUBLIC HEALTH—This seven story building concentrates all public health activities in one location. A third floor bridge connects the \$7,295,000 classroom, auditorium and library structure with the present building.



MODERN LANGUAGES BUILDING—Located under the Burton Memorial Tower across Thayer Street from the Michigan League, this \$5,800,000 structure will house classrooms and offices of the language departments now crowded in the Frieze Building and elsewhere.



HISTORIC SITE—The President's home, the only building remaining of the original five erected on the campus, has been designated a national historic site. When built in 1840 it was not intended to be a presidential home but became such when Henry P. Tappan was appointed the University's first executive officer in 1852.

Large Scale Study Underway to Discover Answers on War

Which characteristics and actions of men and nations tend to lead to international war and which to peace?

A team of U-M researchers, under the direction of Dr. J. David Singer, together with collaborators at three other universities, are seven years into a massive statistical study in an attempt to lay the foundation for an "applied science of war prevention." Four additional years of study has been underwritten by the National Science Foundation.

The team has identified for study and statistically described 93 international wars fought between 1816 and 1965. The modern system of nations began in 1816, the end of the Napoleonic period. War was underway in all but 24 of the 150 years being studied.

Traditional scholars have invoked such factors as population pressure, economics, alliance aggregation, bipolarity, political ambition, and technological change. These and many other variables are being reduced to a quantitative approach in a continuation of less extensive, earlier research done by other historians and political scientists. Reduction of variables to

numbers is for analyzation by computer.

With this data, a wide variety of analyses have been run on war experience, and hundreds of tables have been compiled revealing such factors as frequency, seasonal and monthly distribution, and ranking of wars by intensity, as well as the ranking of nations by war proneness.

New Respirator Designed Here

Using fluidics, George S. Springer, Associate Professor of Mechanical Engineering, has designed a respirator that not only exceeds the capabilities of most models now in common use, but is considerably lighter and smaller.

Compressed gas which is respired, also serves as power for the unit requiring no electricity. Except for one small valve, there are no moving parts. The five-pound respirator is reliable and requires no maintenance. It is particularly suited for such specialized cases as heart-lung patients, including premature babies.

With the Professors . . .

Richard K. Osborne, professor of nuclear engineering, has been designated as the first to hold the Paul G. Goebel Chair in Advanced Technology . . . "Efficient remembering is clearly related to efficient forgetting," so says psychology professor Robert A. Bjork who states the mind must set aside information it no longer needs to prevent it from interfering with new information . . . Architecture Professor Alan A. Marra suggests that a computer printout on the ecologically

ideal building material might specify the following: produce it from carbon dioxide and water, using solar energy, a minimum of skill and labor, and have it give off oxygen as a byproduct. The material—wood. . . "Until the size of an oil tanker stabilizes, it would be uneconomical to update the Suez Canal," according to Professor Ross J. Wilhelm of the School of Business Administration. A large proportion of the fleet today is too large to use the canal.

the Vital Margin

Understanding and Support Crucial as Decade Begins

by Michael Radock
Vice-President for University
Relations and Development

In no period since World War II has The University of Michigan—and virtually all colleges and universities—faced a more crucial decade than the 1970's in terms of need for understanding and support from alumni and friends.

For more than 150 years, this University has been blessed with an unparalleled tradition of generous support from its alumni. Year after year those voluntary support dollars have provided the U of M that "Vital Margin" which brings freedom and flexibility to an educational institution. Alumni dollars have brought the University support for innovative programs and have furnished those discretionary funds which often make the difference between another good state university and a great and distinguished university known throughout the world for its leadership.

Decade Has Been Volatile

But what's ahead in the next decade?

Psychologically, we're a little shaken. The decade we've just gone through has been pretty volatile.

Enrollment and costs have soared. Public institutions of higher education have become unquestionably dominant, whereas only 20 years ago, private schools were educating half the college population.

The decade has experienced the thrusts of white radicalism, black militancy and now women's liberation.

The war in Southeast Asia has caused a variety of reverberations.

The stock market has rocketed up and plummeted down. And now the impacts of the Nixon new economic policy.

It's been an exciting and exhausting decade—a decade of running hard and trying to negotiate sharp turns.

Here we are in 1971, and we seem to have run out of gas.

- . . . Ph.D.'s are a glut on the market
- . . . New teachers can't get jobs
- . . . Engineers aren't being hired
- . . . Federal support has leveled off
- . . . State dollars are harder to get
- . . . Private giving is increasingly designated

Public Enthusiasm Waned

Public enthusiasm for and confidence in higher education has waned. The sputnik thrust has sputtered out. Student activism has hardened the hard hats. Black militancy has produced white backlash.

And it may be, too, that just too much has been expected from higher education.

. . . Business, industry and public service have expected their manpower needs to be provided.

. . . Parents have expected their children to be in a 1940s social

environment and to emerge prepared to cope with the 1970s.

. . . The Defense Department has expected its war-related research.

. . . Health, Education and Welfare has expected its social objectives to be advanced.

. . . The states have expected service.

. . . The communities have expected from the larger and much more heterogeneous student body greater revenue with no greater problems.

. . . And the alumni have expected no disturbing changes.

'Golden Era' Ends

We had a blind, irrational faith that the "golden era" of the 1960's would never end. Now that it has, we're angry or depressed or hurt and feeling generally misunderstood and maligned.

Well, it's not all that bad.

To some extent, higher education is feeling unloved along with everyone else. What institution or industry is feeling good about itself? The doctors—the health care business in general? Television, newspapers—the mass media? The automotive industry? Aerospace? The public schools? City governments? Any government? Public transportation? The postal service?

To some extent, too, the high glow is off higher education because the public has come to realize that its expectations were unrealistic—or that despite the investment in education, the world has simply not turned rosy. Higher education, however important, is not, by itself, going to take care of all the needs and solve all the problems. So some of the enthusiasm for higher education has shifted to other realms—the environmental concern, for example—pollution control.

Let's Not Over-react

But let's not over-react.

Let's not look for scape-goats. And let's not assume that higher education has had its day and is going to sink into some kind of semi-oblivion.

Higher education is not going to be everyman's everything. It's not going to be the white hope—or black or brown or red, either. It won't educate the uneducable, or train the untrainable.

It cannot provide the panacea to return our nation to "normal times"—whatever that means . . . or to convert all of our corporations to socially responsible good neighbors.

But barring the most radical social dislocations, this society is linked to education, including higher education.

And a vital part of that linkage is the continued loyalty and interest of alumni and friends—a persistent, and I think historically justified faith in American ability to use change to strengthen our system.