

# the university of michigan **Today**

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U-M TODAY is the only Michigan Publication received regularly by 162,000 alumni, friends and faculty of the University

## Ragone Returns to UM as Dean of Engineering

David V. Ragone, Dean of the Thayer School of Engineering at Dartmouth College for the past two years, will return to the University September 1, as dean of the College of Engineering.

Ragone, who served on the UM engineering faculty from 1953 to 1962, will succeed Gordon J. Van Wylen, who has assumed the presidency of Hope College.

Holder of three degrees in Metallurgical Engineering from MIT, Ragone since leaving the UM has also served as chairman of the Metallurgy Department of the General Atomic Division of General Dynamics, ALCOA Professor



David V. Ragone

of Metallurgy at Carnegie-Mellon University, and associate dean of the Carnegie-Mellon School of Urban and Public Affairs.

## Fleming Cites Important Lessons for May Graduates

President R. W. Fleming in speaking to the Class of 1972 during spring commencement exercises told them "no undergraduate class ever lived through a

more turbulent period than the Class of 1972. All of the pent-up frustrations of our time have sought an outlet during these years, and the campus has more often than not been the focus of it."

The President stated, "I would feel better if I could be confident that we had learned these lessons over the last four years:

"That violence turns off far more people than it turns on;

"That the bigot wears many robes, and is as frequently identified with the far left as with the far right;

"That colorful rhetoric cannot conceal intellectual rubbish, however vigorously stated;

"That changing life-styles do not signify abandonment of man's quest for a set of values by which he can live;

"That not all problems are capable of solution, at least in the short run;

"That change, in and of itself, is neither good nor bad and therefore neither to be feared nor looked upon as an end in itself; and

"That there is no substitute for human decency, which is often packaged in rather odd ways."

### Honorary Degrees Awarded to Five

Honorary degrees were bestowed upon five persons during the University's spring commencement exercises on May 6, 1972. Norman Drachler, former Detroit School Superintendent, now Director of George Washington University's Institute for Educational Leadership; Margaret G. Arnstein, Dean of Yale University's School of Nursing; Fang-kuei Li, Professor of Linguistics of the University of Hawaii; and Rene Wellek, Sterling Professor of Comparative Literature at Yale. Columbia University President William J. McGill, who was the commencement speaker, was also awarded an honorary degree.

## 1972-73 Budget Increases Adopted by Board of Regents

The 1972-73 general fund budget for the Ann Arbor campus, as adopted by the Regents, totals \$132,839,489, an increase of \$9,326,000 over the previous year.

In addition to state funds of \$79,822,000 (an increase of \$7.29 million over 1971-72), the general fund revenue includes \$39,812,489 from student fees and \$13,205,000 from other sources.

All units of the University, except the student financial aid office, will be required to effect a

one percent savings in allocations to produce a balanced overall budget.

The UM-Dearborn budget is \$4,982,620, including an increase of \$1,037,000 in state appropriations. The UM-Flint will operate on \$5,237,000 with a boost of \$1,218,000 coming from the state.

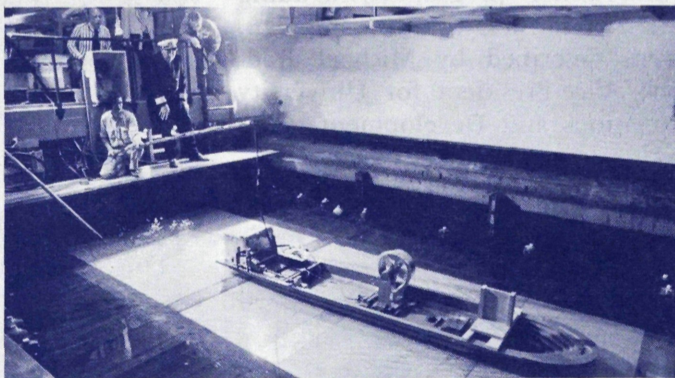
## Mississippi Paddle Wheeler Plies the UM Towing Basin

The historic Mississippi River paddle wheeler, the "Delta Queen," has a successor being tested in the UM's 360-foot-long towing basin.

Professor Richard B. Couch, of the department of naval architecture and marine engineering, heads a group of students and technicians who have built a model based on the design of the new Queen, a \$10-million ship to be built for Greene Line Steamers, Inc.

The Delta Queen's skipper, Captain Ernest Wagner, has been among those watching the tests from a movable control platform over the basin.

The UM model is one-thirtieth the size of the proposed new



Queen which will be virtually identical to her 46-year-old counterpart and which is seeing her last days. The new ship will be 365 feet long and provide living accommodations for 400. It will be constructed of metal instead of wood and incorporate safety features, the lack of which has caused the condemnation of her predecessor. And its paddle wheel will be powered by gas turbines in place of steam.

## Fee Schedules Are Announced

The Regents approved an increase in tuition of approximately five percent for the 1972-73 academic year. The added income of \$1,600,000 from this tuition increase will still leave a budget gap of approximately \$1,089,000 that must be closed by additional funding or curtailment of programs. The new tuition schedule for the Ann Arbor campus is:

	Resident	Non-Resident
Undergraduate	\$696	\$2,260
Graduate	840	2,360
Law	950	2,400
Public Health	1,220	2,500
Medicine-		
Dentistry	1,260	2,540

Tuition at UM-Dearborn and UM-Flint remains at \$568 for undergraduates and \$660 for graduate students.

## Iosif Brodsky Is Appointed Resident Poet

Iosif A. Brodsky, whose politically controversial writings drew a Soviet sentence of five years at hard labor, has joined the UM teaching staff as poet in residence. His trial caused reaction among his fellow authors and he was released after 18 months, but he was "invited" to leave Russia permanently. He was allowed to take only two suitcases and the equivalent of \$100, but none of his writings. Brodsky, considered by many as the Soviet's foremost poet, hopes to recreate from memory much of the writings he was forced to leave behind. Several other of the world's leading universities sought his services before he became Michigan's second poet in residence. Robert Frost was the first.

## 1972-73 Season Begins

## Roundup of Sports at the University

## Football Forecast

Michigan, which has won 25 of its last 28 football games, looks to be a strong contender for the Big Ten championship again this fall. Replacements must be found for 13 starters, but experienced men are available at all positions plus 37 numeral winners. The offense will have a solid line even larger than in 1971, and three experienced quarterbacks are available. Four starters return for defensive play with other veterans moving up. The secondary, however, will have to be rebuilt.

Dana Coin, who last season kicked 55 conversions in 55 attempts and 13 field goals, will be hard to replace, but Barry Dotzauer, a 40.3 yard punter, returns.

The Wolverines will be aiming for their twenty-fourth confer-

ence title and their twelfth consecutive regular season win when they open the season against runner-up Northwestern in Michigan Stadium.

## MICHIGAN FOOTBALL 1972

September	16 Northwestern
	23 at UCLA
	30 Tulane
October	7 Navy
	14 Michigan State
	21 at Illinois
	28 Minnesota
November	4 at Indiana
	11 at Iowa
	18 Purdue
	25 at Ohio State

## Big 10 Medal Won By Elliott

Bruce Elliott, cornerback on Michigan's championship football team, was awarded the Big Ten Medal of Honor for proficiency in athletics and scholarship, an award won by his father, Pete, while a member of the national champion Wolverines in 1948. Pete, a history major, had a 3.048 average.

## Basketball Program and Staff Reorganized

The basketball program at Michigan, which has been strong over the years, will be broadened next season with the addition of a junior varsity squad and a freshman team open to players not on athletic scholarships. The move, according to Athletic Director Don Canham, will relieve some-

## Women in the Marching Band?

The University of Michigan Band, long a male organization, may soon have female participants. The band has been open to women since July 1, 1971, but none chose to join last year. Director George Cavender states, "I owe every qualified student an opportunity to play in the band if he wants to." He points out, however, that he insists on ability and dedication and he refuses to lower the standards for anyone. "If we have a girl in the band, it will be because she plays well; she won't be a token."

what the limited intramural facilities, get more students involved in amateur athletics, and provide additional organized competition.

To implement the expanded program, Canham has reorganized the basketball staff under Coach John Orr. Jim Dutcher, who has had outstanding seasons as coach of Eastern Michigan University; Dick Honig, who directed the Michigan Freshmen to a 12-0 season; and Richard Carter, coach at Washtenaw Community College, will serve as assistant coaches. All three are former Wolverine stars. Orr's first assistant during the past few seasons, Fred Snowden, resigned to become head coach at the University of Arizona.

Interestingly, the first college basketball game to be played in the large new Nassau Coliseum on Long Island will be Michigan vs Brigham Young, December 7.

## Football Greats Retire from Staff

Bennie Oosterbaan, one of the immortals of Michigan football, is retiring after almost 50 years of association with the University as player, coach, and administrator. A three-time All American, he coached the Wolverines to a national championship and three Big Ten titles. Oosterbaan was named to the 11-man NCAA all-time All America team, and alumni named him Michigan's greatest all-time football player.

Also retiring is Wally Weber who was a teammate of Oosterbaan on the championship teams of 1925-26. After receiving a master's degree, Weber became a very successful high school coach and later helped develop three consecutive Big Ten championship teams. Since 1958 he has devoted full time to public speaking, recruiting, and teaching physical education.

## ERIM To Operate Willow Run Labs

The University is severing its ties with Willow Run Laboratories. Transfer of title on equipment and contracts and grants to a newly incorporated Environmental Research Institute of Michigan is expected to be completed by October 31. The new corporation will operate the laboratories and all new proposals will be submitted to ERIM and all outstanding proposals submitted by the University will be renegotiated by the Institute as they come up for funding. The transfer will end a lengthy campus debate over UM's involvement in alleged military research.

## Michigan Wins All-Sports Title

Michigan won the Big Ten mythical All-Sports Championship again, marking the ninth time in 12 years the Maize and Blue teams have excelled. The compilation is made from the conference ranking in 12 sports.

## Ann Arbor Police Form Campus Unit

A university unit of the Ann Arbor Police Department will become operational this fall. The complement will consist of a unit commander, three detectives, and 19 patrolmen, all regular Ann Arbor police officers. They will operate out of city headquarters but will be assigned to around-the-clock police services at the University. The annual cost to the UM is estimated by Frederick E. Davids, University Director of Safety, to be \$410,000. The former long-standing satisfactory arrangement with the city was terminated by the state.

## Diagonalis et Circumferentia

□ Two years ago Michigan passed the Environmental Protection Act to become the first state to give citizens the right to bring polluters to court.

A recent study of the effects of the legislation, authored by UM law professor Joseph L. Sax, indicates that cases filed under the new act have moved steadily through Michigan's courtrooms and the statute has prodded industries and public regulatory agencies into doing a better job of protecting the environment.

□ The School of Music is the subject of part of a documentary on the teaching of music in universities in the United States filmed by a television crew from West Germany. The program is scheduled for showing this fall over one of the largest networks in West Germany.

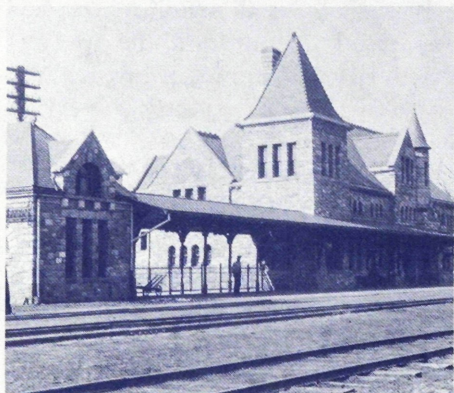
□ Twenty-four years after he normally would have received his degree, Harry Dodge of Rockville, Md., has been graduated from The University of Michigan.

Dodge recently completed a few hours of study in physics to fulfill a requirement.

And 76-year-old Senior Circuit Judge Thomas F. McAllister of the U. S. Court of Appeals has been granted a law degree by the University. The distinguished judge completed his studies at the UM Law School in 1921 but did not receive his diploma because of a residence technicality. The University awarded him an honorary bachelor of laws degree in 1940 but Judge McAllister prizes the UM law degree as even more significant.

□ The University of Michigan's Development Program was a case history presented at the third annual Institute for Educational Management for college and university administrators at the Harvard Business School. The UM's fund-raising programs, including the \$55 million capital campaign, were described by Michael Radock, Vice-President for University Relations and Development.

## The Salad Bar Is Where You Used To Buy Your Ticket



From Michigan Historical Collections

**THE FIRST VIEW** of Ann Arbor many a Michigan alumnus had was of the Michigan Central railroad station built in 1887 at a cost of \$33,000.



**TODAY** the station is a high-class restaurant with railroad passenger service being conducted in a small new building down the platform.

# Biological Station Pursues Environmental Studies

The University of Michigan Biological Station—the world's largest inland field station for teaching and research in biological science—is initiating a research program to determine the environmental impact of people on northern Michigan.

"We've been teaching and conducting research here every summer since 1909," notes Professor David M. Gates, who recently assumed the directorship of the 9,000-acre station situated between Burt and Douglas Lakes near Pellston, Michigan. "During this span, we have worked in an essentially undisturbed wilderness with little outside influence on natural phenomena and have increased man's knowledge of the north temperate zone many times over."

## Man's Impact

But times have changed. The crush of civilization has caught up to the station, Gates says.

"Everywhere one finds vacation homes, boats, campers, guns, snowmobiles, and all terrain vehicles. At times, the forces unleashed upon the north country are enough to scare you," the UM scientist declares, adding that with the exception of a 2,000-acre game sanctuary, all of the UM land is open to the public.

"As a result," he says, "we will now emphasize projects clearly related to man's impact."

According to Gates, a UM trained physicist who founded the subdiscipline "biophysical ecology," a \$130,000 National Science Foundation grant awarded last June has been instrumental in allowing the station to zero in on people-related problems.

"The grant is entitled 'Environmental Impact by Man on Non-Urban Regions' and is intended to support several research projects for 19 months," Gates explains. "Under the provisions of the grant," he continues, "we will bring our work to bear on regional environmental issues by furnishing legislators, law enforcement personnel, Department of Natural Resources personnel, and others with the results of our research."

"We don't want to become involved in litigation," Gates stresses, "but we do want to have objective input into the decision-making processes, especially in regard to land-use projects which might abuse the environment."

## Research Areas

Specifically, the National Science Foundation grant will enable comparative studies of lake quality, an investigation into the effects of sewage effluent on a bog ecosystem, a comprehensive examination of the environmental impact of snowmobiles, a socio-psychological analysis of how human outdoor recreation needs, motivation, and behavior affect the environment, an exploration into the possibility that animals may serve as indicators of environmental quality, an evaluation of clear cutting as a technique for harvesting timber, and a study of the impact of off-road vehicles of all kinds.

No stranger to Michigan's north country, Gates spent 18 youthful summers at the station. His father, Frank C. Gates taught plant ecology here from 1915 through 1954.

Gates says one of the most "in-



**PLANT EXPERIMENTS**—Botany Professor David M. Gates, director of the Biological Station, experiments with an electronic system designed to measure interactions of plants with the environment.



**LAKE RESEARCH**—Douglas Lake serves as a laboratory for research by students as well as by staff.

credible and disruptive" changes to hit the area is the snowmobile. Noting that most of the arguments both for and against the snowmobile have been largely speculative, the UM professor said the station's study should discover how the device affects vegetation, soil, and wildlife.

## Studies of Lake Quality

The comparative studies of lake quality represent a milestone for the station in that the principal investigator, aquatic ecologist John E. Gannon, will conduct his research year-round.

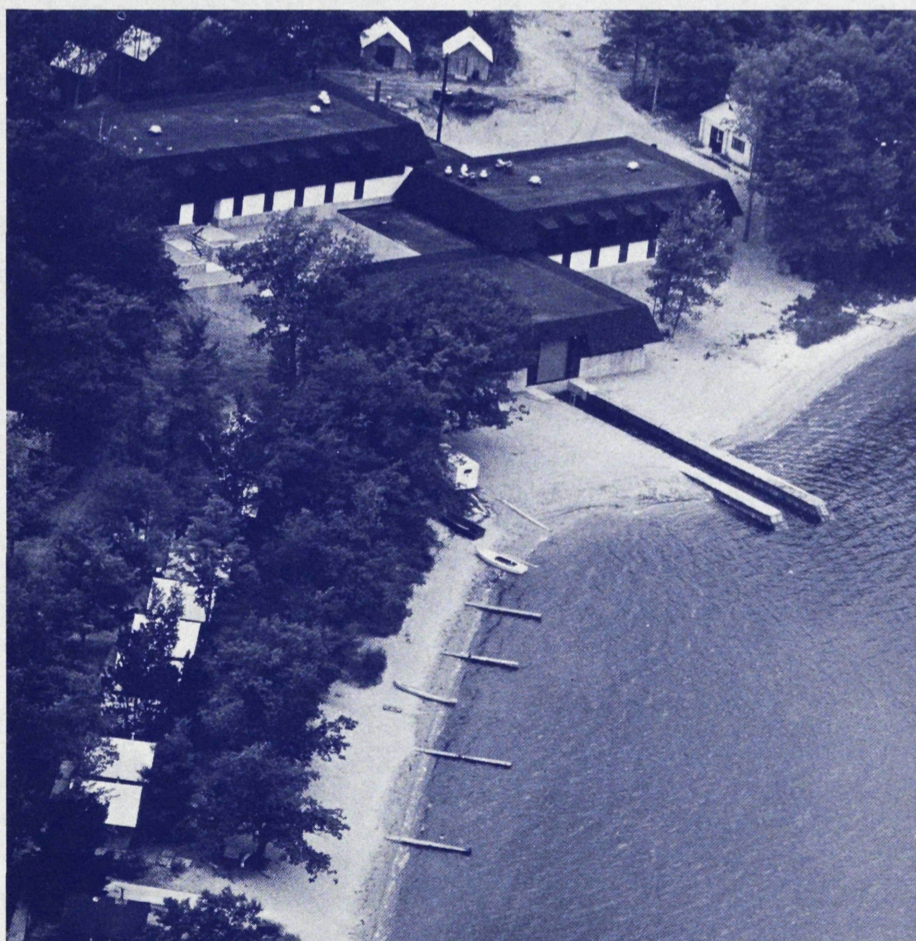
"We've finally been able to winterize our facilities to the point that some students and researchers can work during the winter," Gates says. "John Gannon will spend the winter here taking water samples periodically from Douglas Lake in an effort to establish a base line with which we can evaluate the quality of

other lakes in the northern tip of the lower peninsula," he adds.

By knowing the exact level of eutrophication, or premature aging, of a lake, the researchers can accurately predict the consequences of further lakeside development. Douglas Lake is a good "yardstick" for measuring lake quality because it remains relatively pristine.

"The good quality of Douglas Lake is a direct result of the University's owning five and one-half miles of undeveloped, or very carefully developed, shoreline," Gates maintains. He warns that uncontrolled development of Douglas Lake or virtually any lake can cause rapid despoliation.

"I don't know if the station's summer complement of about 270 students and 17 faculty and its tiny complement of winter researchers can stem the tide of environmental deterioration in our north country," Gates says, "but I do know we've got to try."



**LAKESIDE LABORATORY**—Aerial view shows some of the facilities of the Biological Station which house modern laboratories and topnotch scientists. The lakeside laboratory will headquarter much of the new research on environmental issues concerning man's impact on a non-urban environment.

## In A Few Words . . .

The first organized sport at Michigan, cricket (1860), has been revived with the formation of the Cricket Club. . . . Jane Waterson, recent UM law graduate, is the assistant dean and admissions officer of the Law School, the first woman to hold the post. . . . The Kelsey Museum of Archaeology has been placed on the National Register of Historic Places, joining the President's House; the Observatory building and the UM's Gordon Hall in Dexter, were also nominated. . . . Prof. Thomas E. Kauper, a member of the Law School faculty since 1964, has been nominated by President Nixon to return to the U. S. Justice Department as assistant attorney general in charge of the antitrust division. . . . The Friends of the Museum of Art, established four

years ago primarily to encourage gifts of cash and kind for the University art collections, has enrolled nearly 1,000 members. . . . Rhoda R. Russell, Dean of the School of Nursing, has retired after 32 years of service to the University during which she made the School of Nursing one of the finest in the nation. . . . Ann Arbor was named for Ann Allen and Ann Rumsey who maintained a grape arbor in the 1840's near the campus. . . . William F. Weigle, a UM doctoral candidate, will be a U. S. representative in the 50 kilometer race walk at the forthcoming Olympics, while two Michigan track stars, hurdler Godfrey Murray and quarter miler Kim Rowe, both Big Ten champions, will be running for Jamaica.

## the Vital Margin

# UM Students Now and Then: Is There Really a Difference?

by Michael Radock  
Vice-President for University  
Relations and Development

Contrary to popular belief, Michigan freshmen are not one faceless naive mass of humanity, ready to be molded by the "Big U." Incoming UM freshmen, according to a recent American Council on Education survey, are already opinionated, independent thinkers, atypical of the national norms, and different in several respects from their counterparts who entered the University one year before them.

The big question remains: Is this any different than it was for a Michigan freshman a half century ago?

Some answers to this question are revealed in the Freshman Handbook issued in 1920 for the class of 1924. Former UM executive vice-president Marvin L. Niehuss, Professor Emeritus of Law, still treasures his handbook.

### Quiet Advice

"When this little book is placed in your hands, you will be in the process of becoming a member of The University of Michigan," the new student is told.

"If you should be canned at the close of the first semester, don't tell the folks at home that if only somebody had given you some quiet tips on how to get along when you came here, it might have gone differently with you. That is exactly what this book is for—and here are the facts. Look 'em over. All your life you have been looking forward with eager interest to the time when you would enter college. Well—here you are."

The Handbook, issued by the Student Christian Association, then proceeds to set forth some practical advice:

"You will want to put a roof over your head as soon as possible. Doubtless you have already attended to this important matter. If not, see to it without delay. Ann Arbor is not a large city, and lodging accommodations are inadequate to care for a student body running into five figures. If you are still out in the weather, go to the Michigan Union (if a man) or to the office of the Dean of Women (if otherwise) and ask for a list of available rooms. Do not tarry to read any more of this until you have found quarters."

"Having secured a room, get settled promptly. Don't spend the first ten days arranging and re-

## Alan MacCarthy Retires as Development Director

Alan W. MacCarthy, one of the best known and respected college fund-raisers in the nation, has retired from the directorship of development at the University after 21 years of service.

Under the University's Development Council, MacCarthy established the very successful development office and operations, the pattern for which has been adopted by numerous other universities and colleges. The UM's distinguished Presidents Club, the national award-winning annual giving program, and other units for soliciting private contributions to the UM were developed

under his direction.

The new director of development is Wendell R. Lyons who, for the past five years as associate director, has worked closely with MacCarthy in all phases of the UM's development program. His background includes extensive administrative experience in fund raising, YMCA work, and athletics. For a time he was assistant to the president of Western Michigan University. He also has served as general chairman of the Ann Arbor Area United Fund and is presently a member of the Executive Committee of Michigan United Fund Board.

arranging maize and blue pillows in artistic groupings, tacking pennants on the ceiling, and spreading fish-net photograph-and-dust catchers on the walls. Try to make your room attractive, but don't be too long about it.

"Contrary to the opinions of some people, the landlady has a few natural rights. In spite of the interesting fact that you have now come to live with them, she and her family may indulge the hope that you will consent to let them live there too.

### Learning to Loaf

"If you have not already learned how to loaf, the habit may easily be formed during the few days while you wait for the University to open for business. Puttering is the most readily acquired of all the arts and sciences. To spend the afternoon sauntering about the streets, and the evenings at the movies for a week preceding the beginning of instruction, may mean your ruination.

"Be advised that the University does not start off gradually, like an ocean liner leaving the dock, imperceptibly gathering momentum until she is finally at top speed sometime in November. No sir; they step on the gas and cut the muffler at eight o'clock in the morning of the day one of the first week, and whoever fails to get a hand-hold, at that moment, finds himself chasing along behind.

"Most freshmen, who fail to become sophomores, met their Waterloo in the first week. They puttered too long. They kept saying, 'Now, tomorrow, I'm going to buckle down and get to work!'

And, after they had put off buckling for a few days, they discovered they had lost the buckle."

### The Girl At Home

"If you have exchanged promises with the girl at home, see to it that you fulfill your part of the contract. If you have not committed yourself to anything definite, don't get maudlin some rainy Sunday afternoon when you are desperately lonely and write something foolish. You have entered upon a job that will preclude matrimony for a long time. Much water will pass under the bridge between now and 1924.

### Your Own Boss

"Whereas you have been more or less closely supervised until now by other people who loved you a great deal more than you deserved, or was good for you, you are now your own boss.

"Formerly, you were told when to get up in the morning, when to go to bed at night. Here, nobody cares when you get up. Nobody cares when or whether you go to bed.

"If you wish to bolt your food and ruin your digestion, it is your food and your digestion. Go as far as you like.

"If you neglect to care for your health, nobody is going to warn you until you have managed to cough up some TB symptoms, and then it may be too late.

"It was customary for your high school teacher to say to you, occasionally, 'Jimmy, you are slipping in Algebra. Better mind your step.' Nobody says that to you here. You may slip and fall, and there will not be a hint that anybody knows about it until you are notified that you are 'busted'.

"Now—this does not mean that your Alma Mater is cold-blooded, and doesn't care what happens to you. This is part of your college



**BENTLEY HISTORICAL LIBRARY** — Three hundred persons, including Rt. Rev. H. Coleman McGehee, Jr., Vice President Allan F. Smith, and Michael Bentley watched Mrs. Alvin Bentley turn the first earth to start construction of the library on the North Campus to house the Michigan Historical Collections. A major grant from Mrs. Bentley has made possible the erection of the \$1 million library.

training. One of the important values of higher education is to test out your character to see if you are man enough to stand on your own feet.

"You cannot expect that some disciplinary committee will be following you about, all the rest of your days, telling you when to change your hose, when to study, how to eat, with whom to associate, and whom to avoid. You are your own boss now. Whereas you have been riding in the back seat of yourself, you are now to take the wheel and drive. If you strip your gears, don't blame the Road Commissioners."

## Construction to Start on A & D Building

Construction of the long-awaited College of Architecture and Design building will begin on the North Campus this fall. The \$8.4 million structure, to occupy a site opposite the North Campus Commons, will replace the school's present building on the main campus.

## TV Units Move to New Facilities

Instructional and public telecommunications production at the University will move into a former Argus Optics Company building following a \$980,000 renovation. Fifty percent more floor space will be available than in the antiquated facility in which the UM has operated its extensive and pioneering programs in educational television. The new center will provide the faculty with the capacity to provide a broad range of services for the use of video tape in teaching and research, including color capabilities.