

NOV 16 1972

MSU VERTICAL FILE

REFERENCE DEPARTMENT
MICHIGAN STATE UNIVERSITY



THE ADMINISTRATION BUILDING: Betwixt the tufts of snow

Photo by Dick Wesley

MSU News-Bulletin

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Michigan State University

NOVEMBER 16, 1972

Contested votes to decide C-T election

University clerical - technical employees remained without a bargaining unit following elections held Monday and Tuesday because of 179 challenged ballots.

The American Federation of State, County and Municipal Employees (AFSCME) held a slim 17 vote margin over the MSU Employees Association (MSUEA), with the final outcome of the election resting on the determination to be made with regard to the contested votes.

The totals following the election were AFSCME 634, MSUEA 617, and challenged ballots 179. Five ballots were spoiled and not counted. Approximately two - thirds of the C - T's eligible to vote actually cast ballots.

Most of the contested votes were challenged by the University on the basis that the voters fit the definition of "supervisor" agreed to by all parties, and thus were not eligible to vote.

The Michigan Employment Relations Commission (MERC), which conducted the election, will appoint a trial examiner to rule on the challenged votes.

Rollin Dassen, MSUEA president, said he is confident that there will be the withdrawal of many of the challenged votes, and MSUEA will win the election.

"Many of the challenged votes were cast by persons who openly supported our organization," he said.

The AFSCME people disagree. "We are sure that the University will stand by its challenges and we will retain our victory," said Barbara Parness, a C - T employee in the College of Urban Affairs and spokesman for AFSCME.

"Even if some of the challenges are withdrawn, we still feel we will be victorious," she said, "since many of the challenges concern dormitory workers and we have good support in that area."

Although both groups felt confident of a victory prior to the election, both said the vote would be close.

According to Dassen, MSUEA felt some injury to the outcome occurred, however, when shortly before voting opened Monday, Keith Groty, asst. vice president for personnel and employee relations, presented a list of 125 persons the University challenged as eligible voters.

"I can't understand why these people were challenged now, when they were eligible voters during the initial election in October," Dassen said.

Groty said, "We have the responsibility as the employer to provide a list of employees who meet the definition of the appropriate unit within our ability, and under the rules set down by MERC we have the right to refine that list in line with the unit definition up to the time voting starts."

Miss Parness said that the University had inadequate personnel records and wasn't able to determine eligible voters prior to the first election. "However, at our insistence, the University got the necessary information prior to this election," she said.

Groty, however, said an employer in a non-union situation does not always keep the same type of records as one operating with a union structure.

Whatever the outcome of the vote, both groups have agreed to work with each other.

"We have always been friendly with

AFSCME and we would support its efforts if the union wins the election," Dassen said. "We prefer AFSCME to no agent."

Miss Parness said it would be difficult to work with MSUEA, but her group would try to open MSUEA's constitution and make it a more democratic organization.

"If the MSUEA wins, and if we have

the support of the group's membership, we would propose a merger of MSUEA with AFSCME," she said.

Although there isn't a certified bargaining agent as yet, AFSCME is assuming victory. "The group is currently laying the foundation for establishing a local and writing a democratic constitution," Miss Parness said.

Richardson to speak

Elliot L. Richardson, secretary of health, education and welfare, will be the speaker for MSU's fall term commencement Saturday, Dec. 2.

Richardson will address the ceremony for undergraduates that begins at 3 p.m.



ELLIOT RICHARDSON

in the Auditorium. Exercises for graduate degree candidates will be held at 10 a.m. the same day, also in the Auditorium.

Richardson is also among three men who will receive honorary doctor of laws degrees at the commencement. Joining him will be Leonard Woodcock, president of the United Auto Workers, and Dr. George A. Garratt, professor and dean emeritus of Yale University's School of Forestry.

A former lieutenant governor and attorney general of Massachusetts, Richardson was undersecretary of state from 1969 until President Nixon named him to head the Department of Health, Education and Welfare in June 1970.

He had served as assistant HEW secretary for legislation in the Eisenhower Administration, and was involved, among other things, in developing the National Defense Education Act.

He holds both bachelor's and law degrees from Harvard University, and served briefly as a clerk for the late

(Continued on page 6)

Science notes

Electron microscope: Fishnet for atomic domain

A net for fishing in the atomic domain.

That's the way Humberto Fernandez-Moran describes the electron microscope.

The Venezuela born, University of Chicago biophysicist, who is credited with being one of the developers of the electron microscope, participated in a recent seminar at MSU held in memory of Leroy G. Augenstein, cofounder of the University's biophysics department.

"The net of the electron microscope is a hundred thousand times more fine meshed than light," Fernandez-Moran said.



BY
PHILLIP
MILLER

For many years the effectiveness of the electron microscope was limited by the flawed knives used to slice material for study. Surgical steel and glass knives were too crude and easily dulled. The near-perfect knife edge seemed an impossibility.

A holder of two M.D. degrees Fernandez-Moran was faced in the late 1940s with this problem of obtaining a knife so sharp it could cut molecules. He hit upon the idea of centrifuging diamond dust. He then separated the smallest of the particles from the rest, and began to hone the most precise and sharpest of all knives. Now used throughout the world to cut anything from an amoeba to tungsten-steel, the invention makes a surgeon's scalpel look like a dull saw.

Eye surgeons have now taken up his diamond tool with great success. They report faster healing with fewer complications.

Not content with perfecting the knife, Fernandez-Moran experiments with his own electron microscope which, with companion equipment stretches five stories high on the Chicago campus.

"The electron microscope, by magnifying things up to millions of times, makes this world of molecules and atoms — which would otherwise be very abstract and which we could not imagine — visible," he said.

"Life is written small, very small," he continued. "The code of life is written in letters that are three and a half atoms high. And to give you an idea of an atom, if you make an atom the size of your fist, your body would be larger than the earth on this scale."

Fernandez-Moran is a scientist whose profession and philosophy stretch from the tiniest atoms to the farthest stars:

"My quest for nature, as opposed to manipulation of nature, has definitely brought me closer to the conviction that there is a Superior Being. It's the same thing that I detected with the astronauts I've been associated with in the space program."

He is a principal investigator until the end of this year for the electron microscopy of moon rocks.

"And it's peculiar that all of these men, he says, when they come back, they come back more mature."

Fernandez-Moran is not afraid to consider the existence of super-intelligent life in outer space.

"The one thing that you're going to find is that the higher an intelligence is, the

more compassion and understanding it will have," he said. "So these popular misconceptions of weird creatures from Mars that eat you up and all of that is highly improbable. I believe that, quite the contrary, the higher they are, the more understanding. "I, for one, believe we are not alone in this universe," he continued.

"I can't imagine that in such a fantastic universe in both outer space and inner space, that we should be alone.

And because of this I predict that we're going to find that throughout the universe molecules and atoms are going to obey certain laws which make it possible that all forms of intelligence have a common denominator.

"And the more wisdom we find, the more compassion we will also find," he said.

"I think that these two things are found together, at least in men I have known, and I have been privileged to know men like Einstein. I've met some of the best, the greatest minds of our time, and the hallmark of them all is goodness. Goodness in the true sense — compassion, understanding and feeling. They're artists."

*History in sound**Truman forgets protocol*

By G. Robert Vincent
Curator, National Voice Library

(Actual recordings that detail this and other events are available in the National Voice Library on the fourth floor of the Library. An appointment can be made by calling 355-5122.)

On Monday, April 16th, 1945, the new President of the United States, Harry S. Truman, in office only four days, addressed his former colleagues at a Joint Session of Congress. He forgot the protocol of an introduction, but Speaker Sam Rayburn rose to the occasion.

TRUMAN: "... Mr. Speaker, ..."

RAYBURN: "... Just a moment. Let me introduce you, Harry ... Senators and Representatives, I have the distinguished honor of presenting the President of the United States ... (Applause)

TRUMAN: "... Mr. Speaker, Mr. President, Members of the Congress. It is with a heavy heart that I stand before you, my friends and colleagues in the Congress of the United States. ... Within an hour after I took the oath of office, I announced that the San Francisco Conference would proceed ..."

The San Francisco Conference to form a United Nations organization did proceed as scheduled. I was appointed officer-in-charge of all sound and recording facilities and had the opportunity to meet the new President. At the conclusion of the Conference he addressed the delegates:

TRUMAN: "... Let us not fail to grasp this supreme chance to establish a world wide rule of reason, to create an

enduring peace under the guidance of God ..."

Truman soon mastered his job. He always called a spade, a spade. In 1948 he was nominated for the presidency in his own right:

TRUMAN: "... I accept the nomination! ... Senator Barkley and I will win the election and make these Republicans like it. ... Don't you forget that! ..."

"Give 'em hell, Harry!" the plain people cried. Truman had a certain underdog appeal as compared to his suave and confident opponent, Thomas A. Dewey.

His whistle stop campaign was a classic:

TRUMAN (from rear platform of train): "... I must have your help ... you must get in and push and win this election. The country can't afford another Republican Congress ..."

TRUMAN (at another stop): "... Sounds like the same old phonograph record ... but this year the record has a crack ..."

TRUMAN (at another stop): "... I don't care about that! I don't care what they say ... there's nothing new that they can say about me; it's all been said ..."

In future years the deeds of Harry S. Truman will, no doubt, be appraised objectively. In the meantime, Harry himself can give you a hint:

TRUMAN: "... I've tried my best and I always quote one epitaph which is on a tombstone in Arizona. It said 'Here lies Jack Williams; he done his damndest' ..."

Letter

Continued credibility sought

To the Editor:

With last week's issue, there was a change in editor of the News Bulletin. Those of us who know Gene Rietfors are sure that he did his best to make the News Bulletin a true "University Paper." We know that Gene tried to live up to the standards established by Vice President Perrin when he said in the News Bulletin of April 1, 1971:

"In carrying out this purpose, we will not be an administration paper, but rather a University paper. We will seek to be a 'newspaper of record' in reflecting major policies, but not to the

exclusion of providing true and balanced reporting on controversial issues. Our columns will try to represent accurately, informatively and objectively the events and policies which interest or affect the permanent members of the MSU community."

We trust that the new editor, Mike Morrison, and the staff will follow the policy outlined by Vice President Perrin. Only if faculty and staff believe that there is "true and balanced" reporting on controversial issues will there be credibility for the News Bulletin. The faculty and staff need this channel — we hope and trust that the change of editors is not a change of policy. We hope that the policy of the paper would reflect the University community.

Jack Bain, Secretary
MSU Chapter AAUP

Lester Manderscheid
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Around the campus: A summary

Agreement assures credit transfer

Future community college graduates in Michigan will find transferring to the state's four - year colleges and universities easier, thanks to an agreement signed last Monday at MSU.

In what is believed to be the first such voluntary agreement in the nation, 18 four - year institutions pledged to accept the general education requirements of 16 community colleges as equal to their standards.

Starting 1973-74, community college students will know which four - year colleges will accept their school's general education credits. Fears of losing credits which cannot be transferred and having to redo some general education work will be eliminated.

Five years of negotiations, led by the Michigan Association of College Registrars and Admissions Officers (MACRAO), eliminated institutional differences in general education requirements. These involve English composition, social science and humanities, and account for one year of college credits.

Most of the state's 38 four - year and 29 two - year colleges are expected to join those pioneers, but many have not completed their studies of the unprecedented pact and their approval procedures.

This agreement was likened by Dr. Richard E. Hensen of MSU, to the Michigan High School - College Agreement, the pioneer system for accrediting schools so that their graduates would be accepted by colleges. Dr. Hensen is MSU's associate director of admissions and scholarships, and chaired the MACRAO committee which completed the negotiations.

For students, the Michigan agreement can be more helpful than the statewide college systems being developed in many states, Dr. Hensen said, because state - controlled systems don't always guarantee the transferability of credits.

The general education agreement project started with a suggestion at a MACRAO spring workshop in 1967 and involved two statewide surveys, a series of hearings and many hours of negotiations.

Premiere given for lost composition

A composition lost in the mail for 11 years will receive its premiere at MSU.

The work will be performed by MSU's Wind Ensemble under the baton of composer Vaclav Nelhybel at 1:30 p.m. Saturday, Nov. 18, in MSU's Fairchild Theatre.

Nelhybel wrote his "Opus Concertante" in 1961 and mailed it to Italy where it was to receive its premiere performance. The score, however, never reached Italy. A few months ago, after it had been lost in the mail for 11 years, it was returned to Nelhybel in Connecticut, unopened.

The MSU concert, which is open to the public without charge, is part of a special day - long session for Michigan high school band directors presented by the MSU bands and MSU Director of Bands Kenneth Bloomquist.

Nelhybel's "Opus Concertante" will be the only work on the wind ensemble's program. "The hour - long work is unique," said Bloomquist, who has premiered a number of Nelhybel's compositions when he was director of bands at the University of Kansas.

"It is really a concert within itself," he said. The 10 different movements are contrasting and each uses a different combination of instruments - from three to the entire 50 - piece wind ensemble.

Foreign students to study together

Foreign students from more than 40 nations - far from home and family at holiday time - will spend their Christmas vacation studying together at MSU's 20th Annual Adventure in World Understanding.

The foreign students, who attend 40 American colleges from New York to California, will hear presentations by MSU and other authorities; visit volunteer and government agencies, talking with officials, staff and patrons; tour a major American industry, talking with laborers and management, and spend one day exploring the Detroit metropolitan area.

They will live and dine together as they study in the Kellogg Center.

Principally, they will study how citizens cooperate and organize to meet problems which result from development and urbanization.

Joining with them will be six American students from MSU who will represent their nation in discussions and serve as hosts.

Each foreign student will spend two days - Christmas Eve and Christmas Day - in the home of a mid - Michigan city or farm family, getting a better idea of American family life.

Students investigate teaching

The College of Education is taking steps to help students decide whether or not they really want to be teachers before they spend time and money preparing for a career that they find later they do not like.

Approximately 100 freshmen and sophomores who think they would like to be elementary school teachers are spending one day a week for 10 weeks in a Lansing area school. Only after they successfully complete one term of being a teacher's aide will they be admitted to the College of Education.

Prof. Shirley Brehm, who has been instrumental in developing the program at MSU, describes it as a "reality test." Although the students are not expected to teach, they do help the teacher with everything from passing out papers, to paying extra attention to children having problems, she says.

At the end of the term, reports made by the students themselves, the teachers with whom they worked and MSU liaison people in the schools are reviewed. Only those students who the College of Education and representatives of the teaching program feel have the potential for being good teachers continue in education.

Dr. Brehm estimated that roughly 10 percent either decide they no longer want to be teachers or are advised by the college they probably would be happier in a different career. There is an appeal procedure for those who feel the "Exploring Teaching" course did not reflect their potential.

Michigan State is one of only six to eight colleges in the country which provide experience in the classroom for freshmen and sophomores before they are admitted as juniors to a college of education.

The program at MSU is now in its second year of operation. "We had always wanted to start the program before, but with the need for teachers the last 15 years we could not be selective. Now we can be more selective without guilt because supply is catching up with demand," Dr. Brehm says.

The professor of elementary education also sees the research potential for finding a method to predict which students will be good teachers. "There is nothing now in the profession which lends itself as a predictor," she says.

American studies program altered

MSU's seven-year-old undergraduate program in American Studies has undergone curriculum revisions this fall that offer students wider options in selecting courses in the many facets of American civilization while retaining a solid emphasis on English and history.

Previously, the program was built around a 40-credit-plus bloc of courses in either English or history with up to three cognate areas incorporating at least nine credits each in related subjects.

The revised program requires an emphasis on both of the major areas - 25 credits in English and 23 in history - plus 24 credits in either political science or sociology and 12 credits of American Studies seminars.

Upon application to the chairman of the program, a student may substitute an optional cluster of relevant courses in place of the social science sequence.

For the first time this fall, there is no foreign language requirement, leaving more room in a student's schedule for electives in such areas as economic history, art history, philosophy and religion that bear on the interpretation of American society.

Victor Howard, associate professor of English and director of the American Studies Program, says: "There has been a tendency in the last decade for some students to wish to focus on American social problems, life styles and value systems. They see the importance of learning about American civilization as a means of understanding the country's problems.

Howard said a bachelor of arts degree in American Studies functions as a general arts degree, a pre-law curriculum, preparation for careers in such areas as journalism, library science and museum work, and for graduate study in history, literature or American Studies.

A graduate program was begun in 1970 and has thus far granted two Ph.D.'s. It is primarily for students interested in college teaching careers.

Guest conductor gives concert



Photo by Bob Brown

Kamen Goleminov, guest conductor in residence at MSU fall term, will make his final appearance with the MSU Symphony Orchestra at 8:15 p.m. Monday, Nov. 20, in Fairchild Theatre.

The concert, which is free to the public, is part of the first International Festival for the MSU Symphony and Chamber Orchestras.

Goleminov, who is from Bulgaria, will lead the orchestra in the premiere of "The Pleasant Truth" by Dr. Paul Harder, MSU professor of music, a work commissioned for the festival; "Air for String Orchestra" by Bulgarian composer Krassimir Kyurkchisky; "Variations on a Nursery Song for Piano and Orchestra, Opus 25" by Ernst Von Dohnanyi with pianist David Renner, assistant professor of music at MSU and Mendelssohn's "Scotch Symphony."

Goleminov said he was impressed with the musical ability and good discipline of the orchestra members.

Before leaving, Goleminov will present a lecture on Bulgarian folk music at 9:10 a.m. Tuesday (Nov. 21) in 339 Case Hall. He will play examples of the music on tape and on the piano.

Prof didn't just talk about it; he did something about weather

One of the frustrations of the first snowfall of the season, and of those to follow in the ensuing five months, is the inability to curse someone responsible for the inconvenience. But as far back as 1863, an MSU scientist and one of the state's first environmentalists, had a scapegoat for Michigan's frequently obnoxious weather — the lumber barons.

It was then that Robert C. Kedzie, chemistry professor at what was the State Agricultural College in East Lansing, started keeping comprehensive weather records on campus. This led him to express anxiety about the devastation of Michigan's great forests by the lumbering interests.

Perhaps backed by some scientific evidence, it was Kedzie's theory that the removal of the trees was changing the climate of the state and increasing farm crop losses from frost and drouth. Although Kedzie wasn't successful in halting the destruction of the forests, he did succeed in initiating an extensive tree-planting project in Michigan. Madison Kuhn's history of Michigan State University, "The First Hundred Years," notes that in 1867 Robert Kedzie entered the legislature and introduced a law which reduced the taxes of those who would plant roadside trees.

"How many of Michigan's roads became tree-bordered as a result of the Kedzie law?" Kuhn asked in his book.

The inauguration of Kedzie's weather statistics preceded the formation of the United States Weather Bureau by eight years. He continued the records without interruption for nearly 40 years, until his death in 1902.

Norton D. Strommen, today's local, state and federal climatologist with offices in the Manly Miles building on campus, believes that the Kedzie records are by far the longest and most complete in Michigan. Some earlier records from other areas of the state are in existence, according to Strommen, but since they are fragmented they are difficult to use.

Kedzie's statistics were not merely of transitory interest. They are still used almost daily to compare current moisture and temperature measurements against historical

recordings. In fact, Strommen is now scanning the Kedzie records, along with modern statistics, to plot a complete climatological history of Lansing area weather covering more than a century.

Although the project is still incomplete, the climatologist has already established that East Lansing was considerably colder in the 1880's than now, that there was a warming trend from 1903 to 1955, and that the climate is getting colder once again.

Strommen expresses amazement at Kedzie's remarkable accomplishments as a lone weather observer. Not only did he make uninterrupted observations for 40 years, he set some demanding standards for himself. Without the use of some of the more automatic devices of today, he recorded temperature, humidity, vapor and barometric pressure three times daily, 7 a.m. and 2 and 9 p.m. In addition he made daily observations of wind velocities, cloud cover, and moisture. All of these were published in the Michigan Board of Agriculture annual reports starting in 1865.

The weather related interests of Kedzie, although not a specified part of his duties as a chemistry professor, led to the development of weather observation and forecasting activities and facilities on campus for many years to follow.

In 1909 the U. S. Weather Bureau constructed a weather bureau observation building near the north entrance to the campus, directly across from the present East Lansing State Bank.

Dewey A. Seeley was the federal weather forecaster from 1910 to 1933, doubling as a professor of meteorology. Later the building was razed for dormitory construction, but the weather bureau was moved to the building now occupied by the Michigan Press Association along Michigan Avenue.

Two federal-state weather offices are maintained now, one at the Capitol City Airport, the other headed by Strommen in rented quarters in the Manly Miles building.

Weather observations for agricultural purposes have also continued on the



Photo by Dick Wesley

Professor E. H. Kidder of the Department of Agricultural Engineering calculates the dew point using a set of dry-bulb-wet-bulb thermometers at MSU's agricultural weather station near the intersection of Forest and Beaumont Roads. The instrument shelter to his right also houses devices that give continuous measurements of relative humidity and temperature, and the high and low temperatures for the previous 24 hours.

campus by members of the Department of Agricultural Engineering. Professor E. H. Kidder is now supervising that activity. The agricultural weather station is located south of the WKAR tower near the intersection of Forest and Beaumont roads. Recordings include daily maximum-minimum temperatures, dry and wet bulb humidity, wind velocity, rainfall, and during the summer daily moisture evaporation and measurement of incoming solar energy. Soil temperature readings are taken at 5 p.m. daily from 2 to 80 inches in depth. This information is relayed to the U. S. Weather Bureau and is much used by researchers on the campus.

Still a third campus weather establishment is in operation in the Natural Science Building. Serving as a

research and teaching tool, it is a weather facsimile station supervised by Jay R. Harman, climatologist and assistant professor of geography.

Daily forecast maps are provided in a special lobby display by the central (east) door of the building, together with weather maps of windflow patterns at about 18,000 feet where the wind steers the earth's surface weather.

Highs and lows, and warm, cold and stationary fronts are identified with additions of red and blue marks. A facsimile machine provides a look from a U.S. weather satellite of the cloud cover over the earth. The facsimiles are stored in archives, but may be examined in the machine room by faculty.

No matter what the weather may be in East Lansing, miserable or delightful, it never goes unobserved or unrecorded.

—LOWELL TREASTER

Universities do respond, Lazer says

The charge that universities are resistant to change was challenged by William Lazer, MSU professor of



WILLIAM LAZER

marketing, in a recent speech at Northern Illinois University.

Lazer, president elect of the 18,000-member American Marketing Association, said almost every major institution has embedded within it some resistance to alteration but that universities have been more open to change than many other institutions.

Lazer spoke at a symposium marking the 20th anniversary of NIU's College of Business, citing a number of developments in his own field of business administration to support his claim.

The kinds of pressures facing universities — the financial crunch, legislative demands for accountability, faculty collective bargaining, a tight job market, concerns about an "overeducated nation" — are demanding change, he said.

And changes are evident in business education, Dr. Lazer said.

"We are concerned with the new tools of the trade that extend beyond textbooks, conventional libraries and notes," he said. And faculties need not consist only of those teachers on hand,

Dr. Lazer said, but can include specialists available via tapes, telephones and computers.

He questioned the notion that professors must have the Ph.D. degree. "What about the people of great accomplishments in business who have no degrees — should they also be teaching? Musicians, actors, artists, and journalists have been doing so."

Dr. Lazer cited other signs of change, particularly in business education:

*Concerns about the quality of life, consumerism, poverty, the environment, urban affairs, and minority issues are having major impact on the business disciplines. This impact is reflected in "the research, literature, and in business education courses."

*The university's concept of its responsibilities for business education is changing, with the result that more attention is being paid to part-time and evening students and adults, as well as full-time students.

*"The distinction between undergraduate and graduate education in business education may be blurring." Personal and professional goals in college should be more important than

graduate or undergraduate status.

*Basic business principles are being questioned, including the marketing system (which has emphasized private property and individual responsibility), consumer franchise (the belief that consumers direct production), consumer behavior (individual consumption vs. social responsibility), and the role of advertising.

The current emphasis on social responsibility, Dr. Lazer said, "parallels the managerial development of the 1950s and 1960s. It will result in a restructuring of disciplines."

He predicted that the future thrust in business education will be toward meeting social needs.

Tomorrow's business administration curriculum, he said, will contribute new understanding to market knowledge; provide new approaches to harmonize natural environments with human needs; develop more realistic "multinational perspectives;" develop a better division of resources between today's demands and future demands; and provide better cooperation between government and business, and between business and other disciplines.

U specialists look at school financing

Two MSU public finance specialists agree that the financial burden for public education will be shifting more and more from local to federal and state levels.

But in the wake of last week's rejection by Michigan voters of two tax reform proposals, Dr. Milton Taylor and Dr. Stanley E. Hecker say that the immediate outlook for school financing in the state is clouded.

Proposal C would have eliminated the property tax as a source of public school operating funds, and Proposal D was an attempt to remove the constitutional ban against a graduated state income tax. Both lost decisively in the Nov. 7 election.

Dr. Taylor, professor of economics, had opposed Proposal C because he contended it didn't go far enough toward insuring equal educational opportunity, and it would remove the possibility of having a state-level property tax. He supported Proposal D.

Dr. Hecker, professor of administration and higher education, supported Proposal C as a step in the right direction, and he expressed surprise at its defeat.

Unequal educational opportunities are "bound to exist as long as the property tax is used at the local level for half or even a third of educational financing," Dr. Taylor says. He has written extensively on public finance and tax reform.

"If something isn't done for purposes of equity," he says, "then it should be done for legal reasons, since the property tax probably will be ruled unconstitutional as a source of school funds."

Dr. Taylor says that property tax reform, like school integration, ultimately

will have to come from the courts, not the legislatures.

The courts have already shown more enlightenment, he says, than legislatures. The latter are controlled in many states, including Michigan, by suburban interests, Dr. Taylor adds, and they don't exhibit much concern for the core cities and poor rural areas, particularly the plight of blacks.

He contends that education is "the worst possible expenditure to finance at the local level," because its advantages and values extend to society at large.

The more widespread the benefits of a public expenditure, Dr. Taylor maintains, the more reason there is to finance it at the highest level.

The defeated Proposal C, he contends, offered "phony equality" because it contained an "enrichment factor" of six mills - a provision allowing each school district to levy up to six mills of property tax for its own educational support.

This would have meant, in effect, that some districts could provide "more equal" education, Dr. Taylor says. Equality can't be relative, he adds. "Equal means equal; it's like trying to say that someone is a little pregnant."



MILTON TAYLOR



STANLEY HECKER

Dr. Taylor also says that the adoption of Proposal C would have "almost forced" the State Legislature to impose a value-added tax in order to raise some of the funds lost by the property tax removal.

And in practice, he says, a value-added tax really amounts to just another sales tax for the consumer.

Removing the property tax, Dr. Taylor says, would mean a windfall for two groups - landlords and corporate business. Both groups have heavy property tax loads, and both would have realized a net gain, even with the likelihood of an increased state income tax.

He sees two possible alternatives to a locally imposed property tax: Have a flat-rate property tax at the state level, or remove individual property taxes (and substitute a higher personal income tax) but retain property taxes for businesses.

"Someday," says Dr. Taylor, "education probably will be financed half by the states and half by the federal government."

He says that in the meantime, states need to avoid further regressive taxes (like property and sales taxes) and to recognize that the federal tax is inequitable. In Michigan, he favors a graduated income tax, but one that avoids the loopholes and inequities of the federal tax.

Like Dr. Taylor, Dr. Hecker believes federal funds will play a major role in school financing, even to the point of one state helping support the schools in other states.

Dr. Hecker was a consultant to the Michigan Education Association which lead the petition drive to put Proposals C and D on the ballot. He also was an expert witness on behalf of Gov. William G. Milliken and Atty. Gen. Frank J. Kelley in their request that the State Supreme Court declare the property tax unconstitutional as a means for supporting the operation of public schools.

"Michigan has no problem that is any different than any other state's," Dr. Hecker says. "In fact, Michigan is a comparatively wealthy state. It is among the top 10 in terms of money spent per pupil and money per class."

He believes that federal school aid would help eliminate the irony of the poor school districts which cannot offer their students as much, but have the children who receive the least from their families in terms of "cultural experiences." They have not had the benefit of vacations, contact with people in other walks of life or the atmosphere at home which encourages learning, he says.

"I don't know where we are going to go, but we have some serious problems," he says.

Dr. Hecker, surprised at the defeat of Proposal C, blames its failure on the fear of voters that they would lose local control of their schools.

"There was no intent in Proposal C to remove local control," Dr. Hecker says.

Puzzled by exactly what voters feared they would lose, Dr. Hecker cites state control which already exists to some degree. The state certifies all teachers, requires a 180-day school year and provides half of the funds. In addition, the courts have limited the scope of dress codes.

Dr. Hecker also feels that fears that resources would be taken away from "wealthy" school districts was unjustified.

"We couldn't see destroying a district that historically had been building up a good program. . . Our real intent was to keep the best district at the same level and bring the others up to it."

The education professor admits there were some real questions about Proposal C. "There is no concrete evidence that money makes a difference in education. I believe money isn't the answer, but it's a step in the right direction."

In addition, Dr. Hecker says, it would have removed a regressive tax not related to a person's ability to pay.

— JANET MARCH AND GENE RIETFOR

Composers compete for award

Budding composers in the greater Lansing community have an opportunity to win a \$50 prize and have their work performed at the 1973 Day With the Arts in January.

Robert Harris, who heads the Day With the Arts Music Committee, is searching for a "short composition of a festive nature, two to three minutes long, for any combination of brass instruments." The score, he said, should not require more than four trumpets, four horns, three trombones, a baritone and tuba.

The composition is for

non-professional and student composers, Harris said.

Entry deadline is Dec. 31. Further information can be obtained from Robert Harris, Department of Music, telephone 355-7667.

The composer's name should not appear on the manuscript but rather should be placed in an envelope attached to the manuscript.

The Day With the Arts, Jan. 27 and 28, is in its 10th year and will feature dance, music and theatrical performances as well as exhibits and demonstrations in other art areas.

New curriculum tested for mentally retarded



BY
JANET
MARSH

MSU will begin field testing a new physical curriculum for the trainable mentally retarded in January.

Although the purpose of the program is to improve physical education for the mentally retarded, the goal is to develop socio-leisure competence - the abilities to play, act independently, gain self-respect, belong and move effectively.

The program has been developed and pilot tested during the past under the direction of Janet A. Wessel, professor of health, physical education and recreation. It is funded by a federal grant from the Department of Health, Education and Welfare with a contribution from the University.

Prof. Wessel describes the new curriculum as unique because it includes an individually prescribed program which can be adapted to group instruction. It also contains diagnostic tools which the teacher can use to determine the needs of each child and methods to coordinate the concepts being taught in the classroom with the physical education programs. It also has complete flexibility so it can fit into existing programs.

The teachers field testing the new curriculum will receive a kit of more than 20 "modules" covering such areas as physical awareness, rhythmical skills, lifetime sports, game strategy and social skills. The kit will have posters, pictures,

assessment-evaluation tools, observational film loops, transparencies, training manuals for personnel and a teacher's reference book.

Prof. Wessel calls an associated learning portion "a whole new way of integrating education with continual reinforcement." Coordinated by Jeralyn J. Plack, an assistant professor of HPR, it recommends the basic concepts to be taught in science, mathematics, health, daily living, music and art, and explains how they relate to physical activity.

Prof. Wessel gives the example of teaching colors. In art class the teacher can show the children the colors red and white and let them use red and white crayons, while in physical education the teacher can emphasize the difference between the red and white teams. In addition, the classroom teacher can point out that apples are red and milk is white.

The MSU staff has been trying out its new curriculum in Lansing at the Marvin E. Beekman Center for Trainable Children.

Prof. Wessel says she has been encouraged by the number of requests she has received from schools, both in Michigan and outside the state, asking to field test the new curriculum.

"I Can," as the new curriculum is called, has a built-in accountability, she says. Teachers, administrators and parents all can use the progress reports which are filled out in conjunction with the program to determine the child's current status and progress, as well as the final goal.

While developing the new curriculum, Prof. Wessel has charged communities to provide opportunities for the trainable mentally retarded to use the skills which they are being taught.

Two new Board members get preview



AUBREY RADCLIFFE

Open enrollment ends Friday

The annual open enrollment for faculty and staff insurance benefits will close Friday (Nov. 17) at 5 p.m. Persons who wish to change or add to their benefits may do so at the Staff Benefits Division, 344 Hannah Administration Building (telephone 353-4434).

Jack Stack and Aubrey Radcliffe, who won seats on the MSU Board of Trustees in last week's general election, have been invited to participate ex-officio in Friday's Board meeting.

They have also been asked to participate in the Board's informal meeting with the East Lansing City Council tonight at 7:30 p.m. in the Heritage Room of Kellogg Center.

That meeting, postponed from last month when Board business prevented a scheduled luncheon session, will allow University and city officials to discuss issues of mutual concern and explore ways of further cooperation in solving common problems.

Stack and Radcliffe, both Republicans, will occupy Board seats now held by Trustees Clair A. White and Frank Hartman beginning in January. Both new trustees are MSU alumni.

Stack is an Alma physician who received his B.S. degree from the University in 1959 and his M.D. from the University of Michigan in 1963. His professional, civic and political activities include serving as director of the Michigan Society for Mental Health, president of the Michigan Council for the Study of Abortion, and president of

the Gratiot, Isabella and Clare Counties Medical Society.

He is vice - chairman of the Republican State Finance Committee, and has served as finance chairman of both the Gratiot County Republican Party and the 10th Congressional District Republican Party.

In 1967, Stack was named one of Five Outstanding Young Men of Michigan by the Michigan Jaycees. Last year, Governor Milliken appointed him to a four - year term on the Michigan Mental Health Advisory Council.

Radcliffe, who lives in East Lansing, is a social, vocational and academic counselor for the Lansing Public School System. He earned a master's degree in guidance and counseling from MSU in 1964 and a doctorate in administration and higher education this year. His undergraduate work was done at the University of Youngstown.

He serves as assistant program director of Wolverine Boys' State, president of the MSU chapter of Phi Delta Kappa professional education fraternity, and as a member of the East Lansing Traffic Commission.

Radcliffe has been a national committeeman for the Michigan Young Republicans, and co-chairman of the State Human Rights Task Force.



JACK STACK

... Richardson

(Concluded from page 1)

Supreme Court Justice Felix Frankfurter before entering private law practice.

From 1959 to 1969 he served, respectively, as U.S. attorney, lieutenant governor and attorney general for Massachusetts.

Woodcock joined the United Auto Workers in 1940 and was international vice president until he took over the UAW presidency in 1970 following the death of Walter Reuther.

His list of public service activities includes the chairmanship of the Committee on National Health Insurance, and membership on the Advisory Committee on the National Committee Against Discrimination in Housing, the National Urban Coalition, and the President's Commission on Productivity.

Dr. Garratt is a 1920 graduate of MSU where he served for a year (1921-22) as an instructor of forestry. He joined the faculty at Yale - where he earned master's and doctor's degrees - in 1925.

He was dean of Yale's School of Forestry from 1945 to 1965, and since 1955 has been Pinchot Professor of Forestry.

It was while on leave from Yale (1942-45) that Dr. Garratt served as chief of the Division of Technical Service Training at the U.S. Forest Service's Forest Products Laboratory. He also spent part of 1945 as director of the Packaging Training Center for the U.S. Transportation Corps in Paris, France.

Dr. Garratt has won three other MSU awards: The Distinguished Alumni Award in 1951, a Centennial Award in 1955, and the College of Agriculture Outstanding Alumni Award in 1964.

Season tickets go on sale today

Season basketball tickets for faculty and staff personnel go on sale today at the athletic ticket office in Jenison Fieldhouse.

Two options are available:

*Season tickets for the lower-level reserved area may be purchased for \$10, amounting to \$1 per game for each of MSU's ten home games.

*Season tickets for reserved seats in the balcony cost \$15 for a package of 10.

Faculty and staff personnel may also purchase general admission tickets for "end zone" seats at \$1 per game.

On other campuses

WOMAN APPLIES FOR ALL-MALE SCHOLARSHIP. Eileen Lach, a University of Minnesota student, is challenging the all-male restriction of the Rhodes Scholarship to Oxford University in England. The scholarship was established in 1902 when Oxford was an all-male institution and was not changed when the university accepted women in 1920. Ms. Lach, a senior with nearly a straight-A average in international relations, was one of four names forwarded by the University to a state committee which will nominate two people for competition at the regional level.

MSU Positions Available

IMPORTANT: Administrative - Professional and Clerical - Technical applicants should contact the Employment Office at 353 - 4334 by November 21, 1972 and refer to the vacancy by the posting number. Instructional staff applicants should contact the departments noted.

FACULTY
Information Systems Specialist (M.S. in Public Administration or Administrative Science). Two years experience in designing/installing management reporting systems for monitoring/evaluation quality and effectiveness of service, preferably in health field. \$13 - 17,000

Sidney Katz, M.D.
Health Services Education & Research

Assoc. Professor of Social Work (Doctorate in Social Work or MSW and doctorate in related field; will consider candidate completing all requirements for doctorate within one year of appointment date.) Speciality: Social Policy.

Gwen Andrew, Director
School of Social Work

Extension Assoc. in Arts, 4 - H, Youth Programs (B.A. in Arts related disciplines, M.A. preferred) Specialized training in a number of areas included in art, dance, music, & theater. Experience in developing and implementing arts program.

Gary M. Glazier
Cooperative Extension Service

Asst. Instr. (Part - time, will consider senior - level graduate assistant) Assist in teaching FCS course, 401 - Minority Families in America, Winter Term 1973. Background in Social Sciences and/or black studies and experienced in minority cultures required.

Mrs. Morrison or Dr. Bubolz
Family and Child Sciences.

ADMINISTRATIVE - PROFESSIONAL

74. Computer Programmer I - Experience in programming on CDC 6500; knowledge of peripheral processor programming; systems programming experience. Able to work well within a group. \$9,330 - 11,850

CLERICAL - TECHNICAL

75. Office Assistant IX - Must be efficient executive secretary, be able to supervise office staff and oversee departmental functions such as budget, sick leave, vacation, etc. \$8,384 - 10,418

76. Executive Secretary VIII - Excellent secretarial skills, experience & maturity to supervise office staff, campus experience desirable. \$7,473 - 9,576

77. Peripheral Operator VI - Must have aptitude for operating peripheral data processing equipment and able to deal effectively with others under somewhat trying conditions. Perform clerical functions needed to service computer center users. \$6,436 - 8,048

78. Histotechnology Trainee - At least high school education including some chemistry; manual dexterity, high degree of responsibility and maturity; prospect of long tenure with advancement as proficiency increases. \$3/hr.

79. Offset Press Operator - Experience offset - duplicator. \$3.57/hr.

Departmental Secretary V (3 vacancies)
Senior Clerk IV (5 vacancies)
Clerk - Stenographer (3 vacancies)
Clerk - Typist II (2 vacancies)

\$6,467 - 7,389

\$5,735 - 6,926

\$5,511 - 6,562

\$5,440 - 6,422

MICHIGAN STATE UNIVERSITY IS
AN EQUAL OPPORTUNITY EMPLOYER

N-B earlier next week

The News-Bulletin will publish on Wednesday, Nov. 22, rather than Thursday, Nov. 23 because of the Thanksgiving holiday. Information for the Calendar of Events and Bulletins, and letters to the editor must be submitted by noon, Monday, Nov. 20.

Longevity checks due Dec. 1.

Longevity checks for full - time MSU employees with more than six years of consecutive service as of Oct. 1 will be distributed on Friday, Dec. 1.

Federal tax will be withheld at the rate of 20 percent, and state and social security taxes will also be withheld. The checks will be deposited directly for those employees who have authorized direct bank deposit of their salaries.

Alumnus honored

The College of Communication Arts Alumni Association has honored a journalist and an audiologist with its first outstanding alumni awards.

Recipients were Judy Nicol, a medical writer for the Chicago Sun-Times and Dr. Edward J. Hardick, associate professor at Wayne State University.

Miss Nicol received a bachelor of arts degree in journalism in 1966, and Dr. Hardick received a doctorate in audiology in 1964.

Chest drive over

The Michigan State University Community Chest drive concluded Wednesday, following solicitations since mid - October for funds in support of 45 agencies in the community.

Final all - campus figures on contributions and pledges will be made available when all the reports have been turned in, according to campus campaign chairman John C. Howell.

BULLETINS

DEADLINE CHANGE Because of Thanksgiving vacation, next week's News-Bulletin will be distributed on Wednesday, Nov. 22. Information for the Calendar of Events for that issue must be to Patricia Grauer, 109 Agriculture Hall, 3-8819, by noon Monday, Nov. 20.

SKATING CLASS A new series of group class instructions in ice skating will be held for toddlers, school children and adults beginning the week of Nov. 27. Pre-enrollment is required. For information and application forms call the Ice Arena Office, 5-2380.

MEN'S IM HOURS The Men's IM Bldg. will be closed Thanksgiving Day, Thursday, Nov. 23. It will be open from 11 a.m. to 2 p.m. Friday and Saturday, Nov. 24 and 25, and from 1 to 6 p.m. Sunday, Nov. 26. Pool hours Friday and Saturday will be noon to 2 p.m.

VISITING SCHOLAR Joseph J. Schwab, William Rainey Harper Professor of Natural Science and professor of education at the University of Chicago, will speak on "Theory, Fractice and B.F. Skinner" at 2 p.m., Thursday, Nov. 16 in the Con-Con Room, International Center. He is a visiting scholar in educational psychology.

EXHIBITIONS

Hidden Lake Gardens, Tipton, Michigan
On display in the Arboretum are more than 1000 tree and shrub taxa representing more than 90 genera. Open daily 8 a.m. until sundown.

CONFERENCES

- Nov. 17 Institutional Laundry
- Nov. 17-18 Sixth Theoretical Chemical Conf.
- Nov. 18 American Association of C.P.A.'s
- Nov. 19-21 Citizen-Police Institute II

WOMEN'S IM POOL The Women's IM Bldg. will close at 5 p.m. Wednesday, Nov. 22 and will remain closed all day Thursday for Thanksgiving. On Friday, Saturday, and Sunday, Nov. 24-26, the pool only will be open from 11:30 a.m. to 1:30 p.m.

TURKEY SALE The MSU Poultry Science Club is selling premium quality holiday turkeys at 53 cents per pound for 6-18 lb. birds and for 49 cents per pound for 18-15 lb. birds. Call 5-8423 to place orders from 8 a.m. to noon and 1 to 5 p.m., Monday through Friday.

OBSERVATORY The MSU Observatory will be open to the public from 8 to 10 p.m. Saturday, Nov. 18. Weather permitting, the 24-inch reflecting telescope will be used for observing current celestial objects. Children under 13 should be accompanied by at least one adult for each three children.

ACADEMIC APPAREL Faculty members and advanced degree candidates who wish to rent academic apparel for fall term graduation Dec. 2, should inquire at the Union desk or call 5-3498. The deadline for reservation orders is Wednesday, Nov. 22. Hoods from other universities must be specially ordered and require an early reservation.

Library
Throughout November will be displayed "An Almanack for Book-Lovers," marking birth anniversaries of literary figures

All conferences will be held in Kellogg Center unless otherwise noted.

Students and faculty members are welcome to attend these continuing education programs. Those who are interested should make arrangements in advance with the Office of University Conferences, 5-4590.

SEMINARS

THURSDAY, NOVEMBER 16, 1972

- Indolylic plant auxins. **Robert Bandurski**, 4 p.m., 101 Biochemistry (Biochemistry).
- Status and future management of Great Lakes commercial fisheries. **John Scott**, Fisheries Division, Mich. Dept. of Natural Resources, 1:30 p.m., 223 Natural Resources (Fisheries and Wildlife).
- Microbial food poisoning. **Lawrence Harmon**, 12:30 p.m., 206 Food Science (Food Science and Human Nutrition).
- Galois theory. **D. Zelinski**, Northwestern U., 4:10 p.m., 304A Wells (Mathematics).
- The physics of brass musical instruments. **B.R. Gossick**, U. of Kentucky, 4:10 p.m., 120 Physics-Astronomy (Physics).
- The role of cell surface lipids in adhesion. **A. S. G. Curtis**, Dept. of Cell Biology, U. of Glasgow, 8 p.m., 204 Natural Science (Zoology).

FRIDAY, NOVEMBER 17, 1972

- The basis for tissue and host specificity of pathogenic microbes. **H. Smith**, Dept. of Microbiology, U. of Birmingham, England, 4:10 p.m., 146 Giltner (Microbiology and Public Health).
- Genetic variation and the study of vertebrate population evolution. **Charles O. McKinney**, Dept. of Biology, U. of Dayton, 3 p.m., 204 Natural Science (Zoology).

MONDAY, NOVEMBER 20, 1972

- Electrical events during the "avoiding reaction" in *Stentor polymorphus*. **Victor Chen**, 4 p.m., 136 Chemistry (Biophysics).
- Institutional racism symposium: Economics. **Mitchell Stengel** and **Daniel Saks**, 9 a.m., 2W Owen (Center for Urban Affairs).
- To be announced. **D.H. Youngblood**, Texas A&M, 4:10 p.m., Seminar Room, Cyclotron Lab (Cyclotron).

- Experiences with land disposal of municipal sewage effluent by sprinkler irrigation techniques. **Thomas P. Smith**, city engineer, Tallahassee, Florida, 4 p.m., 221 Natural Resources (Institute of Water Research).
- Pacifism for pragmatists. **Martin Benjamin** and **Robert V. Edington** the commentator, 3:30 p.m., 334A, 334B Case (Philosophy and Madison College).
- Highlights of the 1972 meeting of the Optical Society of America. **S.C. Hurlock**, 4:30 p.m., 221 Physics-Astronomy (Physics).
- Musical scales as cognitive structures. **W. J. Dowling**, 4 p.m., 126 Psychology Research (Psychology).
- South African tribal dress. **Anna M. Creekmore**, 3 p.m., 207 Human Ecology.

TUESDAY, NOVEMBER 21, 1972

- The process design engineer's role in controlling particulate emissions. **Richard L. Holloway**, 4 p.m., 284 Engineering (Chemical Engineering).
- Federal funding in the plant sciences. **Robert S. Bandurski**, 4 p.m., 209 Horticulture (Horticulture).
- Some comments on areas of process metallurgy. **D.D. McGrady**, 4:10 p.m., 312 Engineering (Metallurgy, Mechanics and Materials Science).
- On the domain of attraction of stable laws. **V. Mandrekar**, 4:10 p.m., 405A Wells (Statistics and Probability).

WEDNESDAY, NOVEMBER 22, 1972

- Busing and integration—con. **Larry Lezotte**, 1:30 p.m., 2W Owen (Center for Urban Affairs).
- Is there a role for c-AMP in higher plants? **Robert Keates**, 4:10 p.m., 101 Biochemistry (Plant Research Laboratory).

FRIDAY, NOVEMBER 17, 1972

- 9:30 a.m. Board of Trustees.
- 8 p.m. A.R.C. 72—The live rock sounds of Jake Jones blend with dreamlike projections in the sky theatre to provide a unique experience for each individual attending. Tickets are on sale at the Union Ticket Office and the planetarium boxoffice. Abrams Planetarium.
- 8:15 p.m. "Flea in Her Ear"—The MSU Performing Arts Company presents this French farce. Tickets may be obtained by contacting the Dept. of Theatre, 149 Auditorium, 5-0148. Fairchild Theatre.
- 8:15 p.m. Faculty recital—John A. Wiles, bass-baritone. There is no charge for admission. Music Auditorium.
- 10 p.m. A.R.C. 72 (see above). Abrams Planetarium.

SATURDAY, NOVEMBER 18, 1972

- 1:30 p.m. Concert—A composition lost in the mail for 11 years will receive its premiere in a performance by the MSU Wind Ensemble. Vaclav Nelhybel's "Opus Concertante," mailed to Italy in 1961, was returned to the composer a few months ago unopened. The concert is part of a day-long session for Michigan high school band directors and is open to the public without charge. Fairchild Theatre.
- 8 p.m. A.R.C. 72 (see Nov. 17). Abrams Planetarium.
- 8:15 p.m. "Flea in Her Ear" (see Nov. 17). Fairchild Theatre.
- 10 p.m. A.R.C. 72 (see Nov. 17). Abrams Planetarium.

SUNDAY, NOVEMBER 19, 1972

- 2 p.m. Graduate recital—Alice Dearden, flutist. Admission is free. Music Auditorium.
- 8 p.m. A.R.C. 72 (see Nov. 17). Abrams Planetarium.
- 8:15 p.m. "Flea in Her Ear" (see Nov. 17). Fairchild Theatre.
- 8:15 p.m. Graduate recital—Paul Harris, bassoonist. There is no charge for admission. Music Auditorium.

MONDAY, NOVEMBER 20, 1972

- 8:15 p.m. Concert—The third concert in the MSU Orchestras' First International Festival will be presented by the Symphony Orchestra under the baton of visiting Bulgarian conductor Kamen Goleminov. Featured on the program is a work commissioned for the festival, "The Pleasant Truth" by Paul Harder of the music faculty. Fairchild Theatre.

TUESDAY, NOVEMBER 21, 1972

- 12 p.m. University Club luncheon—Burt Smith, recently appointed director of intercollegiate athletics, will discuss some of the activities, problems, opportunities and complexities of his new job.
- 8 p.m. Folkdancing—Instruction will be followed by dancing at 9 p.m. 327 M.A.C.
- 8:15 p.m. Graduate recital—Hyo Kim, pianist. There is no charge for admission. Music Auditorium.
- 8:15 p.m. Lively Arts Series—Four tons of equipment and a ten-member troupe will be employed for a "Heavy Organ" sound and light spectacular with Virgil Fox, organ virtuoso, and the Revelation light show. Amplified through 144 speakers, the program is all Bach. Tickets may be purchased at the Union ticket office. Auditorium.

THURSDAY, NOVEMBER 23, 1972

Thanksgiving vacation.

FRIDAY, NOVEMBER 24, 1972

Thanksgiving vacation.

SATURDAY, NOVEMBER 25, 1972

- 1 p.m. Football—MSU vs. Northwestern. Spartan Stadium.

BULLETINS

COURSE DESCRIPTION The description of Courses section of the 1973 university catalog is now available. Departmental representatives may pick up copies in 64 Administration Bldg.

TERRARIA The Floriculture Forum will be selling Christmas terraria beginning Monday, Nov. 27 for \$5 and up. Orders may be placed in 109 Horticulture or by calling 5-0438 or 5-6340 after 5 p.m.

LECTURE Harold Rogers of Rome, Italy, will speak on "Become What You Are" at 12:30 p.m. Monday, Nov. 20 in Union Parlors A and B. His lecture is sponsored by the Christian Science College Organization.

PETER THE FIRST The Russian and East European Studies Program will present Part I of the Soviet film "Peter the First" at 7:30 p.m. Tuesday, Nov. 21 in 102B Wells. Part II will be shown the following week. Admission is free.

FACULTY FOLK Tickets are now available for the Faculty Folk Christmas and fiftieth anniversary dinner and dance to be held at the University Club Saturday, Dec. 2. The evening's activities will include a social hour, dinner, bridge, and dancing to the music of Peter VanderWaals. Tickets may be purchased for dinner and dance or for dancing only. Chairmen for the event are Mrs. Andrew Timmick, Mrs. John Carew and Mrs. Don Christensen.

HOLIDAY SALE The MSU Business Women's Club is taking orders for poinsettias and fruitcakes at 5-9570 or 5-2140 through Nov. 20. Orders must be picked up and paid for on Dec. 8 at 122 Bessey. One-bloom plants in red only are \$1.50 or \$1.75; three-bloom plants in red, white, or pink are \$4. Fruitcakes—dark, light, or half-and-half—are available either sliced (\$5) or whole (\$4.50). Special projects funds are used for secretarial scholarships.

NUT JAR COOKBOOK The Nut Jar Cookbook will be on sale in 109 Horticulture on Nov. 16, 17, and 20 for \$2 each.

STEERING COMM. The Steering Committee will meet at 3 p.m. Monday, Nov. 20 in 443A Administration Bldg. to set the agenda for the Nov. 28 Academic Council meeting.

OPENING EXHIBIT The public is invited to the opening of one-man shows by staff artists Clifton McChesney and Stacy Proffitt in the North Gallery and an exhibition of silk screen prints in the Entrance Gallery from 1 to 4 p.m. Sunday, Nov. 19.

CORPORATION ROLE Kirk Hanson, director of the National Affiliation of Concerned Business Students, will speak on "The Social Role of the Corporation" at 3 p.m. Tuesday, Nov. 21 in the Teak Room of Eppley Center. The organization he represents is aimed at encouraging the formation of groups of concerned business students and faculties on U.S. campuses.

NEWCOMERS A bowlerama will be held on Friday, Nov. 17 for Faculty Folk Newcomers and their spouses. The party, held at 7:15 p.m. at the MSU bowling lanes, will be followed by beer and pizza at the home of Mr. and Mrs. Warren Anderson, 4350 Oakwood Dr., Okemos. For information call Mrs. Jay Goodman or Mrs. Steven Hurlock.

GOLEMINOV Kamen Goleminov, guest conductor for the MSU Orchestras' First International Festival, will lecture on Bulgarian folk music at 9:10 a.m. Tuesday, Nov. 21 in 339 Case. The lecture will be illustrated with musical examples both recorded and on the piano. It will be his last appearance on campus before leaving for Bulgaria, where he is chief conductor of the Radio Orchestra of Sofia.

Information on MSU events may be submitted for possible inclusion in the bulletins to Patricia Grauer, Dept. of Information Services, 109 Agriculture Hall, (517) 353-8819. Deadline for submitting information is noon Tuesday preceding the Thursday publication. The calendar of events will cover a 9-day period, Friday through Saturday.