Degrees go to 1,700

More than 1,700 degrees will be awarded at fall term commencement Saturday (Dec. 7).

A total of 1,013 bachelor's candidates will be cited at the ceremony that begins at 3 p.m. in the Auditorium. Speaker for the event will be Elliot L. Richardson, secretary of health, education and welfare.

At 10 a.m. Saturday, also in the auditorium, exercises will be conducted for 698 candidates for master's, doctor's and educational specialist degrees.

Speaking at the morning commencement will be Dr. Richard L. Sullivan, dean of the College of Arts and Letters.

Richardson, who joined the Nixon Cabinet in 1969 as undersecretary of state before assuming his present post in 1970, will receive an honorary doctor of laws degree. Also receiving honorary doctorates of laws will be Leonard Woodcock, president of the United Auto Workers, and Dr. George A. Garrison, professor and dean emeritus of Yale University's School of Forestry.

Woodcock led the UAW in contract negotiations for 15 years beginning in 1955. He became president of the union in 1970 when Walter Reuther died in a Michigan plane crash.

Garratt is a graduate of MSU and served for 20 years as dean of Yale's forestry school before retiring in 1965. He holds three other MSU awards, including the Distinguished Alumni Award (1951), the Centennial Award (1953), and the College of Agriculture Outstanding Alumni Award (1964).

GEORGE GARRATT

LEONARD WOODCOCK

MSU News-Bulletin

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Michigan State University

NOVEMBER 30, 1972

Ten percent sought

FAFCC, U look back and ahead

Ten percent— that's what the faculty is seeking via the University Faculty Affairs and Faculty Compensation Committee (FAFCC) in salary increases in the 1973-74 budget.

It is also the amount the University administration has included in its budget request to Governor Milliken.

Frederick Williams, FAFCC chairman and professor of history, said that although the recommended 10 percent increase is less than what is needed by the faculty, it reflects a realistic and reasonable hike.

Provost John Cantlon said it is much too early to predict what level salary increase the Governor would recommend for fiscal 1973-74, or what amount the legislature would finally appropriate.

"We have asked for 10 percent, a level we believe is thoroughly justified," he said. "However, the wage and price guidelines and legislative action determine that the decision will be made elsewhere."

Cantlon noted that in the past the administration had been able to provide salary increases in excess of the resources allocated by the legislature, "but our ability to do that is diminishing as a result of continued belt-tightening in all operational areas."

The FAFCC is currently studying compensation and fringe benefits for faculty. "We are interested in establishing a compensation system for faculty that doesn't just satisfy demands this year or next, but a defensible system that looks ahead to five years from now," Williams said.

"We could work each year on these goals with the money available," he said. "And establishing this system could have already begun if the administration hadn't ignored our recommendations last spring."

The FAFCC's recommendations for the 1972-73 budget included a system of distributing a proposed 7 percent increase to cover merit, "maintenance of competitive positions," and eliminations of salary inequities.

Additionally, the recommendations provided equity adjustments for female faculty and the establishing of base salaries for each academic rank (10-month equivalents) over a five-year period, Williams said the base salary system was one of the more important of the recommendations.

He added that the only FAFCC recommendation adopted by the University from the 1972-73 study was upgrading female faculty.

Cantlon said the administration had not "ignored" the FAFCC recommendations. He said the extent of the administration efforts to follow the recommendations have not been fully understood by most faculty.

"The FAFCC recommended a 7 percent increase. Funds, however, were available for only a 4 percent increase," he said.

"The FAFCC recommended equity adjustments totaling $100,000 for female faculty and $30,000 for 12-month professors. Approximately $125,000 was used for these two purposes," according to Cantlon.

Last year the FAFCC had recommended $80,000 for the establishment of base salaries of $8,000 for instructors, $11,000 for assistant professors, $14,000 for associate professors.

Proposal passed

The Elected Faculty Council and the Academic Council Tuesday approved an amendment to the interim grievance procedure which sets the composition of the Appeals Panel.

The amendment modifies Section 3.8.7.4. and states that "three faculty members shall be selected by the Faculty Tenure Committee from its membership following the selection of two faculty members selected at random from the University Appeals Board so that the remaining Appeals Panel shall consist of three tenured and two non-tenured faculty members."

Search begins for dean

An eight member search committee began the process of selecting nominees for the deanship of Lyman Briggs College earlier this week.

The committee, made up of four faculty members of the college, two students, one faculty member from outside the college and a representative from the Provost's Office, is seeking a replacement for Dean F. B. Dutton who plans to relinquish the deanship June 30.

The student members were elected by the Lyman Briggs student body in a balloting supervised by the college's Student Advisory Committee. The four Lyman Briggs faculty members were nominated by the College Advisory Committee and elected by the faculty as a whole. The other two committee members were named by the provost.

Steven Spees, associate professor in the science-oriented undergraduate college and chairman of the search committee, said letters were sent Wednesday soliciting possible nominees.

He said he expects the committee to select a slate of three to five nominees by the middle of winter term which will be sent to Provost John Cantlon. Cantlon will select one of the candidates and send his name to the Board of Trustees for approval.

Today's paper is the Final News-Bulletin of fall term. The first winter term issue will appear on Jan. 4. Deadline for submission of materials for inclusion in the Calendar of Events section will be noon, Tuesday, Jan. 2.
**Science notes**

**BANG!—then there's a universe**

"In the beginning there was darkness upon the deep. There was light, and out of that light came everything we now observe."

Dr. Allan Sandage — noted astronomer from Mt. Wilson and Mount Palomar Observatories — spoke to the Biblical quote above to end his Henry Norris Russell Lecture at MSU last August. His comments here at the 138th meeting of the American Astronomical Society were the basis for a November article in Science, the prestigious American journal of science.

Author of the article, Dr. William D. Metz of the Science staff, said after the lecture that he had heard similar references to the creation of the universe from other astronomers.

They talk of an initial unleashing of tremendous energy in an expanding universe.

While astronomers reared in the oriental cultures express very little interest in cosmology," said Metz, "scientists educated within the western Judeo-Christian tradition continue to be fascinated with questions about the origin of the world."

**Follow-up follows first appeal**

A follow-up to the All-University Development Fund Campaign will begin next week with mail solicitations directed to faculty, staff, and students. In a letter, John D. Shingleton, Placement Bureau director and chairman of the campaign committee, says, "The first phase of the annual appeal began in May, with approximately 400 donors on campus providing $25,500. Shingleton said the follow-up appeal to those who have not contributed is stressing three points: tax advantages which greatly reduce the cost of giving, the ability of the donor to designate his gift to the college of his choice, and the importance of faculty and staff gifts in generating donations from other sources such as alumni, corporations and foundations."

"It is important to the overall Development Fund program to be able to show potential donors that faculty and staff are willing to support their own university," Shingleton emphasized.

Tax advantages to year-end giving include a 50 per cent Michigan income tax credit up to a maximum of $100, and federal income tax deductions. For a donor with a joint taxable income of $13,000, for example, a $100 gift would actually cost about $40 and a $25 gift would cost only about $9.

Shingleton also noted that the use of payroll deduction is available to spread the cost of giving over the year.

**Suburb is book's subject**

The residents of white, affluent Grosse Pointe talk about blacks. The few blacks who have permanently moved in Grosse Pointe Farms, Grosse Pointe Shores, Women, Grosse Pointe City, Grosse Pointe Park and Grosse Pointe Shores. She discovered that the people of Grosse Pointe aree still it's a sheltered community. The first black family moved out after several months and few others have permanently moved in. Mrs. Cosseboom comments, "We believe litter is a serious people problem." One of the first blacks to enter Grosse Pointe University, East Lansing city councilman and state officials. At a Monday morning kickoff, officials including Robert Perrin, vice president of University relations; Dean Lynn Jondahl, state representative - elect from the 59th District; George Colburn, East Lansing city councilman and Mark Rosenhaft, director of the MSU Waste Control Authority, all proclaimed the need for everyone's help to maintain environmental hygiene.

"We believe litter is a serious people problem," said Rosenhaft. "Whether it is Joe College discarding a beer can, or Sally High School throwing away a lunch sack, or Fred Faculty garbageing a cigarette butt, or Football Fan dumping his ticket stub, program, or popcorn box. Everyone is responsible - someone has to pick it up after them.

"Our theme is simple - bend over, pick up litter and dispose of it in a trash can. Believe me, if every student, faculty and staff member, alumni, and parent of MSU picked up one piece of litter per day we would not have a problem."

"In a written statement, President Cllifford R. Wharton, Jr. appealed to University people to join with state and community litter prevention campaigns, and to pitch in."

"The campus of Michigan State University is renowned as one of the nation's most beautiful. Yet, it cannot live up to this deserved reputation or remain a pleasant place to study, to work and to live if we permit ourselves to be inundated by litter," he said.

"I urge everyone in the University community to support the work of the MSU Waste Control Authority, the 'Keep Michigan Beautiful' campaign and the efforts of the City of East Lansing to improve our physical environment." Pitch - in materials, which include plastic litter bags, stickies for cars and trash containers, and plastic litter containers for cars, can be picked up in the Waste Control Authority office, 212 E. Holden Hall on campus.

One highlight of Pitch - in Week is a street clean-up contest which will be judged over the weekend. Art work made from trash should be submitted by Friday, said Sue Cartier, project coordinator for the Waste Control Authority.

Art work for the contest: "Must be made of discarded or reclaimed waste material such as paper, plastic, glass, rubber, etc. - Cannot contain perishable material."

"Cannot be more than six feet wide or five feet high.
University standards are unchanged

Although a new agreement assures future community college graduates an easier time in transferring to the state’s four-year colleges and universities, MSU still retains responsibility for determining the admisibility of any student or credits taken by that student.

In a voluntary agreement led by the Michigan Association of College Registrars and Admissions Officers (MACRAO), 18 four-year institutions, including MSU, pledged to accept the general education requirements of 16 community colleges as equal to their standards.

Provost John Cantion stressed this agreement does not change MSU’s current practices concerning transfer of general education credits taken at other institutions.

The MACRAO document requires nine credits in English composition and 12 credits each of humanities, social science and natural science. “The transferability of courses approved to meet these credit blocks will be determined by MSU according to current procedures,” Cantion said.

If a student is admissible to MSU, and the appropriate number of credits in approved courses have been earned, then the student would be considered to have met MSU’s general education requirements. “The MACRAO proposal is therefore consistent with existing MSU policy,” he said.

The proposal was reviewed and approved by the University College, the Admission Office, the Educational Policies Committee, the Provost’s Office and the President’s Office.

Ecosystems research cooperation needed

Engineers, biologists and social scientists must achieve a working relationship if solutions are to be found to the problems of technological planning and regional economic development.

The need for a coordinated assault on the problems involved in control by society of the short-term and long-term dynamics of the physical world, as an ecological life-support system, are underlined in an article in the November issue of “Wavelengths,” a publication of the Institute of Electrical and Electronic Engineers, Inc.

Author of the article is Herman E. Koening, professor and chairman of electrical engineering and systems science, and one of three codirectors of the MSU Ecosystem Design and Management Program now in its third year on campus, with major funding by the National Science Foundation.

The life support system, Koening said, is a set of interconnected transformations of the types of energy and materials, such as the atmosphere and fossil fuel supplies that exist, their spatial transportation and their physical and biological storage.

The economic system is a computing mechanism for selecting alternatives and allocating resources through the regulatory processes of taxes, subsidies and other pricing mechanisms.

He identified the social problems at issue as the stresses on society implicit in the excessive concentration of people, specialization, accumulated control of production capacity, job specialization, and centralized decision-making.

“The social stresses are poorly understood from a scientific point of view, but they are increasingly evident in the day-to-day events of modern life,” he said.

“It is the responsibility of the engineering and scientific community to identify the answer, where possible, the purely scientific system—theory questions raised.

“Engineers and scientists also have responsibility, in those situations intrinsically involving collective societal judgments, to provide a sound characterization of those alternatives or options open to society, so that an informed judgment may be made in terms of ecosystem management.”

Koening defined ecosystem as the whole relationship of man with his natural environment.

MSU and school districts combine efforts

MSU and 10 school districts will begin a unique cooperative effort next term to help solve the problems of “middle city” schools in Michigan.

The MSU Board of Trustees recently approved the appointment of Dr. C. Robert Muth as professor and assistant to the dean of education for special programs. At the same time, the Michigan Middle Cities Education Association appointed him its executive director. He will work half-time for MSU and half-time at the University for the association.

Under the cooperative agreement, the middle cities school districts will be available to the University as laboratories for research and development of programs.

According to Dr. Muth, he formed the association six years ago to gain the Michigan Legislature’s awareness of the educational problems which core cities other than Detroit are facing. The school districts in these cities serve a substantial percentage of the children of low-income families, particularly blacks, he says.

Two months ago the association became a nonprofit corporation. Its members are the school districts of Ann Arbor, Battle Creek, Bay City, Benton Harbor, Grand Rapids, Jackson, Kalamazoo, Lansing, Muskegon and Saginaw.

Six other districts have been invited to join: Flint, Inkster, Muskegon Heights, Oak Park, Pontiac and Ypsilanti.

“With there is an increasing need for more cooperative effort,” Dr. Muth says. “We’re running on the same track pretty much together we probably would garner one of the most effective research staffs.”

Dr. Muth foresees the association’s work continuing in such areas as developing accountability models for each school district which are required by the state.

Dr. T. Clinton Cobb, assistant to the dean of education at MSU, says, “The association is important to the College of Education because it is concerned about bringing about an integration of research and continuing education with respect to these school districts.”

Dr. Muth says he believes the affiliation between MSU and the Michigan Middle Cities Education Association is the only one of its kind in the country.

Dr. Muth, 52, is currently deputy school superintendent in Grand Rapids. He joined the school system in 1955 as assistant superintendent for business affairs. He begins his new duties at MSU after Jan. 1.

Christmas concert to be presented

It wouldn’t be Christmas at MSU without the traditional Christmas concert by the University Chorus and Orchestra conducted by Grover Jones.

For the past 23 Christmas seasons, Jones has presented a major choral work appropriate for the season and has led the audience and chorus in the singing of traditional carols.

Sunday (Dec. 2) at 4 p.m. in the University Auditorium, Jones will again lead the nearly 400-member chorus and orchestra in the “Gloria in Exsultabint’ from Bach’s “B Minor Mass.” This “work within a work” contains four choral and four solo movements. Each solo movement features an instrumental as well as vocal soloists.

The MSU undergraduate and graduate music students who will be heard include soprano Deborah Busines, mezzo soprano Cora Emann, contralto Linda Griswold, tenor Carl Saloga and bass Edwin Chailacomb.

The instrumental soloists will be Michael Giacobassi, violin; Leslie Frink, flute; Greg Steiniob, oboe d’amore, and Barbara Mette, French horn. Harpsichord soloist will be David Ronner, assistant professor of music.

The oboe d’amore which Steiniob will play is a very special instrument, since it was used extensively for only 75 years during the 18th century. It is pitched between the normal oboe and the modern English horn.

In addition to the “Gloria,” the Chorus will also present four traditional French carols.

Over the years, Jones has left his imprint on the concerts. He chats informally with his audience, commenting not only about the carols but about how commercial Christmas has become.

“I take Christmas as a Christian feast and I endeavor to conduct concerts so people will feel that,” he says.

He adds that the season should not be the “merchants jamboree” that it has become. But, he says, that is “just a reflection of our materialistic age.”

Past concerts have featured works composed by Jones such as “The Divine Mystery,” a Christmas Cantata and its arrangements of Welsh carols.

A native of Cardiff, Wales, he holds the doctor of music degree from the University of Wales.

Sunday’s concert is open to the public without charge.

More than 500 seniors and graduate students who will receive degrees at Saturday’s Commencement attended the Senior Reception at Cowles House Tuesday evening. The traditional reception was discontinued in 1970 because of a lack of student interest, but was resumed this fall. Receiving congratulations from President Wharton are graduating seniors David Messing and Patricia Letovsky while Mrs. Richard Sullivan, wife of the Dean of the College of Arts and Letters, looks on.

—Photo by Bill Mitcham
1972-73 reviewed, '73-'74 forecasted

(concluded from page 1) professors and $17,000 for full professors. Cantlon said "this recommendation was endorsed by the administration, but was not approved by the Board of Trustees. These figures are, however, being used as a guide for new appointments and for selective allocations at the college level.

The FAFCC recommended a $50,000 cost-saving increase for any faculty member at the $30,000 or more level. Although the administration set the minimum increase at $300, Cantlon said this was because of the fact that 20 percent of the amount available for merit increases be used by the Provost to fund new appointments and for selective allocations at the college level.

Cantlon said he accepted this recommendation in principle but was unable to implement it in 1972. "Comparative data from the Big Ten institutions will provide a basis for developing selective allocations in 1973. If a standard pattern of promotion incorporating institution status has been established, they may be funded centrally in 1973," he said.

In its studies last year, the FAFCC used the Big Ten as a basis for the first time this year, is faculty compensation data from the other Big Ten institutions.

This data is available to the administration and the FAFCC, Williams said, in determining the committee's recommendations for the 1973-74 budget. "By working with the other institutions on a department to department basis, achieving merit increases, the FAFCC last year recommended that an additional 20 percent of the amount available for merit increases be used by the deans for selected allocations at the department level.

NORMAN ABELES and WILLIAM J. MUELLER, professors at the Counseling Center and in Psychology, have been elected to Fellow status in the American Psychological Association and in Division 17, Counseling Psychology. Ables has also been appointed to the Midwest Regional Board of the American Board of Professional Psychology and served as a delegate to the American Association of State Colleges and Universities at its recent meeting in Honolulu. Mueller has been elected to a three-year term as a Trustee of the American Psychological Association, Psych, Inc.

Coordinator-directors, JOHN BAKER (Graduate), LOUIE WEBB (Isabella), JAMES CROSBY (Montcalm), and Montcalm-Isabella faculty agent JEAN KINZEL have been singled out for special praise at the recent MSU Cooperative Extension Service's Annual Conference held on campus. These men were responsible for holding a number of educational meetings in the area and spurring the fund raising efforts which brought in $50,000 to support a weather modification project.

GRAYDON L. BLANK, professor of minning and petroleum, and ROBERT DONER, professor of agricultural economics, and RICHARD G. PFEIFER, professor of agricultural economics, have each received the "Outstanding Specialist Award" from the MSU Extension Specialist System.

LYMAN BODMAN, professor of violin and viola in the Music Department, has been elected and directed a string festival at slippery Rock College, in Pennsylvania.

HANS J. FISCHER, assistant professor of music, performed a composition entitled "About the 35th International Festival of Contemporary Music held in Venice recently. This is a computer reduction of Musical Form and Analysis," Allyn and Bacon, 1972. IRMA JOHNSON, RUTH BEALE and JANICE KUKAR, extension home economists, were honored for outstanding work in family living and homemaking this year. (Very Advanced ABS's will be considered.)

HELEN B. MEADE, home economist, has won the Distinguished Service Award from the National Association of Extension Home Economists at their recent meeting in Denver, Colo.

OSCAR TOSI, professor of audiology and speech sciences, has been selected as a member of the American Society for Experimental Phonology. He is one of only a few U.S. specialists so honored.

ROBERT C. VICTOR, astronaut in Abrams Planetarium, has won the 1972 award for distinguished achievement from the Educational Press Association of America. He won the award for his "Sky Calendar" series appearing in the journal, Science and Children.

JOHN E. NELLOR, associate professor of mechanical engineering, was selected as part of a 10-man United States Advisory Council for the establishment of a new university in the city of Titograd, Yugoslavia.

M. L. POTTER, professor of cells and chamber music, was Master Cellist for the International String Conference of the Music Teachers Association at West Chester, Pa., recently.

ANGUS W. REED, professor of music, has been commissioned to write a composition for band for the McKeipsport (Pennsylvania) Area High School Band. The composition will be premiered in the Spring of 1973.

L. LAM, professor of audiology and speech sciences, recently was elected an associate fellow of the American Academy of Ophthalmology and Otolaryngology.

HERBERT C. RUDMAN, professor of administration and higher education, has been named outstanding educator of the year by the Michigan Association of Elementary School Principals.

The association, which elects approximately 2,400 members each year in Traverse City, Mich., annually selects one of its members as "Engineer of the Year." This year's Michigan section of the American Society of Agricultural Engineers at its annual meeting.

DOZIER W. TAYLOR, professor of pharmacy, has been elected chairman of the Accreditation-Committee of the American Psychological Association for 1973.

OSCAR TOSI, professor of audiology and speech sciences, has been recently appointed as a member of the International Collegium of Experimental Phonology. This prestigious Collegium elects only three members per country. Tosu was unanimously elected at the Collegium's meeting in Lausanne, Switzerland.

DONALD A. YATES, professor of Spanish at Coe College, participated in a recent symposium dealing with the Argentine gaucheo epic, "Martín Fierro," in Washington, D.C. Yates also attended the Midwest Modern Language Association meeting in St. Louis where he was elected chairman of the Latin American Studies Committee for the 1973 conference in Chicago. Current president of the International Institute of Latin American Studies, Yates was the chair of the Association's meeting.

If a professor is not worthy of a salary increase, he is not worthy of an increase in rank," Williams said.

MSU Positions Available

general hospital experience desirable. Active in the medical society of which the ability to work flexible shift, $6,182-$7,183.

CLERICAL-TECHNICAL.

BS, Senior Departmental Secretary (6 vacancies) • 60 months to one year of work experience; $3,675

Departmental Secretary (4 vacancies).

Senior Clerk (5 vacancies).

Clerk - Typist (46 vacancies).

$6,511-$6,582.

U.S. Government, 

WASHINGTON, D.C.

VICTOR,

MICHIGAN STATE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER
Those who receive the most must also account for the most. While accountability is becoming an increasingly important theme at all levels of education, the emphasis seems to be strongest in the health sciences, one of the few areas of higher education to receive expansion funding in recent years. The message came through clearly at the recent 83rd annual meeting of the Association of American Medical Colleges.

Speaker after speaker — including Sen. Edward M. Kennedy and Rep. Paul Rogers — as well as Clark Kerr and medical school leaders — said the public is insisting that its dollars be spent for what it wants and not necessarily for what educators want to keep on doing. They left little doubt that federal and state governments will be developing more "carrots" — and possibly some "sticks" — programs to direct medical schools toward increasingly specific kinds of goals calculated to be in the public’s best interests.

Michigan and Michigan State University were mentioned by at least two speakers and in numerous informal discussions. Most comments stemmed from a recent series of four articles in Science magazine describing the influence of the Michigan Legislature on the growth of the College of Human Medicine and the College of Osteopathic Medicine.

In general, the comments were favorable. Many participants noted that the events described in the Science series are about to be experienced by universities in other states, thus putting MSU in a pioneer position.

The comments were favorable. Many participants noted that the events described in the Science series are about to be experienced by universities in other states, thus putting MSU in a pioneer position.

"Now is a new period," he added, "one which promises to be just as revolutionary as the last and out of which a new health system will emerge."

In this new period, according to Clark Kerr, chairman of the Carnegie Commission on Higher Education, the health sciences are "the most important single part of all higher education in the United States."

"No longer," he explained, "is the medical school a place set apart, tied more to its profession than to its university, with the president seldom needing to see the medical dean and devoted over to that small individual."

The former University of California president included the following reasons for his thesis:

Health sciences must account for most

"A larger proportion of the national income is going for education and health. "Health care is the only area with a deficit in inflationary area.

*The health sciences drew together more strands of scientific endeavor than any other segment of higher education.

*Health science services are easily the most — even all — of the people and can be higher education’s best ambassador to the public.

Kerr’s thoughts about the status of health sciences education within higher education seemed to be the topic of great interest to other speakers.

"With any research universities for which I am responsible," said Senator Kennedy called for continued federal support of biomedical research and "a continuing, stable level of financial support" for academic health centers so that they can devote the full energies to training physicians and developing needed reforms of medical education.

Senator Kennedy also said that a severe shortage of doctors exists and is exacerbated by overemphasis on specialty training in medical centers as opposed to family practice training in community settings.

He predicted passage of a comprehensive national health insurance program and said it would be more than a financing mechanism.

"It is a lever with which to reform all aspects of the health care industry, including medical education. And it is a lever which will be used.

Representative Rogers, Senator Kennedy’s rival for Congressional leadership in the area of health sciences, also called attention to shortages of health manpower and the need for continuing change to meet societal demands.

"Discoveries that scientists make in their laboratories," he said, "must be converted more quickly into treatment for the suffering."

...I think the message of the new education is that the Congress is looking more and more to medical schools to make contributions far beyond simply raising the numbers of M.D. graduates.

Among those reacting to the Science series about MSU was Philip B. Lee, who was formerly assistant secretary for health in President Johnson’s administration. Lee later became chancellor of the University of California San Francisco Campus, but recently resigned to become professor of social medicine there. Lee said:

"Federal programs often establish policies and provide incentives that the health professional school finds difficult or impossible to decline.

"Seldom, however, has the Congress or the executive branch of the federal government attempted to exercise internal control over the institution and its operations.

"A different pattern may be emerging at the state level. The most recent experiences in Michigan, where the Legislature has specified the number of student contact hours required of the university faculty and appropriated funds on a line - item basis, is a cause of some concern to grant recipients."

"Several issues of autonomy, independence and governance are raised by these kinds of actions. The Legislature’s interest appears to be in accountability for the use of public funds. It is a standard that does not provide adequate evidence of stewardship, legislatures will develop the measures to be applied.

Similar concern, but from a different viewpoint was expressed by Merlin K. DuVal, present assistant secretary for health and scientific affairs and former dean of the medical school at the University of Arizona.

DuVal said the public has invested large sums of money in medical education and is now beginning to ask questions such as: "Why does it take so long to do education? "Why does it cost so much for research?"

"Must medical schools build such big research empires in order to train good doctors?"

"Why do we train so many specialists?"

"What we ask from within government is that you display your leadership — just superb administrative leadership," DuVal said.

"We ask for reasonable consistency between the goals you select for yourselves, and those that are being selected by the society that pays your bills."

"And if change is so important, that you adapt to it appropriately, but without sacrificing the institutional integrity and stability that are the hallmarks of a free and productive society."

—CHARLES DOWNS

Families needed for Yule hosts

Add a bit of joy to your Christmas... and to somebody else’s! University area families who would like to host a student from a foreign land in their home on Christmas Day are being sought by the Host Family Committee of MSU’s 20th annual Adventure in World Understanding.

More than 60 students from lands as distant and as different as Kenya and Thailand who attend universities all across America will come to Michigan State University Dec. 22 to participate in the 10-day “Adventure,” the future leaders of developing nations will live and study together in Kellogg Center. They will tour American industry and institutions and discuss together how what they are taught can be adapted to their nations.

The families will be provided with all the necessary information and materials needed for the adventure. They will call upon MSU students to host the student and assist them in their adventures during the 10-day period.

Families are sought who are willing to share their homes and Christmas with a visiting youth from a foreign land. Each family will be matched with a student who is recommended by the student’s home university.

The families need work for the students to perform household chores and other necessary tasks. They are asked to provide a family dinner on Christmas Day and perhaps some other holiday meal. The students will be expected to participate in all family activities.

The students are not expected to bring personal gifts, but would like to receive a small token of your families’ friendship as a souvenir of the Christmas adventure.

For more information, call Mrs. Theodore Ryan, telephone 485-2125, or Larry Ewing, Michigan Farm Bureau, telephone 485-8123.
Computer use wears stairs

The marbled stairs at the MSU Computer Center are wearing out at a faster rate than the centuries-old steps of Rome and other cities of antiquity.

Besides the concave lines showing up in the stairs, the steel edgings are worn in places to a width of about a half-inch from the wear and tear of student feet.

Almost 10 percent of the total 41,000 students enrolled on campus this year are in courses requiring some use of the computer.

A headcount conducted by Donald F. Spyke, business manager of the center, showed that professors reported a total of 3,956 students attending computer-use classes.

The count can be extended in up-trips and down-trips about three times a week per student, to about a quarter-million traverses of the stairways for class purposes only in the fall.

The figures exclude the faculty and students who are engaged in such research projects as are aided by computer use, or any visitors, or custodial personnel, or anybody who forgot something and had to go back in and then out again.

Besides receiving training in fundamental computer use, the students' curricular involve chemical reaction engineering, geotechnical engineering, numerical analysis, solving of mathematical problems in civil engineering, highway planning, hydraulics, and geometry problems in elementary surveying.

More classes involve other kinds of engineering courses, which is appropriate since the computer center is administered by the College of Engineering.

Other classes use the computer involve microeconomics, accounting and financing, analysis of research data in human ecology and in social science, a political science examination of voter distribution and party ideology, packaging problems, separate problems in geography and physics, and organization of class programming assignments.

The headcount, of course, isn't accurate because, as the computer processors keep saying, MSU has a lot of computer buffs who spend their nonclass time just because they like computers.

Projects focused

"Outposts of Assistance," a new motion picture that describes the activities of three off-campus projects, is now available for loan to campus groups.

The 30-minute color film focuses on international projects in Turkey, Indonesia (Java) and Korea. It was produced, directed and written by Craig Halverson, public affairs director for WKAR-TV. It was filmed by camera operator Jerry Carr. Both men visited the MSU projects with support from the Ford Foundation, and the Turkish and Java Abrams Foundations.

Persons interested in borrowing the film can contact Miller Perry, Center for International Programs, 355-2551.

Decorative touches added by twosome

Geraldine Laetz (left) and Joy Adcock: University's interior designers.

After visiting the University Club, the Gold Room in the Union, or a lounge in one of the residence halls, did you ever wonder who is responsible for the interior design?

There are two interior designers on campus who handle a variety of requests ranging from decorating a new building to helping redesign a milk cooler in a dorm cafeteria.

Joy Adcock, head interior designer and Geraldine Laetz, assistant interior designer, believe that a different approach must be taken with institutional design than with residential design.

Resources for non-residential furniture, called "contract," are different from those used in the home. Manufacturers of contract furnishings offer a sturdier, heavier construction and emphasize designs that are more compatible with institutional and business settings.

Mrs. Laetz explained that the interior design department works closely with other residence hall operations such as the upholstery and drapery shops, who do all of the upholsttry and drapery fabrication on campus.

With the rash of dormitory building 15 years ago, the residence halls organized an interior design department to specify furnishings for the new buildings. Since then the design department has grown to extend its services to include all University buildings, Mrs. Adcock said.

"We work on all new buildings and renovate older buildings -- sometimes working with the University architect or the engineering and physical plant departments," she continued.

"It is an overwhelming challenge to work on the University's 20 dormitories, redesigning main dining rooms, smaller special dining rooms, managers' and administrative personnel offices, recreation rooms and snack shops. Working with the architects and the House Committee on the new University Club was one of our most interesting assignments," Mrs. Adcock said.

Mrs. Laetz explained that they worked on the new Life Sciences building from beginning to end. They have also worked on many rooms in the Union including the renovation of the grill and the cafeteria.

"Because we are institutional as opposed to residential, our guidelines are set differently," she said. We must choose fabric and furnishings that meet the fire codes, also keeping in mind selections that will offer maximum wearability and easy maintenance.

"We work closely with representatives from all outside companies, keeping up on all the latest designs; our catalogues and samples are constantly changing.

Once a design has been specified and approved, it is sent to purchasing and the purchasing department sends it out for bid, Mrs. Laetz said.

The designers further explained that because of vandalism and destruction, they must look at designing from a different view. A question to be kept in mind is: "How easily can it be destroyed?" Ceiling lights replace table lamps. Less art work is used. Heavy, hard-to-lift furniture replaces lighter models.

Mrs. Adcock concluded with, "It's good that people know where to go for coordination. The interior design office handles requests from major to minor things."

If you're wondering what color to paint your loading dock to match the building, or what table cloth will accentuate your cafeteria, or what carpeting would look best and also help sound-proof a conference room, the office to see are located in 250 Aker's Hall.

-JANICE HAYES

CORNELLCARD. Cornell students may now participate in a charge card program, similar to national bank credit cards, for the purchase of books, athletic tickets, meals and other items. The card, called "Cornellcard," may be used at participating retail units on the Cornell campus.

CHALLENGE TO RESTORE TRUST. Indiana University has accepted the challenge of an alumnus, Nelson P. Poynter, chairman of the board of The St. Petersburg (Fla.) Times and the president of the Congressional Quarterly, to help restore the nation's trust in its institutions, public and private. Through the Poynter Fund, the publisher has awarded $500,000 to I.U. over a five-year period for a pilot project aimed at bridging the credibility gap between the citizenry and the institutions of American democracy. If successful, it is hoped the process can be applied on other campuses and eventually reach down to the grade school level.

HEALTH CARE IMPROVEMENTS. Computers in Purdue University's Schools of Engineering are being used in a new cooperative program of research, development and teaching to improve Indiana Health Care. Nine engineering graduate students and four medical students are the first participants in the program, which links Purdue, the Regenstein Institute for Health Care, and the Indiana University School of Medicine at IUPUI. Using a new time-sharing computer system at Purdue's School of Electrical Engineering and eight computer terminals at Indianapolis, data is sent and received on such medical functions as patient interviews, physician and patient scheduling, and processing patient data from a multiphasic screening clinic.
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SEMINARS

THURSDAY, NOVEMBER 30, 1972

Neoplasms and degenerative lesions in aging gerbils. Stephen Rowe, Unit for Laboratory Animal Medicine, U. of Michigan Medical School, 4 p.m., 104 Gilltner, Center for Laboratory Animal Resources.

MONDAY, DECEMBER 4, 1972

Thermal conductivity of the cat (Felis domesticus) foot pad epidermis: changes effected by controlled hydration of the stratum corneum. Kenneth Robert Holmes, 9 a.m., 216 Gilltner, Physiology.

CONFERENCES

Nov. 30 Michigan Fertilizer Conference
Nov. 30 Income Tax School
Dec. 1 Individually Guided Education
Dec. 1-2 Commission of College Geography Regional Workshop
Dec. 1-15 Michigan Governmental Bookkeeping
Dec. 2 Student Veteran Training Workshop
Dec. 2-3 Michigan Constables Assn. Conference
Dec. 3-4 Natl Educational Radio & Regional Drive-In
Dec. 3-8 Employment of Disabled Veterans Institute
Dec. 3-15 Management & Communications U.I.
Dec. 4 Labor & Manpower
Dec. 4-8 Breathing
Dec. 4-8 Institute for Water Utility Management
Dec. 4-7 Land Disposal of Wastewater
Dec. 6-7 National Apple Diseases Conference
Dec. 7-8 Asphalt Paving Workshop
Dec. 8-9 Horse Judging Roundup

BULLETINS

CREATIVE WRITERS

The Creative Writers of Faculty Folk will meet at the home of Jackie Stalker, 208 Milford, East Lansing, at 1 p.m. Wednesday, Dec. 6. Readers will be Jackie Stalker and Emily Johnson.

LAST BULLETIN

This is the last issue of the MSU News-Bulletin for fall term. Publication will be resumed Thursday, Jan. 4. Information for inclusion in the Jan. 4 Calendar of Events must be received by Patricia Grauer, 109 Agriculture Hall, by noon Tuesday, Jan. 2.

EXTENSION WOMEN

The Extension Women’s Club Christmas reception will be held from 3 to 5 p.m., Monday, Dec. 11, in the Club Room on the third floor of the Union Bldg. Gary Posner, director of Employee Compensation and Benefits will speak on “Update in Benefits.” The usual optional luncheon will be held at noon in Old College Hall in back of the Union Grill.

FLEA MARKET

Wares of 75 campus collectors and craftsmen will be sold on the second floor of the Union from 1 to 4 p.m. Sunday, Dec. 3, at the Union Board’s third annual Christmas flea market. Items such as wooden toys, ceramics, decoupage, pottery, jewelry, enamels, macrame, and prints will be included.

POTTERY SALE

MSU art students and the Greater Lansing Potters Guild will hold their annual Christmas sale Dec. 8-9 in the Union concourse. Caserroles, bird feeders, pitchers, vases, beer mugs and stoneware are among the items offered. The sale will be held from 10 a.m. to 6 p.m. Friday, and from 10 a.m. to 5 p.m. Saturday.

BLACK WOMEN

The MSU Black Women’s Association will hold a formal dinner-dance at the American Legion Post, Valley Court, East Lansing, on Saturday, Dec. 16, dinner will be served at 7:45 p.m., and entertainment will be provided by the Les Routi combo. Proceeds from the $10 donation will go to the Greater Lansing Saturday Free School. For information, contact Mrs. Louise Taylor, 485-5964.

EARLY REGISTRATION

Readmitted students and students who participated in early enrollment for winter term are eligible to complete registration early, including payment of fees. Those students who have a continuing University scholarship and or loan will receive credit when they pay fees at that time. Early registration will be held Monday through Friday, Dec. 4-8, in the Men’s IM Bldg. 8 to 12 noon, and 1 to 6:30 p.m., daily. Students may register at their convenience or may obtain Early Registration Reservation Cards available in Demonstration Hall during the early registration period. There will be a special drop add period during evening registration Tuesday, January 2. Details of early registration and the special drop add period are listed on Page 9 of the 1973 Winter Schedule of Courses and Academic Handbook.

For general information about MSU, please call 353-8700.

WEDNESDAY, DECEMBER 6, 1972

Alternative solutions for urban education—competency based education. L. Endora Pettigrew, 1:30 p.m., 2W Owen, Center for Urban Affairs.

THURSDAY, DECEMBER 7, 1972

Breeding for resistance against apple scab fungi. E. Williams, 4:10 p.m., 108 Plant Biology, Botany and Plant Pathology.

HALL ASSIGNMENT

The Residence Hall Assignment Office, 190W Holmes, will be open from 10 a.m. to 5 p.m. Monday, Jan. 1. Students who do not know their assigned hall or want to make application should be directed to this office or call 5-7460.

INTERIM HOUSING

Between-term housing for foreign students new to the university and students living in residence halls fall term will be available at East Holmes. Students may check in at 9 a.m. on Saturday, Dec. 9, at the East Holmes reception desk. Winter term halls will open at 11 a.m., Monday, Jan. 1.

OBSERVATORY

The MSU Observatory will be open to the public from 8 to 10 p.m. Saturday, Dec. 16. 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.

CHEESE SALE

The MSU Dairy Club is sponsoring its annual Christmas cheese sale in 122 Anthony through Dec. 8. The cheese, packaged in gift boxes, is available in four selections ranging from $3 to $6.50. The cheese will be sold from 8 a.m. to 5 p.m. Mondays through Fridays, and phone and mail orders will be accepted by calling 3-5989 or stopping by 122 Anthony. The supply is limited.

WOMEN’S IM HOURS

During winter term, the Women’s IM Building will be open from 6 to 10 p.m. Mondays through Fridays, noon to 8 p.m. Saturdays, and 1 to 8 p.m. Sundays. Activities on Saturdays and Sundays are co-rec. Pool hours for winter term will be 11:30 a.m. to 12:45 p.m. and 5 to 9:30 p.m. Mondays through Thursdays, 11:30 a.m. to 2:30 p.m. and 5 to 9:30 p.m. Fridays, noon to 7:30 p.m. Saturdays, and 1 to 7:30 p.m. Sundays.

FACULTY SEMINAR

Applications are due for the Winter Faculty Seminar. Seminars will include “Persistence and Change in Political Structures,” Frank A. Pinner, 7:30 to 9:30 p.m. Mondays, starting Jan. 8, and “Changing Conceptions of Mental Disorder,” Al Rabin, 7:30 to 9:30 p.m. Wednesdays, starting Jan. 10. Applicants are requested to use the form distributed with the earlier invitation or to call Mrs. Japinga, 5-7583.

COMPUTER COURSE

The Computer Institute for Social Science Research is offering a no-cost, non-credit course in data processing in social science research during winter term. The course, which begins Thursday, Jan. 4 and requires no formal registration, will be held from 11:30 a.m. to 12:20 p.m. Tuesdays and Thursdays in 313 Computer Center. Questions concerning the course may be directed to the Computer Institute, 3-2040.

WRITING COURSE

An advanced writing course designed specifically for doctoral candidates will be offered winter term by the School for Advanced Graduate Studies. The course, which carries no credit and requires no fee, will be taught by Herman Struck. Beginning Jan. 18, classes will meet each Thursday from 7 to 9 p.m. for six weeks. Interested students may obtain application forms from Mrs. Wickham in 143 Snyder or by calling 3-3853. The deadline for submitting applications is Jan. 12. For information call 3-0758 or 3-3853.
FRIDAY, DECEMBER 1, 1972
7 p.m. Concert—The University Women's Glee Club will present their Christmas concert. There is no charge for admission. Auditorium Memorial Chapel.
7:30 p.m. Swimming—MSU vs. Eastern Michigan. Men's IM pool. 7:30 p.m. Hockey—MSU vs. Michigan Technological University. Ice Arena.
8 p.m. "Christmas Star"—A popular sky presentation offering possible explanations for the phenomenon of the Star of the Magi, this program is of interest to adults and children alike. Tickets are available at the door. Abrams Planetarium.
8:30 p.m. Glee Club Christmas concert (see above). Alumni Memorial Chapel.

SATURDAY, DECEMBER 2, 1972
10 a.m. Advanced degree commencement. Auditorium.
1 p.m. Women's volleyball—MSU vs. Calvin College. 127 Women's IM Building.
2:30 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.
3 p.m. Baccalaureate commencement—Elliott L. Richardson, secretary of health, education and welfare, will be the speaker. Auditorium.
4 p.m. Basketball—MSU vs. Kentucky. Jenison Fieldhouse.
7:30 p.m. Hockey—MSU vs. Michigan Technological University. Ice Arena.
7:30 p.m. Wrestling—MSU vs. Ohio. IM Sports Arena.
8 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.
8:15 p.m. Concert—An entirely student-produced Christmas program will be presented by members of the four professional fraternal organizations for music students. The major work will be Vivaldi's "Gloria" with chorus and orchestra. There is no charge for admission. Music Auditorium.

SUNDAY, DECEMBER 3, 1972
2 p.m. Recital—James Hill, pianist and associate professor of English, will perform works by Debussy, Chopin, Rachmaninoff, and Beethoven.
4 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.
4 p.m. Christmas concert—The "Glory in Excessis" from Bach's "B Minor Mass" and four unaccompanied French carols will be performed by the MSU Chorus and Orchestra under the direction of Gomer Ll. Jones. The performance is open to the public without charge. Auditorium.

TUESDAY, DECEMBER 5, 1972
12 p.m. University Club luncheon—A. Babs Fafunwa, visiting professor in the College of Education and dean of education at the University of Ife, Nigeria, will discuss the state of higher education in Africa.
8 p.m. International folkdancing—Instruction will be followed by dancing at 9 p.m. 327 M.A.C.

FRIDAY, DECEMBER 8, 1972
Fall term ends
7:30 p.m. "Farkleberry Magic"—Intended for children from 4 to 12 years of age, this Children's Theatre production is a fantasy-adventure story about a mythical village protected by the magic farkleberry bush. When Greedy and Grump steal the bush, Dishkeldorf and Prof. Schnoodle go into action. Fairchild Theatre.
8 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.

EXHIBITIONS
Kresge Art Center
North Gallery: Two one-man shows of recent paintings by staff artists Clifton McChesney and Stacy Proffitt.
Entrance Gallery: Silk Screen Prints: An exhibition illustrating the technique and composed of examples from the permanent collection, from James McConnell's classes and from the Grippy Gallery, New York.
Gallery Hours: Monday through Friday, 9 a.m. to 5 p.m.; Tuesday, 7 to 9 p.m.; Saturday and Sunday, 1 to 4 p.m. These exhibits will be shown through Dec. 17.

SATURDAY, DECEMBER 9, 1972
10:30 a.m. "Farkleberry Magic" (see Dec. 8). Fairchild Theatre.
1:30 p.m. "Farkleberry Magic" (see Dec. 8). Fairchild Theatre.
2:30 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.
8 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.

SUNDAY, DECEMBER 10, 1972
1 p.m. "Farkleberry Magic" (see Dec. 8). Fairchild Theatre.
3 p.m. "Farkleberry Magic" (see Dec. 8). Fairchild Theatre.
4 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.

MONDAY, DECEMBER 11, 1972
1:15 p.m. "Farkleberry Magic" (see Dec. 8). Fairchild Theatre.

TUESDAY, DECEMBER 12, 1972
12 p.m. University Club luncheon—N. Lorraine Beebe, former state senator who is now executive director of the Michigan Consumers Council and Governor Milliken's advisor on consumer affairs, will discuss her new job. Club members are encouraged to bring their spouses and make this luncheon a family affair.
8 p.m. International folkdancing (see Dec. 5). 327 M.A.C.

FRIDAY, DECEMBER 15, 1972
8 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.

SATURDAY, DECEMBER 16, 1972
2:30 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.
8 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.

SUNDAY, DECEMBER 17, 1972
4 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.

TUESDAY, DECEMBER 19, 1972
8 p.m. Basketball—MSU vs. Central Michigan University. Jenison Fieldhouse.
8 p.m. International folkdancing (see Dec. 5). 327 M.A.C.

FRIDAY, DECEMBER 22, 1972
8 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.

SATURDAY, DECEMBER 23, 1972
2:30 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.
8 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.

SUNDAY, DECEMBER 24, 1972
4 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.

FRIDAY, JANUARY 5, 1973
7:30 p.m. Hockey—MSU vs. Minnesota. Ice Arena.

SATURDAY, JANUARY 6, 1973
7:30 p.m. Hockey—MSU vs. Minnesota. Ice Arena.
8 p.m. World Travel Series—John Strong will explore "Bright Belgium." Auditorium.