Peters' students wear blue collars

Ruling awaited in C-T election

Agenda set for Board

He said he agreed with the dropping of 31 of the 84 challenges, but that the remaining 53 "were clearly supervisory employees." Schmidt said AFSCME had obtained deposition from 18 of those 53 employees indicating they were supervisory personnel, and charged that Groty found out about this and decided to drop the remaining 95 challenges in order to "inundate" the election with supervisory votes.

The MSU Board of Trustees will hold its public monthly meeting Friday at 10 a.m. in the Board Room of the Administrative Building.

Items on the agenda are expected to include the appointment of a director of women's programs, acceptance of bids for a new ice arena and reorganization of the University's Institute of Biology and Medicine.

The meeting also will include the first formal appearance of two new Board members who were elected in November for eight-year terms. They are Jack Stack of Alma and Aubrey Radcliffe of East Lansing.

Board members met in Kellogg Center Tuesday and Wednesday in their informal annual "retreat" to discuss with University officers and administrators long-range goals and trends in enrollments, finances and academic areas.

No action was taken at these meetings. Board members decided late Tuesday, however, to hold their monthly closed finance committee meeting that evening. President Clifton R. Wharton Jr., said that decisions was made following the discovery that trustee travel plans would result in absence of the finance committee meeting were held at its usual time immediately prior to the Friday public sessions.

University investments, labor relations, contracts and certain personnel matters were discussed in closed session.

The Labor Program Service staff is supported by the Labor Program Service, which is expected to submit its final report to President Clifton R. Wharton Jr. later this term, has, during the last year, focused considerable campus interest on the subject. In the coming weeks, the News-Bulletin will profile four faculty and staff members for whom lifelong education is not a new priority, but rather a continuing commitment.

"I think the major reward of my job is the immediate satisfaction I get in dealing with people who are already involved in community, family and job roles," says Ron Peters.

Unlike most teachers who stand before a class imparting information and insight, Peters seldom has to wait for several years to receive the feedback that tells him whether or not his efforts are bearing fruit.

"The subject matter we deal with often has immediate application," says Peters. "Our students frequently pick up information in one class session, put it into practice during the following week, and report on the application at the next session."

Peters is one of six circuit riders on the staff of the School of Labor and Industrial Relations' Labor Program Service. During the year, while collaborating with the teaching conventional classes on campus, Peters travels throughout the state instructing classes for labor unions.

The courses, all of which are co-sponsored by the Labor Program Service and participating labor unions, are designed to help the unions more effectively participate in their labor organizations and in other community organizations as well.

The courses offered are divided into basic, intermediate and advanced. Employees learn how to conduct background courses such as shop steward training, effective speaking and contract administration. Intermediate courses explore broader areas related to unionism such as labor law, unions and political action, and psychology for workers.

The advanced courses offer a more comprehensive look at such subjects as problems of urban society and the economics of income, employment and collective bargaining. Further, book is not "hopelessly clouded" or "sprinkled" to certify a winner.

The meeting also will include the presentation of the Board of Trustees long-range goals and trends in academic areas.

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University investments, labor relations, contracts and certain personnel matters were discussed in closed session.
Some people believe that the male gamete determines the sex of a baby. Some others believe that the egg has more influence upon what the baby will be, than does the sperm.

Aristotle thought both egg and sperm were important to the development and growth of the embryo.

Determination of what the baby will become “does not lie in the semen coming from all the parent or not,” said Aristotle, “but in the mutual proportion or disproportion of that which comes from the woman and the man.”

In saying this, Aristotle was knocking a theory which 2,000 years later Darwin would defend as “pangenesis.” It turned out that Aristotle was right.

Aristotle also would have crushed the idea of “preformation” – the notion that a little person resided in the sperm or egg — but the idea was not yet in vogue.

Alain F. Corcos of MSU’s Department of Natural Science recently clarified a few of his preformist observations from the history of biology in an article in the publication “The American Biology Teacher.”

Corcos struck down exaggerated claims in some modern-day textbooks that microscopists of the preformists had long reported spotting little men in sperm cells.

To enrich their discussion of preformation, American writers use as evidence the writings of two 17th century scientists, Nicolas Hartsoeker and Dalenpatius (pseudonym) who reported having seen a little man, or homunculi, inside a sperm, said Corcos.

“We are apparently to conclude that these two researchers were victims of their imaginations or of primitive microscopes.”

Although Hartsoeker — one of the pioneers of microscope research of gametes – claimed the sperm “of birds contains a male or female bird,” he never claimed to have actually seen a little person in a human sperm cell, said Corcos.

But the myth of a “little man” has spread through various biology textbooks, said Corcos. Even the early microscopists misunderstood:

“Many preformationists attempted to find under the microscope the shape of an animal (or little man) in each sperm or egg,” said Corcos.

But the sperm researchers were to receive an unusual encouragement when, in 1659, “Dalenpatius” published an article scattered with “accurate microscopic observations along with a purposefully fraudulent drawing.”

Perhaps to the delight of today’s feminists, this was surely an episode of sexist harassment in science.

When considered in the context of the debate over the nature of microscopes, it is evident that the sperm issue is really a “case of the thumb.”

It is interesting to note that the word “thumb” is derived from the Latin word “thumus,” meaning “breast.”

To summarize, it appears at this time that this concern that microscopists of the preformists might have seen a little person in a human sperm cell, is erroneous.

So Aristotle was not right and the little person seems to be missing in action.

Aristotle would have crushed the idea of “preformation.”

[Page 2, Jan. 11, 1973]
Council on career education named

In a move to assure that students have salable skills when they leave school, a Council on Career Education has been appointed by the College of Education. Dean Karl S. Wilcox of MSU's College of Education, called it "a big step forward in career education" in announcing its formation.

Goldhammer has charged the council and two staff members with devising a comprehensive program for the preparation of career education personnel. This will include a program to train teachers to conduct career education; instructional strategy, curricular designs and materials on career education and service to public schools and other educational agencies.

Goldhammer said he believes there is no reason why a child should not have a career goal before he gets to school. "We give them a fairly detailed picture of areas in which they can be successful," he said. "It is a project that helps every youngster discover how he can be a fulfilled, participating member of society.

The dean said schools have failed to recognize that a person's occupation is the major role he plays in society, and that failure to have a career or occupation has been the cause of much of the alienation of youth.

In addition to the council, Goldhammer said an advisory committee of persons from outside the University will be appointed as community representatives. Raymond N. Hatch, professor of education, will chair the council. Other faculty members on the council are Lawrence Borowicz, Stanley F. Wrzoski, Louis Romano, Glen O. Cooper, Vernal D. Serfert, Howard W. Hickey and Russell J. Kacik, all professors in the College of Education.

In addition, the State Department of Education will be represented by Arnold Loomis, who heads its career development program. Peggy Van Zandt, associate professor of education, will work half-time for the council to design the career education program. The council will serve as a policy and review board.

20 years of teaching English

"Every patient, resourceful teacher finds miracles only in his students, never in himself," a professor of English concludes after 20 years of teaching University freshman.

Edward Edelman, professor at The Brooklyn Center of Long Island University, New York, has a "Mr. Chips" pedagogical memoir in the current "University College Quarterly," in which he examines his professorial "loves and pains." Edelman says teaching English is and isn't, in the classroom and during office hours, and considers "grammar and niceties." For the student, he says, the course is attuned to personal internal growth.

He notes that Freshman English is not a beginning of the student either as a person or as a writer, since the student has been writing for an exceedingly large part of his life, and "a major renovation would require another lifetime."

"One day, probably," he envisions, "all those from whatever background who wish to become wholly educated will write fluently, well before the freshman year. In the meantime, we must cope.

Instructors must operate on the presumption, however vaguely, that once admissions declare a student college material, also the will of the student and that society concurs," he says.

He shies away from clever and ambitious texts, and has a longtime favorite in which the short excerpts are "lessons in ideas expressed" and words are exposed as instruments of choice and will.

Given the choice, the professor Edelman would free Freshman English students from the course once they achieved a C grade, "as if it were a great watershed."

But that cannot happen, he writes, "since not society, not all colleagues are yet agreed that we should be released from the notions of performing miracles. So my office hours are the sanctuary of the possible.

"Meanwhile, that which he regards as simultaneously the easiest and most difficult to achieve because they are by nature "superficial, mechanical, and boring."

Votapek to play in Chicago symphony

Ralph Votapek, concert pianist and MSU music faculty member, demonstrates how an active performing schedule can be combined with a teaching career.

This weekend, Votapek will perform with the Chicago Symphony Orchestra as part of its regular subscription. He and G. Lines, both associate professors of education, will work half-time for the council to design the career education program. The council will serve as a policy and review board.

Monday, Jan, 22, as part of the International Orchestra Series. The orchestra has performed at MSU annually since 1967.

Votapek's career was launched in 1962 when he won the first Van Cliburn Piano Competition. He also holds a master of music degree from Juilliard. He joined the MSU faculty in 1968.

Printing exhibit at library

Examples of the art of fine printing are on display at the Library this month in honor of National Printer's Week, Jan. 10 through Jan. 17.

The exhibit features works from the 15th century up to the present and includes modern reproductions of ancient printing. The works are the products of private, hand-operated presses and each has its own style of printing.

Nicolaus Jensen's Scriptoris rei rusticae, which was printed in Venice in 1472, is the oldest work on display. Jensen's work served as the basis for all modern printing.

Books on display are from the library's special collections department. The library is open Monday through Friday from 8 a.m. until 10:30 p.m., Saturday from 9 a.m. until 10:30 p.m. and Sunday from 1 p.m. until 10:30 p.m.

MSU, LCC offer child development

More than 40 people involved in local child care programs met Tuesday to begin the second term in a three-term sequence of child development courses offered jointly by MSU, Lansing Community College and the Lansing School District.

Instructors for the unique class are Miss Betty Garlick, director of Head Start training at MSU, and Mrs. Jess Pinch, of LCC.

"If it isn't an easy class, I don't teach it," Miss Garlick observed. "But it's exciting and very rewarding thing to be involved in. The whole range of ages and experience and educational background that makes things like grading papers so difficult is one of the real strengths of the class. If we could find the same blending in other classes here at the University, we could provide students with a richer experience."

The class originated, Miss Garlick explained, out of the need for some sort of training for Head Start staff. Planning sessions that began in May of 1972 and continued through July involved Dr. William Heater, chairman of the Department of Social Science at LCC, Dr. Margaret Bobbis, chairman of the Department of Family and Child Sciences at MSU, Head Start Director Charles Hudall and representatives from the Lansing School District, MSU Continuing Education Service and the State Department of Mental Health. Head Start teachers included in the subjects they felt the course work should include, and MSU and LCC classes were chosen accordingly.

Though intended to train teachers in the Head Start program, the class also includes day care center personnel, a kindergarten teacher and a first grade teacher.

To be eligible to take the class, an MSU student must be a Head Start teacher.

New resources major

Undergraduate students can now choose to major in "Natural Resources and Environmental Education," a new option introduced this year by the College of Agriculture and Natural Resources.

The new major, approved by the MSU Academic Council in October, is administered by the College of Agriculture and Natural Resources in cooperation with the College of Education. The Agriculture and Natural Resources Education Institute, under the direction of Carroll H. Wamhoff, will serve as the coordinating unit.

Faculty coordinator for the program is David J. Johnson of the Department of Fisheries and Wildlife.

"One of the best things about the program is that it's very student centered," says Johnson. "For one thing, the new program is interdisciplinary. A student can enroll in any one of four departments - forestry, fisheries and wildlife, resource development or park and recreation resources - and still have the major. There is also more flexibility in required courses."

Johnson explains that majors in natural resources and environmental education must take six core courses totaling 12 credits. Core courses include resource ecology and environmental education. A minimum of 15 credits is also required in at least three of the following areas: fisheries and wildlife, forestry and natural resources, horticulture and crop and soil sciences, park and recreation resources, and resource development and public affairs management. A minimum of 12 credits is required from at least two of the following areas: natural science, social science, and interdisciplinary and other courses. A number of elective credits from the College of Agriculture and Natural Resources are also required.

One of the features of the new major is that it offers teacher certification.

"Majors can receive teacher certification by completing 30 credits in teacher education courses," says Johnson. "Non-teaching majors, on the other hand, take courses in learning theory, human behavior and communications, in addition to the regular required courses.

"Even though the program hasn't received much publicity as yet, we've already enrolled more than 30 students," says Johnson. "If the present rate of enrollment continues, we'll have about 100 majors by the end of the year."

An important benefit to graduates of the new program is a relatively high prospect for employment. Johnson foresees an ever-increasing need for qualified natural resources graduates in teaching, interpretive centers, federal and state agencies, municipal and regional planning agencies, and industry.
Cottage turns classroom

In the two evening classes . . . you’ll find an advertising executive, a house painter, a retired policeman, a retired hardware store owner, a stock broker, a salesman, a modelmaker, an educational executive and a psychiatrist.

It is a small cottage designed in the Queen Anne style. It is listed in the National Register of Historic Places. It is wedged between apartment buildings looking onto the Detroit River from a withering section of Detroit. It is MSU’s Pewabic Pottery.

At the turn of the century, it was created to provide an artistic outlet for Detroit area residents. The students, 54 each term, fill the studio areas, turn potters wheels, test glazes, and create pottery pieces for themselves and for the exhibit and sale areas of the pottery.

The students are far from “normal.”

Roger Ault, the director, talks about the challenge of operating the Pottery.

They do not fit into one age group, one economic class or have the same degree of proficiency in ceramics.

In the two evening classes, which are approximately 25 percent male, you will find an advertising executive, a house painter, a retired policeman, a retired hardware store owner, a stock broker, a salesman, a modelmaker, an educational executive and a psychiatrist.

Roger Ault, an industrial designer with formal training in ceramics at Cranbrook Institute, is the director of the pottery.

He joined the MSU staff in 1967, a year after the University accepted the responsibility for operating the pottery. The pottery was a gift to MSU from industrialist Henry L. Caulkins in memory of his founders Mrs. Stratton and his father, Horace J. Caulkins.

Ault was joined the same year by an assistant, Jim Powell, who also serves as an instructor.

Operated by the Continuing Education Service, the pottery is important, according to Ault, as a vehicle “to continue and expand one’s knowledge as an adult.”

Presently, the pottery is offering an educational program to increase facilities for 150 potters. “The interest indicates that expansion is necessary,” he said.

Although nine new spaces were added fall term, three of these new openings and all the other openings were taken by past students who have a one-time privilege of getting back in, resulting in only six openings available to 37 applicants, Ault added.

Other additions planned when finances permit include expansion of the tour program to include younger groups; a ceramic library for student use and storage of historic records; an advanced studio program for the best qualified students in the Midwest; and a training center for ceramic designers.

Ault said that because of the special need in our times for lifelong education, the pottery is being maintained as both an educational and historic facility.

“This is extremely important when you consider the scarcity of art facilities set aside for the segment of society we serve,” he said, “particularly as you consider the increasing popularity of early retirement, the four-day work week, and ultimately a 30-hour or less work week.”

In addition to offering a highly-professional adult ceramic educational program, the pottery provides appropriate college credit extension courses.

The pottery, as a museum alone, has strong appeal.

Entrance into the pottery begins with the museum and showroom facilities on the first floor.

These rooms are followed by the laboratory area where glazes and their recipes are mixed and stored.

The three-story kiln room is off the laboratory. It’s best that students fire their ceramics at 2,400 degrees.

A very noisy, machine -filled room forms the back of the building. This is the clay room.

The clay is produced in machines more than a half century old. It is mixed in the blunger (a six-foot vat - with paddle), then pressed into large pans in the filter press to remove excess water. The filter cakes are fed into the pug mill (like a meat grinder) which removes air. The clay is now ready for use. For nine years Primo Valloni has kept the clay machines in working order.

The basement of the building provides the workshop and studio areas for the pottery classes.

The Michigan State Council for the Arts has been housed on the second floor of the pottery since 1968. The council, an agency of the state government and associated with the National Foundation for the Arts at the federal level, is responsible for initiating and supporting community art programs in Michigan.

There’s a large room directly above the clay room, which presently is a catch -all for storage, including boxes of tiles remaining from the production days of the factory. Ault has visions for this room as an adult studio when funds are available.

The side courtyard serves as a useful area during the summer. Here potters fire their pots for 15 minutes in outdoor kilns using the 16th century Japanese technique of Raku. The pots are then dipped into either sawdust or a tub of water. This results in glazes of an iridescent nature.

The exhibit area of the Pottery offers the public a chance to view and purchase clay items.
Although he lacks shorthand, Madison Kuhn has held one of the most prestigious acadeaic positions on campus for the last five years.

Kuhn, graduate chairman of the College of Arts and Letters and professor of history, retires this month as Secretary of the Faculty. "I've done my turn and it has been enjoyable. It's time for somebody else to take over," he said.

Kuhn took the position in 1967 upon the urging of former President John A. Hannah.

"President Hannah wanted somebody from the faculty to record minutes of the Administrative Group, the Academic Council and the Senate, and asked if I would take the responsibility," Kuhn said.

Kuhn said that during his first year in the post he took voluminous notes and recorded just about everything that was said in these academic governance meetings.

The sessions were closed to the public then and it was important to keep an accurate record of everything that transpired," he said.

"Now that the meetings are open and the press covers them and all sessions are recorded on tape, the task is easier."

Kuhn is assisted in his task by Bernice McQuary, administrative secretary to the Secretary of the Faculty, and the University Archives and University Collections.

Mrs. McQuary is responsible for the preparation and distribution of the minutes as dictated by Kuhn. "She has been a great asset to the position," he said.

Kuhn, who has been a member of the MSU faculty for 35 years and is the University historian, said that he has seen major changes in academic governance during his term as Secretary of the Faculty.

"My first year in the position the Academic Council was involved in revising the Bylaws for Academic Governance to reduce the power of deans," he said. "Great debates took place and some members of the council wanted to remove the deans altogether. This is when the elected Faculty Council was formed."

Kuhn said that there is no longer a disagreement between faculty and deans. "These groups have found they have much in common and there has been a change of attitude. And with the change in personnel, the deans see themselves as faculty. This harmony is a very fine thing."

Another change that Kuhn has witnessed is the inclusion of students in academic governance.

"This is a fine development and students have offered a great deal to the Academic Council as well as to the standing committees and departmental committees," he said. "An added benefit is that the students are discovering some of the University's administrative problems which had not occurred to them before."

Kuhn also noted another growth of the academic governance system: the inclusion of all standing committees as the University Committee on Business Affairs.

"Now faculty and students have a voice in decisions in these areas of University operations which they could not register before. This is important to both groups."

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MADISON KUHN

Kuhn, a South Dakota native, received his B.A. from Park College in Missouri and his M.A. and Ph. D. from the University of Chicago.

During his 35 years at MSU, he has served on various departmental committees, the Athletic Council and the Centennial Committee.

Kuhn, who wrote the history of MSU—"The First Hundred Years," for the centennial, is currently working on his second book about the 1932 Roosevelt and Hoover presidential election.

His profession and hobbies are combined as he travels and visits libraries and talks to people along the way. "Being a historian, I travel to understand the human, economic and social sides of life," he said.

His goal? Finish his book, write on other subjects and continue doing what he likes best—teaching.

—BY SANDRA DALKA

Daniel Kruger, professor of labor and industrial relations, and James Spaniolo, former assistant to President Clifton R. Wharton, Jr., have been named by Governor William G. Milliken to a newly created Commission in the near future, including that of a chairman.

Kruger, Spaniolo named

... C-T ruling

(Concluded from page 1)

votes, because then if the University drops its challenges, AFSCME's would remain. But the unit did not concur.

Schmidt, who has been working in Michigan only since last May, admitted that he was operating under the assumption that when one party challenged, all parties are considered to have challenged. He said this was the rule in other states.

"Besides," he said, "I had no more information on the status of these employees than anyone else and it would have been unnecessary for me to challenge them without grounds."

Rolfie Deen, MSUFA president, said he was optimistic that his unit would eventually be certified the winner.

"The way it stands now, we are victorious," he said, "and the rest of the ballots our margin will be even greater. We hope this well be settled quickly so we can get a contract signed."

... Todetermine and make appropriate recommendations to the governor and the legislature concerning needed procedures and structures for the governance, general planning, and coordination of post-secondary education in Michigan.

To determine and make needed recommendations on the means and processes for providing most equitably for the financial requirements of post-secondary education in Michigan in the years to come.

The governor indicated that more appointments would be made to the commission in the near future, including that of a chairman.
Academic Council:

Foundation of academic governance

The parking lot across from the International Center fills with cars at 3 p.m. one Tuesday a month. Professors rush from their cars into the building's Con Con Room where they are joined by students. President Wharton presides over the group for from 30 minutes to three hours. Adjournment... And it's back to their cars. These Tuesday meetings form the basis of the University's academic governance system. For at least once a month the Academic Council meets to advise the president of all matters of the University. It meets to provide a voice for students and faculty in University policy. It meets in behalf of and for the Academic Senate. The Senate, composed of professors, associate professors and assistant professors of the regular faculty, as well as the Provost and President, takes formal action on issues relating to matters of educational policy. Matters brought before the Senate come as recommendations or reports of the Council. It meets at least once each term. The Academic Council, which is led through a committee system, has been in existence since the mid-fifties. The monthly meetings of the Council provide a platform and an action ground for behind the scenes committee work. Recommendations and proposals get their acceptance or rejection via the Council and the Senate.

The MSU Board of Trustees provides the final determination on issues of major University policy. Not all of the issues that reach the Council and Senate have to pass to the Board of Trustees, however. Current issues facing the Academic Council are the Faculty Counsel Procedure, a Rights and Responsibilities document, general education, and structure and curriculum for the College of Urban Affairs. The issues will have major billing on the groups' agendas in the coming months. These major issues will be mixed with such routine matters as curriculum approvals, academic calendar changes and other educational matters. Items reach the Council and Senate agendas through a steering committee. This committee is responsible for setting the agendas.

Another powerful committee of the Academic Council is the Committee on Committees. This committee provides a check of the various activities of the various committees. Faculty members, in addition to serving on the Senate and the Council, serve on the Council's 12 standing committees and the various ad hoc committees. Listed below are the faculty members who serve in the University's academic governance structure.

NAME AND RANK
Clifton R. Wharton, Jr., Prof. John E. Cantelas, Prof. Madison Kuehle, Prof.

DEPARTMENT
AGRICULTURE & NATURAL RESOURCES
Ralph R. Balsone, Prof. Richard W. Chase, Prof. (R) David R. Dickey, Prof. John N. Fermis, Prof. Harold E. Malik, Prof. William T. Magee, Prof. (R) Robert R. Ringer, Prof.

ARTS & LETTERS

BUSINESS
Walter C. Van Huss, Prof. Robert G. Frick, Prof.

COMMUNICATION ARTS
Jack M. Bial, Asst. Prof. Patricia Walsh, Asst. Prof.

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EDUCATION
*Charles W. Manes, Prof. Donald H. Balsone, Asso. Prof. (R) Paul D. Halter, Prof. Herbert C. Jackson, Prof. *Bruce L. Miller, Asst. Prof. James H. Rickard, Pickering, Prof. Frederick D. Williams, Prof.

ENGINEERING
Thomas W. Clapper, Asso. Prof. James L. Lukens, Prof. David L. Montgomery, Prof.

HUMAN ECOLOGY

HUMAN MEDICINE
*Theodore M. Brody, Prof. Daniel F. Cowen, Asso. Prof. Norman B. McCullough, Prof.

AGRICULTURE & NATURAL RESOURCES
Ralph R. Balsone, Prof. Richard W. Chase, Prof. (R) David R. Dickey, Prof. John N. Fermis, Prof. Harold E. Malik, Prof. William T. Magee, Prof. (R) Robert R. Ringer, Prof.

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HUMAN MEDICINE
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**Committee on Committees (R) Re-elected
BULLETINS

VISITING POET

Richard Wilbur, a major poet and translator, will read at 8 p.m. Thursday, Jan. 11 in Wonders Kiva. A reception will follow at the Pretzel Bell.

ART INTEREST

The Faculty Folk painting group will hold winter term instruction from 1 to 3 p.m. Mondays at Marble School, East Lansing. The instructor is Mrs. Claudine Bing, and all types of painting technique are included. Those interested in joining should contact Mrs. Thomas Kirk, 349-1888.

OBSERVATORY

The MSU Observatory will be open to the public from 8 to 10 p.m. Saturday, Jan. 20. Weather permitting, the 24-inch reflecting telescope will be used for observing celestial objects of current interest. Children under 13 are welcome if accompanied by at least one adult for each three children.

MSU PUBLICATIONS

"This is Michigan State University," a comprehensive statistical record of the University, and "Facts in Brief," a capitalized description of MSU, have been updated and reprinted. "Briefs," in larger supply, can be provided in quantity. For copies, call information Services, 5-2260.

PHI DELTA KAPPA

Phi Delta Kappa will hold its initiation and winter dinner at the Starboard Bock beginning at 6:30 p.m., Friday, Jan. 19. Virginia Wiseman, executive secretary of the College of Education graduate office, will be honored. Tickets are $6.50. Further information can be obtained from the Graduate Office, 5-7436.

Scholarship Lunches

Tickets for the Faculty Folk-Newcomers Scholarship Benefits to be held Wednesday, Feb. 14 and Friday, Feb. 16 are now available to members and guests for a variety of gourmet meals and parties following an international theme. The afternoon dessert bridge, luncheon and Coffee House will begin at 12:30 p.m. Evening dessert bridge and supper will begin at 7:30 p.m. Friday evening is reserved for those who wish to attend as couples. For nursery reservations from noon to 3:30 p.m. phone Vita Takiff, 351-4134 by Feb. 7. For ticket information and reservations contact Mrs. Paul Nilson, 372-1021; Mrs. Robert Blanks, 372-7350; or Mrs. Roy Wesselman, 349-9102. Proceeds provide scholarships for MSU coeds.

BAKE SALE

MSAU Day Care Center is sponsoring an international bake sale on Saturday, Jan. 20 from 10 a.m. to 3 p.m. at the Meridian Mall. The sale is being held to raise scholarship funds to help allay the cost of day care for student families.

BLACK WOMEN

The Black Women's Association of MSU will hold its monthly meeting at 5 p.m. Sunday, Jan. 14 in 31 Union. Gloria Smith and Louise Taylor and cochairmen.

ACADEMIC COUNCIL

The Academic Council will meet at 3:15 p.m., Tuesday, Jan. 16 in the Con Con Room, Center for International Programs. Coffee will be served to members at 2:50 p.m.

Computing Lab Hours

The Statistical Computing Laboratory (100C Wells) will be open for use by faculty members and students on Mondays, Wednesdays, and Thursdays from 1 to 5 p.m. and from 7:30 to 9:30 p.m., and on Tuesday from 1 to 4 p.m. and 7:30 to 9:30 p.m. The lab is open on Fridays from 1 to 4 p.m. only. Two electronic calculators are available as well as the rotary type Monroe Calculator. A graduate assistant from the Dept. of Statistics and Probability will be available to assist in the use of the calculators. For information, call S-9859.

Muscles Alive!

The "Visiting Scholars in Medicine" series sponsored by the College of Osteopathic Medicine will feature a lecture by John V. Basmajian, professor of anatomy and director of the Emory University Regional Rehabilitation Research and Training Center, at 6:30 p.m., Wednesday, Jan. 17 in the Kellogg Center Centennial Room. His topic will be "Muscles Alive: Recent Electromyographic Progress." Dinner reservations may be made by calling S-4737.

Coffeehouse

Mariah folk and blues coffeehouse will open Thursday, Friday and Saturday, Jan. 11, 12, and 13, with shows at 8 and 10:30 p.m. in McDonel Kiva. Sonny Terry and Brownie McGhee plus the Bluegrass Extension Service will provide this week's entertainment. The grand opening will be held Saturday, Jan. 13 beginning with free Laurel and Hardy and WC Fields movies at 10 a.m. and open musician's workshop from 1 to 5 p.m. A flea market will also be held from 10 a.m. to 5 p.m. Admission is $1.

SEMINARS

Thursday, January 11, 1973

Synthetic sounds and real music. R.A. Moog, 4:10 p.m., Erickson Kiva. Physics.

Friday, January 12, 1973


Monday, January 15, 1973


Human prolactin: secretion and actions. Roger W. Turkington, Dept. of Medicine, U. of Wisconsin, 4 p.m., 216 Gilnert. Physiology.


Tuesday, January 16, 1973

Genetics of copolymerization. B.N. Shah, 4 p.m., 284 Engineering. Chemical Engineering.

Tree fruit breeding at Harrow—objectives and selection methods. R.E.C. Layne, fruit breeder, Canadian Dept. of Agriculture, Harrow, Ontario, 4 p.m., 209 Horticulture. Horticulture.

Eucenmcalism in the explanation of E. coli's energy coupling to entry processes. A.L. Koch, Dept. of Microbiology, Indiana U., 4:10 p.m., 146 Gilnert. Microbiology and Public Health.


Conditions related to maximum likelihood methods. V. Fabian, 4:10 p.m., 405A Wells. Statistics and Probability.

Wednesday, January 17, 1973


The impulse formation—conduction system of the heart. John W. Jones and Karl F. Yoshonis, 12:30 p.m., 214A Life Sciences. Medicine.


Social aspects of food productivity. Georg Borgstrom, 4:10 p.m., 101 Biochemistry. Plant Research Laboratory.

Thursday, January 18, 1973


Oxygen toxicity, oxygen radicals, and superoxide dismutase. Irwin Fridovich, Dept. of Biochemistry, Duke U., 4:10 p.m., 101 Biochemistry.


Aqauric plant communities of hyper-eutrophic ponds. Clarence D. McNabb Jr., 1:30 p.m., 223 Natural Resources. Fisheries and Wildlife.

Effect of oral contraceptives on nutrition. M.G. Yang, 12:30 p.m., 206 Food Science. Food Science and Human Nutrition.


For general information about MSU, please call 353-8700.
FRIDAY, JANUARY 12, 1973

8 p.m.  International folk dancing—Instruction is followed by dancing at 9 p.m. 327 M.A.C.

THURSDAY, JANUARY 18, 1973

8:15 p.m.  “Godspell,” a musical based on the gospel according to Matthew, will be the first presentation of the Broadway Theatre Series for the new year. A 1971 Grammy Award winner, the show brings the Bible to life as a natural and freestyle living experience. The score includes such hit songs as “Day by Day,” “Save the People,” and “By My Side.” Tickets may be purchased at the Union Ticket Office, Auditorium.

FRIDAY, JANUARY 19, 1973

7:30 p.m.  Hockey—MSU vs. U.S. Air Force Academy, Ice Arena.
8 p.m.  World Travel Series—Dick Reddy will lead travelers through “A Swedish Summer.”

SATURDAY, JANUARY 20, 1973

2 p.m.  Swimming—MSU vs. Michigan, IM Pool.
2:30 p.m.  “Little Green Men” (see Jan. 12). Abrams Planetarium.
7:30 p.m.  Hockey—MSU vs. U.S. Air Force Academy, Ice Arena.
8 p.m.  World Travel Series—Dick Reddy will lead travelers through “A Swedish Summer.”

SUNDAY, JANUARY 14, 1973

4 p.m.  “Little Green Men” (see Jan. 12). Abrams Planetarium.

TUESDAY, JANUARY 16, 1973

12 p.m.  University Club luncheon—Robert Page, station manager of WKAR-TV, will discuss the adventures that he and his staff have had in starting telecasting on Channel 23.

EXHIBITIONS

Kresge Art Center

Entrance Gallery: Photographs by Roger Funk, professor of photography in the Department of Art.

North Gallery: 44 prints on loan from the collection of Western Michigan University, including color lithographs, intaglio, serigraphs and photoserigraphs from well-known artists, such as Clau de Oldenberg, Jasper Johns, Roy Lichtenstein, Robert Indiana and Andy Warhol. New gallery hours are from 9 a.m. to 5 p.m. weekdays, 7 to 9 p.m. Tuesdays, and 1 to 4 p.m. Saturdays and Sundays.

Library

The January exhibit, “The Art of Printing,” shows examples of the work of outstanding printers from the earliest to modern private presses. Printing week begins Jan. 10.

Museum

“Treasures from Two Continents” includes masks, carvings, silver crosses and other works from the artisans of Indonesia, China, Africa, and Ethiopia. They are from the Kline collection recently donated to the Museum.

Information on MSU events may be submitted for possible inclusion in the bulletins to Patricia Grauer, Dept. of Information Services, 109 Agriculture Hall, (517) 353-6819. Deadline for submitting information is noon Tuesday preceding the Thursday publication. The calendar of events will cover a 9-day period, Friday through Saturday.