

MSU Faculty News

Vol. 1, No. 16

Michigan State University,

Feb. 10, 1970

Ball, Karabatsos will receive Sigma Xi research awards

The University's top two science awards will go to a leading water quality researcher and to a young professor of chemistry.

Robert C. Ball, director of the Institute of Water Research, will receive the Sigma Xi senior research award, and chemist Gerasimos J. Karabatsos will receive the Sigma Xi junior award.

The junior award, presented annually to an outstanding under - 40 researcher, will go to Karabatsos at next Wednesday's Sigma Xi meeting that begins at 8 p.m. in 138 Chemistry. Ball will receive his award in April.

Ball, limnologist who joined the faculty in 1947, has directed the water research institute since 1966. He is a leader in MSU's research efforts dealing with the nation's water pollution problem, and is now responsible for the University's studies on plant and animal systems in lakes and streams.

Ball pioneered research in lake fertilization, and the use of radioactive phosphorus and other isotopes in aquatic systems. The new lake system plan here - in which sewage is processed as it passes from lake to lake - is one of his most recent contributions.

He is also a professor of fisheries and wildlife. Ball has a master's degree from Ohio State University and Ph.D. from the University of Michigan.

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KARABATSOS is nationally recognized for his work in nuclear magnetic resonance spectroscopy of molecules. He will lecture on his research at Wednesday's Sigma Xi meeting.

He is one of the youngest full professors in the chemistry department and one of the youngest men elected to the Greek Academy of Science. The

latter honor was announced in November.

A native of Greece, Karabatsos joined the Michigan State faculty in 1959. He currently has a fellowship from the National Science Foundation.

Karabatsos holds both master's and Ph.D. degrees from Harvard University.

Group to seek candidates in osteopathy

A search committee has been appointed to identify and rank three or four of the nation's best candidates for the deanship of a state - supported osteopathic college at Michigan State.

Provost John L. Cantlon said the procedure follows traditional MSU academic guidelines for the selection of a new dean.

Acting on the committee's recommendations, the provost will suggest a candidate to the president and the Board of Trustees, which makes the appointment.

The search committee is chaired by Richard U. Byerrum, professor of biochemistry and dean of the College of Natural Science. Members are: William B. Carnegie, Lansing internist; Lawrence M. Jarrett, staff physician, Olin Health Center; Hilliard Jason, professor and director of medical education research and development, and professor of psychiatry; William H. Knisely, director of the Institute of Biology and Medicine; Ralph Lindberg, executive director of the Detroit Osteopathic Hospital, Inc.; C. David Mead, professor of English and editor of the Centennial Review; Isabelle K. Payne, professor of nursing; and Clarence L. Winder, professor of psychology and dean of the College of Social Science.

The state law establishing the osteopathic college requires that the dean have a doctor of osteopathy degree. The law, passed last summer, calls for the college to be located "at an existing campus of a state university with an existing school or college of medicine."

Cantlon stressed that the University will continue to provide programmed expansion of medical training in the College of Human Medicine as it initiates the osteopathic program.

NUC meets tonight

The local chapter of the New University Conference will meet at 7:30 tonight in the Union to discuss politics, teaching and the ideology of professionalism. The meeting is open to the public.

The New University Conference involves graduate students, faculty and staff "who are concerned with constructing alternatives to our present social system," according to Eileen Van Tassell, assistant professor of natural science and member of NUC.

complaints about it, but nobody does anything."

"Conservative administrators, radical students and neutral faculty all agree on the need for revision, be it modest or drastic. The problem is in reaching agreement on improvements in the curriculum."

UDEANS provides the lines of communication necessary to continually adapt the curriculum to changing student and faculty needs.

The system underscores the need to make information and communication channels available to all concerned (students, faculty and administrators), accomplished through a common information file and "multiple / direct" lines of communication.

"We use the term curriculum to refer to people, courses, course schedules - all the elements of the academic side of higher education," the researchers reported.

"By 'management' we mean decisions designed to maximize educational goals."

It is up to each user of the

(Continued on page 3)

The 'U' wants to shoot you--with a camera

Beginning this week, all faculty, staff and employee identification cards are being updated. Identification cards now held will not be valid after April 1.

Pictures for new ID cards are being taken in Room 142 Administration Building, Monday through Friday, 8 a.m. to 12 noon and 1 to 5 p.m.

Colleges whose faculty and staff are scheduled for picture - taking this week (Feb. 9-13) are: Agriculture and natural resources, arts and letters, business, and communication.

Scheduled to be photographed next week (Feb. 16-20) are persons from: Education, engineering, home

economics, human medicine and social science.

Blank ID card forms have been sent to all deans and administrative officers for distribution to faculty and staff. Each new card will expire on the holder's birthday in 1975.

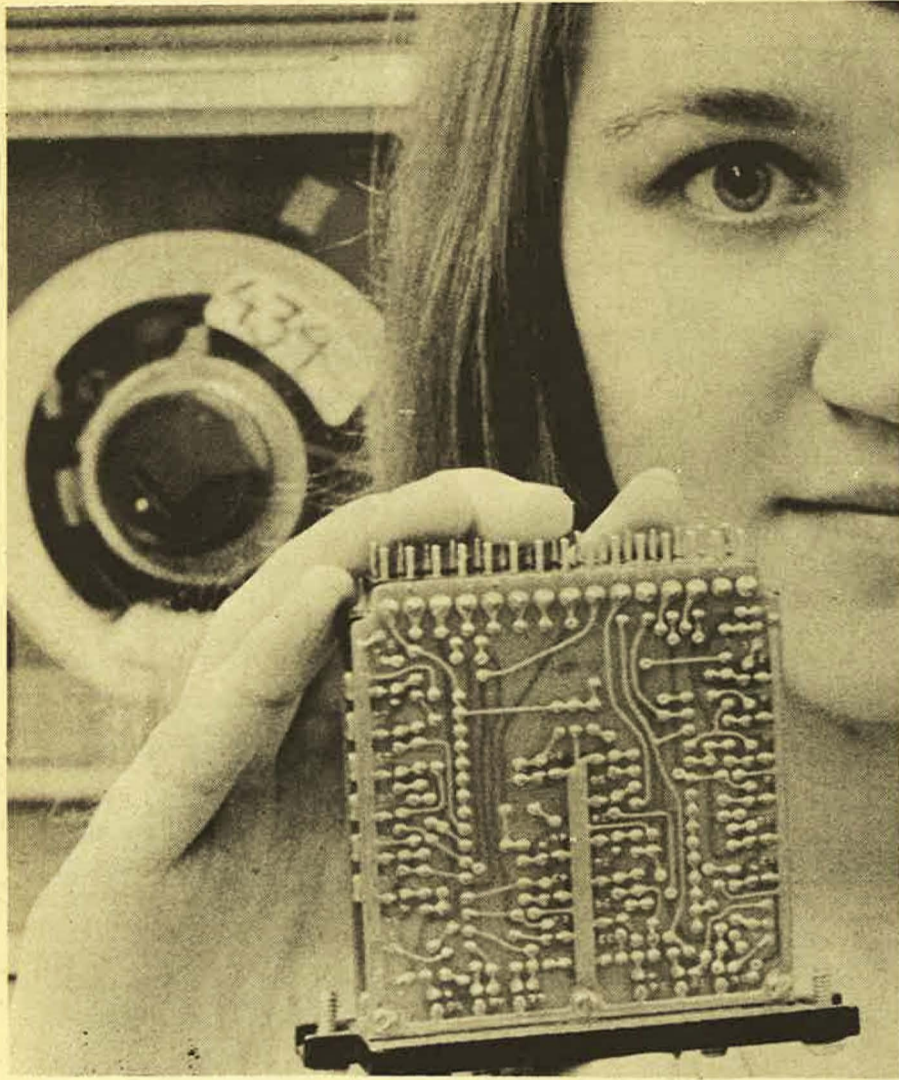
THE REMAINING schedule for ID-card picture - taking is:

Feb. 23-27 - Natural science, University College, veterinary medicine, James Madison College, Justin Morrill College, Lyman Briggs College, aerospace studies, military science, campus park and planning, public safety department, international programs.

March 2-6 - Continuing education,

dormitory and food services, physical plant, procurement and University services.

March 9-13 - Student affairs, admissions and scholarships, registrar's office, intercollegiate athletics, alumni association, personnel office, placement bureau, executive vice president's office, School of Advanced Graduate Studies, Office of Institutional Research, provost's office (including Educational Development Program and Center for Urban Affairs), University libraries, vice president for business and finance, comptroller's office, research contracts, internal audit, data processing, information services.



The computer's smallest component: Programming Consultant Lynn Snedecor examines a plug-in module, one of thousands needed by the 6500. (See story, page 3).

- Photo by Bill Mitcham

Computer can help redesign curricula

By GAIL MORRIS
Assistant Editor, News Bureau

Administrators in two MSU colleges view curriculum management by computer as a way to improve communication within the community, and to meet changing needs and interests among faculty and students.

Using computer programs developed by John F. Vinsonhaler, associate professor of education, a prototype computer - based management information system for curriculum control has been designed for use here.

It is known as UDEANS - University Deans' Information System - and its functions on the University's CDC 3600 computer.

Developed and now in use in the School of Social Work, College of Social Science, UDEANS will soon be implemented in the College of Communication Arts by Dean Jack Bain, Assistant Dean Erwin Bettinghaus, and Clyde D. Morris, assistant professor of communication.

In a report recently issued by the University's Information Systems Laboratory (ISL), the men who developed UDEANS describe its use and potentials for curriculum improvement.

Developmental work was done during 1968-69 under the direction of Vinsonhaler, who heads ISL, in cooperation with Clarence L. Winder, dean of the College of Social Science; Morris; and Daniel Millin, an ISL computer specialist.

* * *

"THIS PROJECT," says Morris, "is a good example of what can be accomplished when researchers from different areas of the University work cooperatively with administrators and students in solving an educational problem."

The ISL report says: "The modern college and university curriculum is like Mark Twain's weather: 'Everybody

Bylaw change would remove 'constraint'

The proposed amendment to the faculty bylaws which was tabled by the Board of Trustees last month is intended to remove a constraint on the University Committee on Business Affairs, not to add a charge, according to Robert W. Little, chairman of the business affairs committee.

Section 5.4.9.2 of the bylaws, which defines the committee's function, now reads:

"The Committee on Business Affairs shall examine and evaluate policies within the service functions and business office, exclusive of allocation of financial resources, that bear directly on the academic and research aspects of the University."

The proposed amendment would delete the words: "exclusive of allocation of financial resources."

Little, associate professor of metallurgy, mechanics and materials science, said removal of the "constraint" would better enable the committee to meet its charge.

The financial resources involved do not include salary monies, student fees or state appropriations, he said.

Acting Vice President for Business and Finance Roger Wilkinson said, this involves such areas as the registrar's office, the bookstore, the business office, maintenance and physical plant.

This involves about 25 per cent of the University's general fund budget for total operations. The remaining 75 per cent is allocated to the provost for academic areas.

Also in the purview of the vice president for business and finance are overhead funds, which are the monies received over and above a research grant for administrative costs. Passage of the amendment would allow the committee to advise on the dispersal of these allocations.

Life insurance benefits upped

Faculty enrolled in the University's life insurance program have received an increase in the value of their coverage at no additional cost in premiums.

Letters announcing the increase in benefits have been sent to some 5,300 MSU policyholders, according to Albert C. Chapman, staff benefits supervisor.

The increased coverage was effective Feb. 1. It applies automatically, Chapman said, and no signatures or new application cards are required.

Here is how the new and old coverage schedules compare:

Schedule A
Under age 45 - from \$10,000 to \$12,000.

45 to 65 - from \$7,500 to \$9,000.

Over 65 - from \$1,000 to \$1,500.

Schedule B

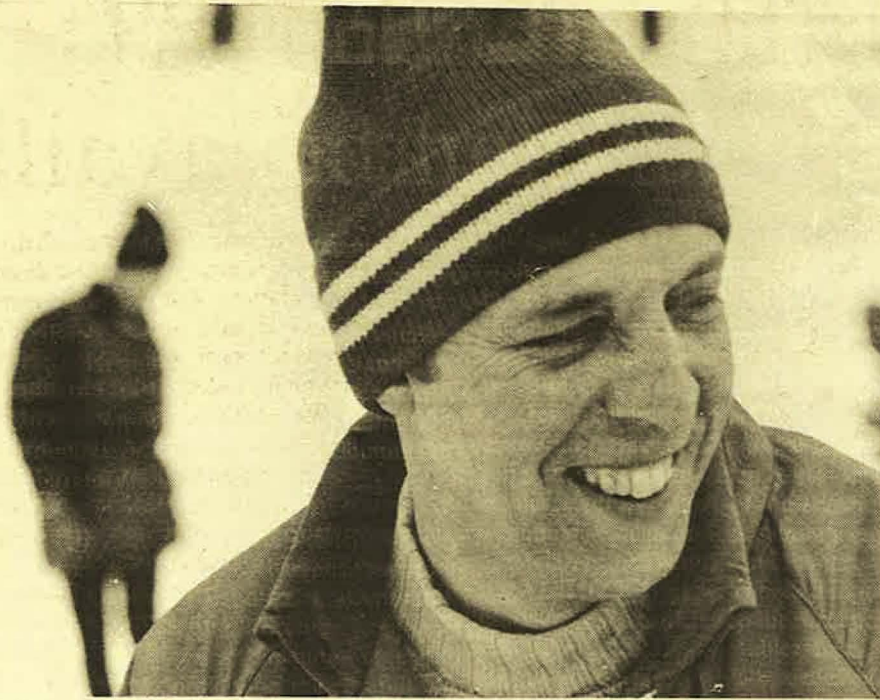
Under 45 - from \$20,000 to \$24,000.

45 to 65 - from \$15,000 to \$18,000.

Over 65 - from \$2,000 to \$2,500.

Persons who have \$3 a month deducted are on Schedule A, and those who have \$6.50 a month deducted are on Schedule B.

Chapman said that an open enrollment - for persons who wish to subscribe to the life insurance plan or who wish to change their coverage - is likely to be held in April or May.



MSU's Dale Alam: Too many kids are "confined by the system."

-Photo by Dick Wesley

Professors and youngsters help each other to 'Refuel'

By SUE SMITH
Assistant Editor, News Bureau

"Too many kids today are confined by the system," says Dale Alam, associate professor of education. "We should find a way to give them a world of options - options that could get them out of the classroom and still be called education."

Alam is a volunteer in a program called "Operation Refuel" (Relevant Experiences for Urban Educational Leaders), a team-teaching project now being implemented at the Allen Street Elementary School in Lansing.

Every Thursday morning and Friday afternoon, Alam takes to the slopes at the Lansing Ski Club with six fourth-graders from the Allen Street School.

"It's been a fascinating experiment," he says, "because on skis these kids are finding that they're all on their own. They've got to put some effort into helping themselves."

"Operation Refuel" is funded by the Center for Urban Affairs with full cooperation from the Lansing Public School System.

Four teams, averaging nine teachers each, are now teaching combined classes of first-, third-, fourth- and sixth-grade children in the school. Each team includes the regular certified teachers at the school, an MSU professor, a graduate intern and two to six student teachers. Each team teaches approximately 60 children.

The target school for the program was chosen because its children are from varied ethnic backgrounds, and present a wide range of learning abilities and capabilities.

Enrollment at the school is typical of many inner-city schools - 22 percent blacks, 19 percent Spanish-speaking and 59 percent whites who are characterized economically as "low or middle-class."

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GERALD DUFFY, project director, lists three objectives of the project:

"First of all we are getting the professors off campus and into an actual

Aebleskiver time

The MSU Faculty Women's Association annual Aebleskiver Luncheon will be held Saturday from 11 a.m. to 2 p.m. at All Saints Episcopal Church. Proceeds from the luncheon support scholarships for women students. Tickets are \$1.35 each.

classroom. Secondly, since research shows that the academic achievement of some inner-city children is below national norms, we hope to increase this achievement by giving them exposure to different levels of expertise. Thirdly, we are trying to provide meaningful experience for undergraduate or graduate students preparing to teach in inner-city schools."

"Operation Refuel" was started fall term with one team. In January, the program was expanded to include four teams, approximately 40 teachers.

Those involved in the program from the College of Education are: Duffy; Alam; Perry Lanier, assistant professor; George Sherman, instructor; and Leland Dean, director of teacher education.

Regarding the program's future, Duffy says, "Of course we would like to see it made a permanent program. Ten years from now, I would like to see all of the professors, as a matter of course, go back into the classroom periodically."

"This type of program would help each of our methods course instructors keep up to date with what is really happening in the inner-city schools and would be better equipped to train future teachers planning to work in these schools."

Robert L. Green, director of the Center for Urban Affairs, says that the program so far has proven to be very beneficial.

"There is a need," Green says, "for universities and colleges throughout the country to systematically evaluate their traditional educational training programs. Many of the concepts and processes used in the past are outmoded."

PAC production opens Feb. 24

Carson McCullers' "The Member of the Wedding," this term's production by the Performing Arts Company, will be presented Feb. 24 - March 1 in Fairchild Theatre. Curtain time is 8 p.m.

The production is directed by Roy Bowen, a member of the Ohio State University Theatre Department who is spending this term as guest lecturer at Michigan State.

Fairchild's box office is open 12:30 to 5 p.m. Monday through Friday, beginning next Monday.

WMSB

Tuesday, Feb. 10
7 p.m. SPIN BACK THE YEARS. The Atomic Age.

Wednesday, Feb. 11
7 p.m. YOUNG MUSICAL ARTISTS. Pianist Joela Jones.

Thursday, Feb. 12
7 p.m. LA REVISTA.

Friday, Feb. 13
7 p.m. ASSIGNMENT 10. Mid-Michigan drug dependence and abuse; feature on valentines; and cartoonist Phil Frank.

Saturday, Feb. 14
11 a.m. INNOVATIONS.
1 p.m. THE SHOW. James Kavanaugh, the Amboy Dukes and folk artist John Berger.

Sunday, Feb. 15
11:30 a.m. NEWS IN PERSPECTIVE. British attitudes toward U.S. foreign policy.

12:30 p.m. ASSIGNMENT 10.
1:30 p.m. NET FESTIVAL. American violinist James Buswell.

2:30 a.m. MUSIC OF JAPAN.
3 p.m. THE FORSYTE SAGA.

4:30 p.m. NET JOURNAL. Life in a New York City hospital. (90 minutes)

10 p.m. THE ADVOCATES. Should we lift our embargo on trade with Castro's Cuba?

11 p.m. NET PLAYHOUSE. "Five Tomorrows," five short foreign film dramas dealing with anxiety about a future based on today's violence, conformity and atomic weaponry. (90 minutes)

Monday, Feb. 16
12:30 p.m. MALAYSIA. Dr. Clifton Wharton Jr. discusses politics of accommodation in Malaysia.

7 p.m. SPARTAN SPORTLITE. Filmed highlights of the Michigan State Relays, the MSU-Ohio State swimming meet and the MSU-Iowa-Wisconsin fencing meet, plus a review of the MSU-Indiana basketball game.

WKAR

Tuesday, Feb. 10
6:30 a.m. (FM) MORNING SHOW. (Monday through Friday)

8 a.m. (AM-FM) MORNING NEWS REPORT. (Monday through Friday)

9 a.m. (AM-FM) DICK ESTELL READS. "Fire From Heaven" by Renault (Monday through Friday).

10 a.m. (FM) ON CAMPUS. (Monday through Friday)

11 a.m. (AM) TRANSATLANTIC PROFILE.

11:30 a.m. (AM-FM) NEWS. (Monday through Friday)

1 p.m. (FM) MUSIC THEATRE. "Kismet."

5 p.m. (AM-FM) NEWS 60. (Monday through Friday)

8:30 p.m. (FM) BOSTON SYMPHONY.

Wednesday, Feb. 11

11 a.m. (AM) BOOK BEAT.

1 p.m. (FM) MUSIC THEATRE. "The Pirates of Penzance."

8 p.m. (FM) THE ART OF GLENN GOULD.

Thursday, Feb. 12

10 a.m. (AM) THE ART OF GLENN GOULD.

11 a.m. (AM) EUROPEAN REVIEW.

1 p.m. (FM) MUSIC THEATRE. "The Believers."

7 p.m. (FM) CINCINNATI SYMPHONY ORCHESTRA.

9 p.m. (FM) JAZZ HORIZONS.

Friday, Feb. 13

10:30 a.m. (AM) THE GOON SHOW. English radio comedy.

11 a.m. (AM) A FEDERAL CASE

1 p.m. (FM) MUSIC THEATRE. "Hello, Dolly."

2 p.m. (FM) ALBUM JAZZ.

4:45 p.m. (AM-FM) EDUCATION IN THE NEWS.

8 p.m. (FM) WORLD OF OPERA. "Otello."

Saturday, Feb. 14

9 a.m. (AM-FM) DICK ESTELL READS. "The Establishment Is Alive and Well in Washington" by Art Buchwald.

9:30 a.m. (AM) THE WORD AND MUSIC.

10:30 a.m. (AM) VARIETADES EN ESPANOL.

11:45 a.m. (FM) RECENT ACQUISITIONS.

1:30 p.m. (AM) THE DRUM. Black people produce their own program.

2 p.m. (AM) ALBUM JAZZ.

7 p.m. (FM) LISTENERS' CHOICE. Classics by calling 355-6540.

Sunday, Feb. 15

2 p.m. (AM-FM) CLEVELAND ORCHESTRA.

4 p.m. (AM-FM) FROM THE MIDWAY.

7 p.m. (FM) COLLOQUY.

Monday, Feb. 16

10:30 a.m. (AM) ASIA SOCIETY.

11 a.m. (AM) COLLOQUY.

1 p.m. (FM) MUSIC THEATRE. "Cabaret"

8 p.m. (FM) OPERA FROM RADIO ITALIANA. "Dido."

THE COMPUTER LABORATORY:

High-speed help available

With help from the computer:

— A physicist can measure the millions of events that take place when pieces of sub-atomic matter smash into each other;

— A music professor can statistically determine reaction times of musicians;

— An economist can do large-scale meal-planning for developing nations;

— A zoologist can analyze cell proliferation rates;

— A psychologist can study student attitudes and beliefs.

The list runs much longer to

Computer . . .

(Continued from page 1)

management information system to specify the goals he hopes it will achieve for him. * * *

IN THE SCHOOL of Social Work (including some 500 students, 20 faculty members and 20 undergraduate courses), the first step in establishing UDEANS was to compile an exhaustive list of educational objectives (as stated by faculty, students and administrators).

That list can then be used to characterize students, faculty and courses by having each person score himself on a 5-point scale ranging from "interested" to "not interested." The profile furnishes fundamental data for the information file used in curriculum management.

The system can help generate two types of reports for students: Personalized catalogs of courses and directories of faculty members — both listed in order of similarity to each student's personal interest profile.

Such individualized listings help students locate faculty members and courses suited to their own interests.

Teachers can obtain a personalized course catalog (ordered by similarity to a teacher's interests) and a special summary of education interests for any given group of students.

Administrators receive help from UDEANS in solving a variety of personnel problems. Course assignments can be improved by closer matching of faculty interests and course objectives. This assumes that a faculty member will teach better when his interests coincide with course objectives, Winder said.

* * *

UDEANS can also provide a curriculum review analysis, a statistical summary of the educational interest profiles of students, faculty and courses. Monitored regularly, these reports could help planners spot shifting patterns of interest and need among faculty and students.

In other words, data on what the consumers and producers of higher education say they want from the University may be applied to restructuring the curriculum.

UDEANS can also help administrators review allocation of funds by objectives rather than by department, school or college.

include, at Michigan State, some 500 faculty in more than 100 departments in 14 colleges.

Each year, they help consume nearly 10 million print-out pages and 23 million punched cards on the Control Data Corporation 2600 and 6500 computers in the University's Computer Laboratory.

* * *

THE BIGGEST USERS on the campus, according to charges recorded by the Computer Laboratory, are in the College of Natural Science, where faculty in physics, astronomy and chemistry rely heavily on the computer hours in doing their funded research.

Also ranking high in computer use are the Colleges of Agriculture and Natural Science, Social Science, Engineering, and Communication Arts.

Farther down the list but in no way excluded are faculty in such areas as arts and letters (English and history, for examples), University College (social science and humanities), and home economics.

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MORE AND MORE computer users are being directed toward the new CDC 6500, which is up to four times faster than the CDC 3600. But the 6500's forte is its versatility: Remote batch terminals (there are now three on the campus, in physics and astronomy, in chemistry and in engineering), with time-sharing access available on an experimental basis. The 6500 can also be linked with other computer systems, and it soon will be, through the Michigan Inter-university Committee on Information Systems (MICIS), which involves MSU, the University of Michigan and Wayne State University.

THE MICIS program and all other Computer Laboratory developmental programs are coordinated by Julian Kateley Jr., associate director of the laboratory and associate professor of engineering.

Despite its superior capabilities, the 6500 so far has complemented and not replaced the 3600. "The 3600 is actually one of our biggest bargains," says Lawrence W. Von Tersch, dean of engineering and director of the Computer Laboratory. "It has operated on an around-the-clock basis, and it is completely stable."

While the 3600 and 6500 systems are separate, they comprise a single service in the Computer Laboratory, and a user can normally specify a system for his computing task.

* * *

BECOMING A computer user is a simple process.

An "Application for Computer Services" is filled out by a faculty member, signed by the department chairman or dean and by a representative of the Computer Lab.

Once his request is approved, the user is assigned a problem number and issued a problem number card (PNC), which, like the number on a checking account, identifies the user when he seeks computer time.

The computer won't accept an expired problem number card, but it is thoughtful enough to notify a user 10 days before his card expires.

Priority on the computer goes to faculty doing sponsored research and to those who have short work runs that can "play through" longer problems.

* * *

A VARIETY of services is available to computer users, and they are staffed by about 75 full-time and 55 part-time specialists.

Programming consultants help users with programming errors and diagnostic interpretation. A library of programs is maintained, and chances are high that a user won't have to write a program to perform his tasks.

The laboratory also offers an answering service so users can get progress reports on their jobs, and it publishes a variety of publications, including regular notices, a user's guide and technical bulletins.

ALTHOUGH experienced computer users are plentiful here, the Computer Laboratory "has to be able to satisfy the needs of those who know nothing about computers," says Donald F. Spyke, business manager in the laboratory.

Many users need no help at all in using the computer, he says, but others have neither the time nor the expertise to become involved in working with their programs.

Prospective users in the latter category can get an estimate on the cost of their job from the Computer Lab's applications programming group.

"The trend is toward more people becoming computer-oriented," Spyke says.

Help for users is provided through regular seminars and noncredit courses offered by the laboratory. Also conducted each term is a seminar for users who are bringing computer programs to MSU from other campuses.

Other laboratory services include a keypunch service, a punched card preparation room with equipment for reproducing, interpreting and listing decks, and a continuous forms copier which takes the 14-inch by 11-inch computer output sheets and reduces them to 8½ by 11.

THE COMPUTER Laboratory's pay

Committee named to study future campus computer needs

In little more than a decade, Michigan State has outgrown two computer systems, and it may soon outgrow a third.

MISTIC (Michigan State Integral Computer) began operations in 1957 and was dismantled in 1963 when the Control Data Corporation 3600 was installed in the Computer Laboratory.

The 3600, while it still operates 5½ days a week, has been surpassed in capability and function by the newer CDC 6500, installed in the fall of 1968.

The 6500 system, which cost about \$3.5 million, was financed in part by a \$1.2 million grant from the National Science Foundation. It was selected following a process that involved contacting six computer vendors and that consumed nearly a year.

Now a new computer system will be needed in a few years, predicts Lawrence W. Von Tersch, director of the Computer Laboratory.

Future computer needs on the campus are now being studied by an ad hoc committee to prepare recommendations on all-University organizational structure for computer problems.

The committee, named last month by President Wharton, is chaired by Milton E. Muelder, vice president for research development. Its secretary is Charles Wrigley, director of the Computer Institute for Social Science Research.

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IN APPOINTING the committee,

policy, which was modified in December, says that each college will assume "a specific percentage of the total costs of its faculty, graduate student and undergraduate research (whether supported by the University or by an outside agency)." That figure for this year is 25 per cent.

The provost's office, through its funds and investment in the laboratory, pays the other 75 per cent of the costs incurred by each college, 100 per cent of all service to undergraduate classes. It also pays 100 per cent of the costs for any college which uses less than \$4,000 worth of services annually.

An hour on the 3600 costs \$245. An hour on the 6500, which involves several factors for billing purposes, is higher, but the machine's greater speed usually makes its time more economical to the user.

Pricing, priorities and other Computer Laboratory policies are set by the Computer Advisory Committee, chaired by Von Tersch. Other members include: Virginia Beauchamp, textiles, clothing and related arts; Paul L. Dressel, Institutional Research; Harry A. Eick, chemistry; Carl W. Hall, agricultural engineering; John W. Hoffman, engineering research; Horace C. King, registrar; Richard J. Lewis, marketing and transportation administration; Milton E. Muelder, School for Advanced Graduate Studies; Arthur Sherbo, English; Roger C. Stimson, Justin Morrill College; Scott Swisher, human medicine; John Vinsonhaler, Human Learning Research Institute; Willard Warrington, Evaluation Services; Roger E. Wilkinson, University Business Office; Charles F. Wrigley, Computer Institute for Social Science Research.

— GENE RIETFORS

MSU Faculty News

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MEMBERS OF the committee, which meets each Wednesday, are: Muelder; Wrigley; Harry Eick, chemistry; Horace King, registrar; Frank Martin, data processing; Stephen Terry, Office of the Vice President for Business and Finance; and L.W. Von Tersch, director of the Computer Laboratory.

Martin is director of data processing, which serves the University Business Office, student records and other administrative data processing needs.

Faculty honors, projects

(Editor's note: Because of space limitations, it is no longer possible to assure publication of all items submitted for inclusion in this section. We therefore shall attempt to publish those items that are considered to be of distinctive interest or importance, such as professional or special recognition, major addresses or lectures, significant publications, or election to professional office. This would exclude most technical papers presented and most journal articles published.)

ALVIN E. LEWIS, professor of pathology, is the author of "Principles of Hematology" (Appleton - Century Crofts). It is a textbook for medical students and graduate students in medical technology.

MAX T. ROGERS, research professor of chemistry, has been elected chairman of the American Chemical Society's Division of Physical Chemistry.

GEORGE A. BRANAMAN, professor emeritus of animal husbandry, has been named a fellow in the American Society of Animal Science. Branaman, who retired in 1961, was recognized for more than 25 years' contributions to animal science.

RALPH F. TURNER, professor of police administration and public safety, has won a grant from the National Science Council of the Republic of China, and is now national visiting professor at the Central Police College in Taipei, Taiwan. Turner also had a recent one-man exhibition of photographs at the Leland Art House in Taipei.

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EDWARD D. GRAHAM, assistant professor of humanities, presented a paper, "The Period 1784-1840 in Studies of American - East Asian Relations" at the American Historical Association's Committee on American - East African Studies Conference in Cuernavaca, Mexico.

CLAYTON SHORKEY, assistant professor of social work, is coauthor of "Power Motivation in Male Paranoid Children" in the November issue of Psychiatry.

HERBERT J. OYER, professor and chairman of audiology and speech sciences, has received a citation from the Greater Lansing Coordinating Committee for the Handicapped, honoring him for "outstanding work in developing services for the handicapped in mid-Michigan."

JOHN MURRAY, associate professor of journalism, wrote an article on techniques of editorial writing for the winter issue of The Masthead, a publication of the National Conference of Editorial Writers.

DANIEL W. STURT, professor of agricultural economics, participated in the National Farm Labor Conference, sponsored by the U.S. Department of Labor, in Las Vegas.

KENYON T. PAYNE, professor of crop and soil science, was a senior consultant to the Ministry of Agriculture of Brazil, helping design a federal agricultural research program in two states.

JEAN D. SCHLATER, professor of family and child sciences, is executive director of a national project to establish long-term research goals in home economics. It is sponsored by the Association of Administrators of Home Economics, a division of the Association of State Universities and Land-Grant Colleges.

A book by G.R. Carter, professor of microbiology and public health, was recently published in Spanish by Editorial Acirbia of Zaragoza, Spain. The book is "Diagnostic Procedures in Veterinary Bacteriology and Mycology."

FAUZI M. NAJJAR, professor in social science and Justin Morrill College, presented a paper on "Tradition of Political Philosophy in Islam" at the Middle East Center, University of Utah.

VICTOR N. PAANANEN, assistant professor of English, is author of an article, "Byron and Caves of Ellora," in the November Notes and Queries.

FRANK SENGER, chairman of the School of Journalism, was chairman of an American Council on Education for Journalism accrediting team that visited Brigham Young University.

H. S. GREEN, professor of mathematics, chaired a session and presented a paper on "Energy Levels and Properties of Quasi-Metals" at the International Symposium on Atomic, Molecular and Solid-State Theory in Sanibel Island, Fla.

EDGAR M. PALMER, assistant professor of mathematics, presented a paper at the American Mathematical Society meeting in San Antonio, Texas.

RICHARD E. PHILLIPS, associate professor of mathematics, published "f-Systems in Infinite Groups" in the Archiv Dev Mathematik.

JACOB PLOTKIN, assistant professor of mathematics, published "Generic Embeddings" in the Journal of Symbolic Logic.

B.M. Stewart, professor of mathematics, spoke for Kappa Mu Epsilon recently at Albion College. His topic: "Doughnuts with Regular Faces."

CHANG-YI WANG, assistant professor of mathematics, published "Lateral Vibration of a Rotating Shaft in a Viscous Fluid" in the Journal of Applied Mechanics.

P. K. WONG, associate professor of mathematics, published "Bounds for Solutions to a Class of Nonlinear Second-Order Differential Equations" in the Journal of Differential Equations.

CORLISS ARNOLD, associate professor of music, presented a recent organ recital at the First United Church in Grand Rapids.

CARL BAAR, assistant professor of political science and James Madison College, presented a paper at the Institute of Social and Economic Research, University of the West Indies in Kingston, Jamaica.

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R. D. SPENCE, professor of physics, is coauthor of "Nuclear Resonance Determination of the Magnetic Space Group of CsMnCl (sub-3) 2H (sub-2) O" in a recent Journal of Chemical Physics.

P.S. SIGNELL, professor of physics, is coauthor of a paper, "Proton-Proton Bremsstrahlung Calculations" in a recent issue of The Physical Review.

C. R. GRUHN, associate professor of physics, is coauthor of "Nuclear Surface and Inelastic Proton Scattering" in a recent Physical Review Letters.

JACK BASS, associate professor of physics, recently delivered two lectures on "Quenching Tungsten in Superfluid Helium" at the Brookhaven National Laboratory and at Columbia University.

LINDA WAGNER, associate professor of English, wrote an essay on William Carlos Williams in the current issue of The Novel.

DAVID D. ANDERSON, professor of American Thought and Language, is author of "The Mushaira" and a review, "Shah Abdul Laitif of Bhit" in the current Literature East and West.

ALBERT P. LINNELL, professor and chairman of astronomy, presented a paper at the winter meeting of the American Astronomical Society in New York City.

M. Z. v. KRZYWOBLOCKI, professor of mechanical engineering,

presented a paper on "The Relativistic Fluid Dynamics in Non-Vacuo" at the American Mathematical Society in Ann Arbor. He also published "Mathematical Aspects of Re-entry Supersonics of Blunt Bodies" in the Journal of Mathematical and Physical Sciences.

G. C. Shephard, visiting professor of mathematics, is coauthor of "Convex Polytopes" in the Bulletin of the London Mathematical Society.

F. J. BLATT, professor and chairman of physics, attended the International Conference on Electronic Density of States at the Bureau of Standards, Gaithersburg, Md., and the annual meeting of the Review Committee for the Solid State Science Division of the Argonne National Laboratory.

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OSCAR TOSI, associate professor of audiology and speech sciences, presented a paper he coauthored, "Pauses and Circadian Rhythm," at the 78th meeting of the Acoustical Society of America in San Diego. He also reported on the organization for the 1971 International Congress of Phoniatrics at the convention of the American Speech and Hearing Association.

ROBERT N. SINGER, associate professor of physical education, published "The Way It Is" in a recent issue of The Physical Educator. He also published "Personality Differences Between and Within Baseball and Tennis Players" in The Research Quarterly, and presented a paper at the Michigan Association for Health, Physical Education and Recreation State Convention.

LAWRENCE T. ALEXANDER, acting director of the Learning Service, and Stephen L. Yelon, assistant director, Learning Service, and assistant professor in education, wrote an article, "The Use of a Common Experiential Referent in Instructional System Design," for Educational Technology.

WILLIAM CHAMBERLAIN, assistant professor of American Thought and Language is the author of "The Emersonianism of Robert Frost" in a recent issue of the Emerson Society Quarterly.

JAMES V. BECK, associate professor of mechanical engineering, presented a paper on parameter estimation at the American Society of Mechanical Engineers winter meeting in Los Angeles.

EUGENE D. HUDDLESTON, assistant professor of American Thought and Language, published an article, "Poetical Descriptions of Pennsylvania in the Early National Period" in The Pennsylvania Magazine of History and Biography.

HAROLD S. JOHNSON, associate professor, Justin Morrill College, and Baljit Singh, assistant dean of social science and associate professor, political science, are coauthors of "International Organization: A Classified Bibliography," published by the MSU Asian Studies Center.

MARVIS RICHARDSON, associate professor of microbiology, is the author of an article in a recent issue of Immunology.

EDWARD BLACKMAN, assistant dean of the University College and professor of humanities, is the author of an article on general education in the recently published 4th edition of the "Encyclopedia of Educational Research" (Macmillan, 1969).

NORMAN MILLER, professor of political science, is the author of "Research in Rural Africa," published

by the East African Publishing House and the MSU African Studies Center.

ALEXANDER DYNNIK, assistant professor of German and Russian, is the author of "A. I. Kuprin: An Essay of his Life and Work," published by I. Baschkirzew Buchdruckerei in Munich, Germany. A. I. Kuprin was a prominent Russian writer at the turn of last century.

VICTOR H. NOLL, professor emeritus of education, is the author of "The Preparation of Teachers at Michigan State University" (MSU College of Education, 1969). It traces the college from its roots in the early 1900's to its current place as a leading producer of teachers.

DAVID D. ANDERSON, professor of American Thought and Language, has written "Abraham Lincoln" (Twayne Publishers, 1969), a study of Lincoln as a writer.

HERBERT JOSEPHS, associate professor of romance languages, is the author of "Diderot's Dialogue of Gesture and Language," published this year by the Ohio State University Press.

ROLLIN SIMONDS, professor of management, is coauthor of "Human Resources Administration: Problems of Growth and Change," published in 1969.

ARTHUR SHERBO, professor of English, has written "Studies in the 18th-Century English Novel," published this month by the MSU Press. It is a collection of essays on such novelists as DeFoe, Fielding and Richardson.

FAUZI M. NAJJAR, professor of social science and Justin Morrill College, chaired a panel on "Marxist Thought in the Middle East" at the third annual Conference of the Middle East Studies Association in Toronto, Canada.

EMANUEL HACKEL, professor and chairman of natural science, has won the Emily Cooley Award, given by the American Association of Blood Banks in recognition of his research on Rh and other blood factors.

CAROLYN J. MATZKE, assistant professor of classics, is the author of an article in the December issue of Mnemosyne, a journal published in Amsterdam, Holland. The article deals with textual criticism on Lucan, a Roman poet.

NICOLAAS LUYKX, associate professor of agricultural economics, chaired a recent New York meeting of the Rural Development Seminar of the Southeast Asia Development Advisory Group. The session concerned the social impact of new technologies on Southeast Asian agriculture.

SHELDON CHERNEY, associate professor of continuing education, has been elected chairman of the Adult Education Association section on international affairs.

JAMES B. BEARD, associate professor of crop and soil sciences, served as chairman of the First International Turfgrass Conference in Harrogate, England. He was also elected to the conference executive committee.

FLOYD G. PARKER, professor of education and continuing education, was reelected chairman of the Adult Education Association - USA Commission on Planning Education Systems, Facilities and Environment.

WILLIAM LAZER, professor of marketing and transportation administration, served as visiting Ford Foundation Professor at the University of Western Ontario. He conducted seminars in the Graduate School of Business Administration.