

Proposed pay raises outlined

Guidelines for the distribution of proposed faculty and staff pay raises were outlined to deans, directors and department chairmen last week by the Provost's Office and the Personnel Office.

The proposed increases, which would be retroactive to July 1, are pending approval of the Board of Trustees at a special meeting Aug. 22.

If approved, the faculty will receive an average 6 per cent salary increase and fringe benefit improvements.

Included in the increase are adjustments to correct individual anomalies discovered in some departments, and adjustments to five units to bring them into line with other Big Ten institutions. The 6 percent figure, therefore, is

not an across-the-board figure, rather it is an average based on a flat - amount increase plus a merit increase determined at the college and department level, and the anomaly adjustments.

This distribution method is along the lines recommended by the Faculty Affairs and Faculty Compensation Committee.

Under the plan, each faculty member who is expected to remain on the staff and whose annual salary is \$10,000 or above, would receive a flat \$400 increase in addition to any anomaly adjustment.

The remaining dollars allocated to each college would be used for merit increases, distributed along guidelines

established by advisory units at each level and the recommendations of unit administrators, and for promotion adjustments.

All merit raises are to be determined without consideration for any anomaly adjustments which might also be made.

The individual anomaly adjustments, which will total \$330,000, involve faculty members who have not kept pace with departmental colleagues for reasons other than professional qualifications or performance.

These adjustments are based on a review of individual faculty salaries similar to that which resulted in 118 women receiving special pay increases last year. The review this year includes men as well as women.

A recent study of all Big Ten institutions identified the five units that will receive additional adjustments, totaling \$70,000, to bring them closer to parity with the other universities.

A similar flat - amount plus merit increase plan would be used to distribute an average 6 percent increase to administrative - professional employees. The plan is patterned after Administrative - Professional Association recommendations.

All A-P employees would receive a minimum \$400 increase, and most would receive such merit increases as may be determined by the administrators of their units.

The exceptions include those who are receiving the maximum salaries for their classifications as determined by the Hayes Study of A-P compensation and classification earlier this year.

Those employees would receive either the minimum \$400 fixed amount, or a percentage increase not to exceed 4 percent. They will not be eligible for merit increases. Thus, all would get at least a \$400 increase but none would get more than 4 percent of the present salaries.

This formula is the first indication of how the University will handle A-P's at the top of their classifications - a question many A-P's had when the Hayes Study was completed.

University officials say, however, that this method is not rigid and may be altered in future years. One factor that applies this year but not necessarily in succeeding years, is that ceilings for each classification will not be adjusted upward according to the percentage increase of all salaries, since they were established only a few months ago to serve as a starting point for the new classification system.

Clerical - Technical employees would receive an across - the - board 6 percent increase.

In addition to the salary increases, A-P and C-T employees will receive improved fringe benefits. (See MSU News - Bulletin, July 26.)

MSU News - Bulletin

Vol. 4, No. 36

Michigan State University

Aug. 9, 1973

Tuition hike to be recommended

Tuition increases of \$1 per credit hour for in - state students and \$2 for out - of - state students have been recommended by the administration to the Board of Trustees.

According to President Clifton R. Wharton, Jr., writing in a "Point of View" column for the State News yesterday, the tuition increase is necessary to help offset an estimated \$2 million deficit in the 1973 - 74 budget.

The announcement of the proposed increase of about 7 per cent came a week after the University of Michigan Board of Regents approved a 24 percent tuition hike for the coming academic year, largely because of the effect of court rulings on U - M's formula for determining in - state status for tuition purposes.

Since MSU's residency requirements appear in line with the court rulings, the impact may not be as great here. Nevertheless, students gaining in - state status at MSU during the coming year could cost the University an estimated \$600,000 in student fees.

Most other state universities and colleges anticipate tuition or fee increases also approximating 7 percent, although many still await board action.

Western Michigan University, Central Michigan University, Ferris State College and Grand Valley State Colleges have all approved increases.

Wayne State University, which had an 8 percent increase last year, does not anticipate a tuition hike, but students will be assessed a \$1 per credit hour fee to cover the operation of the school's University Center Building.

MSU's share of the state higher education appropriation amounted to \$77,325,100 to the general fund, \$6,560,000 for the Agricultural Experiment Station, and \$5,722,000 for the Cooperative Extension Service.

Cut from the appropriation before it reached the governor's desk was funding for the proposed MSU law school, which could have enrolled its first class in January had money been available.

The general fund appropriation represented an increase of \$6.8 million over last year. Of that amount, \$4.6 million would be utilized for salary increases and fringe benefit improvements, and \$2.2 million for academic commitments, including \$1.8 million earmarked by the Legislature for

the Colleges of Human and Osteopathic Medicine.

The estimated deficit of about \$2 million in expenditures over revenues would result from known and

anticipated increases in utilities costs, plant maintenance, Social Security and minimum wage hikes, and inflation, among other factors.

Despite cost - cutting where it would not affect academic quality, the University administration said the proposed tuition increase was the only avenue open to secure sufficient funds to balance the budget.

The tuition hike would put in - state rates at \$16 per credit hour for undergraduates and \$17 for graduate students. Out - of - state undergraduates would pay \$36 per credit hour and graduate students \$37.

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Summer fun

Photo by Dick Wesley

Learning English hard work

"Point to yourself."

The students, without exception, point to their noses.

It's a small thing, but it's a good example of the differences between cultures. Americans would have pointed to their chests.

But the students aren't Americans. They are Japanese and they have names like Yazawa, Shimogoori and Nagai. The majority of them are English teachers in Japan.

"Repeat after me. It."

"It."

"Eat."

"Eat."

"I learned to read and write in Latin."

"I learned to . . ."

It's hard work and the students sit on the edges of their chairs, straining to hear and repeat the differences between words such as bond and band, this and these. Many have tape recorders capturing these lessons they have come so far to learn.

Most of them have paid the approximately \$1,200 for this trip out of their own pockets.

There will be 75 Japanese on campus through most of August taking the intensive courses administered by the English Language Center. They are from two separate groups.

The Council on International Educational Exchange, based in New York City, has coordinated the stay of 41, all of whom teach English in Japan. They arrived in New York City for orientation and then visited Washington,



With tape recorders at their feet, a group of Japanese strain to hear and repeat the English words and phrases their American instructor is saying. The students, many of them English teachers in Japan, are on campus for an intensive course in improving their English.

D.C. before leaving the larger group to come to MSU for four weeks.

MSU is one of eight campuses in the country to participate in the program, this being the fifth year it has taken part. Participants are staying in the Mason - Abbott residence halls.

After their intensive four - week

course in English and the related American culture, they will go to South Dakota where each member of the group will stay with a different family for three weeks. In late September they will return to Japan.

Meanwhile, another 34 students and two leaders are staying in Campbell Hall

as part of a program organized by the Toyko - based English Language Education Council, Inc. Although there are 26 secondary school teachers in this group, there are also businessmen, students and housewives here to improve their English.

The second group is spending three weeks here, and will then visit New York and Washington, D.C. before returning home.

In a meeting last week, the students were warned that when they visit New York they are going to hear English that doesn't sound exactly like that in the Midwest.

Shigeo Imamura, associate professor of English and an expert in teaching English as a second language, imitates a New York accent for the class, then sets them laughing with his imitation of a Southern accent.

Imamura, who is directing the program on campus, gives them some insights into Americans in his introductory lecture. Although most of them teach English, for most of them this is the first trip to a country where English is spoken.

Americans, he tells them, are very flattering, sometimes too flattering. "They will say, 'My, that's a pretty dress.' It's not a pretty dress, it's just an ordinary dress."

Americans, they also learn, smile when they say hello and look one another directly in the eye when they talk to each other.

— JANET MARSH

MSU Positions Available

IMPORTANT: Administrative - Professional and Clerical - Technical applicants should contact the Employment Office at 353-4334 by August 14, 1973 and refer to the vacancy by the position number. Fuller descriptions of positions are available in departmental postings. Instructional staff applicants should contact departments noted.

FACULTY

Instr. or Asst. Prof. in Sch. of Journalism (M.A. in Mass Media) Advising yearbook, and teaching photojournalism; also desirable ability in teaching graphics and production.

Contact: George A. Hough III
School of Journalism

Director, University Regional Consortium Center, to be located in Grand Rapids, Michigan. The Director will coordinate the planning and administration of the off-campus program for three state universities. Qualifications include: a graduate degree, administrative experience in higher education, experience of working with community groups, experience in budget management and personnel direction, and skilled communicator.

Contact: Extension Service
412 Maynard
Ann Arbor, Michigan 48103

Attn: A. W. Storey

ADMINISTRATIVE - PROFESSIONAL

655. Systems Programmer 11 — Install and maintain existing computer operating systems and develop and adapt general purpose software packages to support the application programs of a computer installation. Bachelor's degree or an equivalent combination of education and experience is necessary. Considerable experience in writing programs in an assembly level language is necessary. Some experience as a programmer or programmer analyst is necessary. \$11,200 - \$15,700.

656. Manager Food Service 10 — Manages the financial, personnel, and operational activities of a University food service facility.

Prepares food and labor cost analysis. Responsible for all food service operations in a cafeteria and snack shop in a residence hall. Instructs and supervises personnel engaged in food preparation, handling, storage, sanitation and distribution. Resolves food service problems. Conducts functional and administrative supervision over support staff. Bachelor's degree in Food Preparation and Service or the equivalent combination of education and experience is necessary. Reasonable knowledge and experience in modern management principles, practices, and methods is necessary. \$10,300 - \$14,500.

CLERICAL - TECHNICAL

657. Senior Animal Husbandry Technician X — Responsible for the operation and maintenance of a fermentation laboratory consisting of three fourteen liter bench model fermenters; seven 1,000 gallon fermenters with allied equipment and controls. Responsible for the operation and maintenance of a 25 horsepower steam generator. Ability to operate an industrial evaporator and spray dryer. Must be physically able to lift heavy objects such as carboys. BS degree in Science with course work in Inorganic Chemistry, Organic Chemistry and Bacteriology. \$9,511 - \$11,816.

658 - 659. Senior Food Supervisor IX (2 vacancies) — Supervises food preparation and service operations in a residence hall. Supervises and coordinates the activities of kitchen and dining hall personnel. Supervises the storage of foods and disposition of wastes. Maintains foods and supplies inventories. Willing to work some weekends. Bachelor's degree in HRI or practical equivalent desired. \$8,887 - \$11,086.

660. Food Production Supervisor IX — Supervises preparation and production of food in a large residence hall operating a cash cafe and grill. Directs cooks, bakers and other kitchen employees in volume preparation of meats, pastries, vegetables, fruits and salads. Must be completely familiar with food ordering, inventory, storage and production standards and techniques. Bachelor's degree in HRI or practical equivalent desired. \$4.27 - \$5.33 hour.

661. Audio Visual Technician I VIII — Fabricates, assembles, modifies and maintains projection equipment, films, amplification equipment, tape recorders, and other related audio visual equipment used in classroom work and research. Working knowledge in electronics. Two years practical experience. Prefer graduate of technical school in electronics. \$3.81 - \$4.88 hour.

662. Crop Science Aide VIII — Should have a BS degree in Agriculture with training in Crop and Soils. Should have a farm

background and have had considerable experience in farm operations. Should have experience in operating farm equipment such as a tractor, combine, and corn picker. Experience in Field Plot techniques, insecticides, herbicides and fungicides. Should be able to supervise additional labor during the summer months. \$7,921 - \$10,151.

663. Crop Science Aide VIII — Assist in conducting experiments on plant growth and photosynthesis of whole plants and part of plants. Should have at least 2 years of college training or equivalent in experience in plant science or biology. A knowledge of plants and crop production, ability to work with others handle chemicals responsibly, and able to learn to handle equipment ranging from farm machinery to laboratory instruments. Reliability and accuracy in data collection are absolute requirements. \$3.81 - \$4.88 hour.

664. Horticulture Assistant VII — Assists with soil tillage and cultural practices related to vegetable and fruit experimental plots. Plows, fertilizes, cultivates and irrigates. Operates all types of farm equipment. Must have knowledge of farming methods and procedures. Must understand experimental and research plots and experience is desirable. Able to take care of greenhouse experiments and record data of same. \$3.39 - \$4.22 hour.

665. Senior Departmental Secretary VII — Secretary to the Departmental Chairman with additional responsibility to the Executive Secretary. A responsible person with ability to organize. Must be excellent typist with experience in office machine dictation. Position includes typing of correspondence, manuscripts, grants, etc., scheduling meetings, and an ability to work with the public. \$7,060 - \$8,768.

666. Principal Clerk VI — Excellent typist with capability of learning to operate IBM Stand Alone Composer (a modification of a Selectric typewriter — IBM training arranged). Experience in a publications or printing office very helpful. Operates composing machine and works with graphic coordinator, handling printing orders and records, graphics services billing and correspondence. Also assist departmental secretary as needed. \$6,822 - \$8,531.

667. Food Supervisor VI (1/2 time) — Prefer person with extensive quality food service experience. Must know quality food and production methods. Hours variable Monday - Friday. No evenings or weekends. Twenty hours per week. Primarily will be responsible for quality control in both cafeteria and bake shop. \$3.28 - \$4.10 hour.

668. Departmental Secretary V —

Excellent typist. General office work. \$6,643 - \$7,832.

669. Departmental Secretary V — Good typist. Knowledge of shorthand and bookkeeping helpful. \$6,643 - \$7,832.

670. Departmental Secretary V — Good typing and shorthand. Public contact. Work for four staff members. \$6,643 - \$7,832.

671. Senior Clerk - Stenographer V — Good typing and shorthand skill. Receptionist and telephone work. \$6,643 - \$7,832.

672. Senior Clerk-Typist V — Excellent typist for manuscripts. Transcribing machine experience. \$3.19 - \$3.76 hour.

673. Senior Clerk - Typist V - Average typist. Math ability. General office work. \$6,643 - \$7,832.

674. Senior Accounting Clerk V — Average typist. Payroll work. Prepare food and labor reports. \$6,643 - \$7,832.

675. Data Preparation Operator V — Keypunch operator. Aptitude in math. \$6,643 - \$6,832.

676. Senior Teller IV (2 vacancies) — General teller experience preferred. Good typist. \$6,079 - \$7,342.

677. Senior Clerk IV — Type 60 wpm. Work for several professors. \$6,079 - \$7,342.

678. Senior Clerk IV — Type 50 wpm. Public contact receptionist. \$6,079 - \$7,342.

679. Accounting Clerk III — Type 40 wpm. Operate microfilmer and posting machine. \$5,842 - \$6,956.

680. Clerk - Stenographer III — Accurate typist, 60 wpm. Operate duplicating machine. \$5,842 - \$6,956.

681. Clerk - Typist II (3 vacancies) — Type 50 wpm. Accurate math. General clerical. \$5,766 - \$6,807.

682. Clerk I — Typing, bookkeeping, phones, and sales counter work. \$2.70 - \$3.15 hour.

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Deadline

The final summer issue of the News - Bulletin will be published on Friday, Aug. 24. Items for the Calendar of Events covering the period from Aug. 24 through Sept. 20, should be submitted to Janice Hayes, Department of Information Services, 109 Agriculture Hall, by noon, Tuesday, Aug. 21.

MSU News-Bulletin

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Calendar Editor: Janice Hayes

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Deaths

DONALD K. MARSHALL, 63, associate professor emeritus of philosophy, died July 30 at a Lansing hospital after a long illness. He was a graduate of Elgin Academy, and received his master's and doctoral degrees from the University of Chicago. He joined the MSU faculty in 1950 and retired in 1968. He willed his body to the College of Human Medicine.

GUY G. SPECKER, 92, professor emeritus of mathematics, died Aug. 3 in a Lansing hospital. Specker joined the faculty in 1912 and served for 35 years before his retirement in 1947.

ROBERT SLEE, 50, herdsman for the MSU farms, died July 27. He had been an employee of the University for 22 years.

CLARE R. BUTLER, 66, a retiree of the Division of Dormitories and Food Services, died July 15. He was employed by the University from 1940 until his retirement in 1960.

JOHN BROTZMANN, 69, a member of the athletic staff for 24 years before his retirement in 1972, died Aug. 5 in Florida. Brotzmann served in a number of coaching capacities, including head coach of MSU boxing and golf teams. He became the first manager of Forest Akers Golf Course in 1957.

JOHN C. KREMER, 83, an instructor in the Department of Horticulture from 1923 until his retirement in 1953, died July 1.

CARRIE KEITZEN, 76, a retiree of the Division of Dormitories and Food Services, died Aug. 3. She worked for the University from 1946 to 1959.

SEGO CHAPMAN, 76, a retiree who worked in Mason - Abbott Halls from 1949 to 1965, died Aug. 4.

Foundation officers named

The operation of the Michigan State University Foundation is formally underway with the appointment of 16 members to the Board of Directors and the election of officers.

The newly-incorporated foundation was created earlier this year to help provide support for the goals and objectives of the University, and to distribute funds in support of MSU academic and research programs.

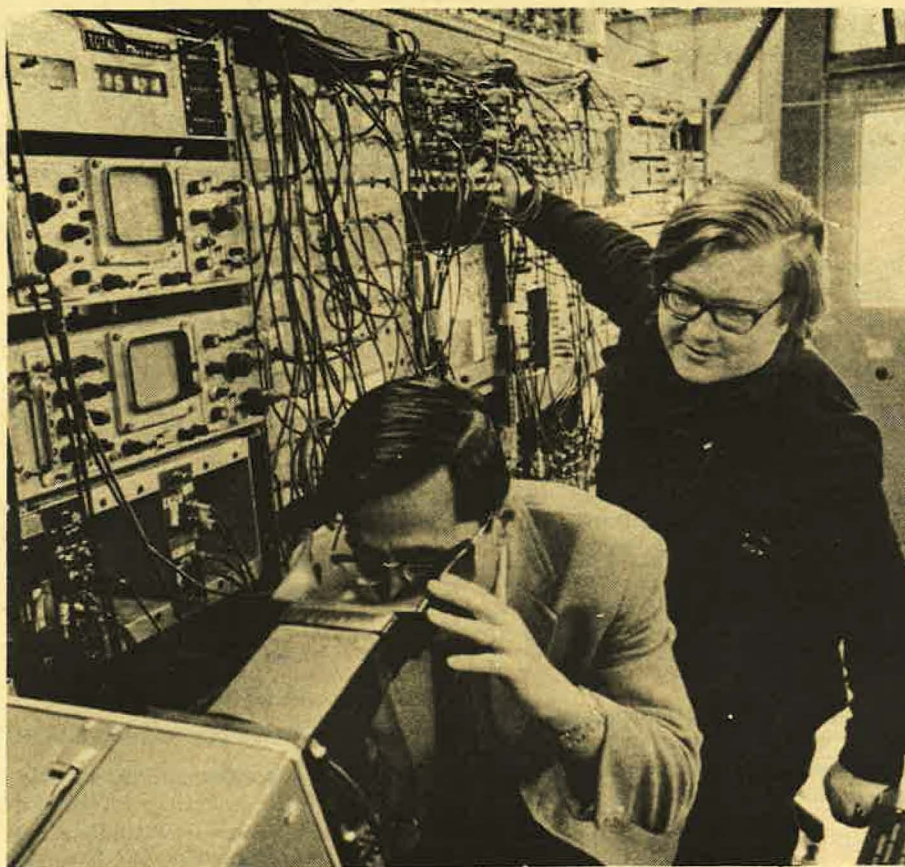
Clare F. Jarecki, president, and chairman of Jarecki Corp. of Grand Rapids, was elected chairman of the foundation's board.

Vice-chairmen are President Clifton R. Wharton, Jr., and Catherine Cobb, of Tecumseh.

Other officers are Edward E. Rothman, Bloomfield Hills, secretary; Leslie W. Scott, MSU vice-president for development, assistant secretary; and Roger E. Wilkinson, MSU vice-president for business and finance, treasurer.

Other members of the foundation board are MSU Trustees Patricia Carrigan, Jack M. Stack, Kenneth W. Thompson and Warren M. Huff; MSU Executive Vice-President Jack Breslin; Professor Russel B. Nye; Gladys Olds Anderson, chairman of the board of the R.E. Olds Company; Claud Erickson, general manager of the Lansing Board of Water and Light; Elton R. Smith, president of the Michigan Farm Bureau; and Lester Tiscornia, president of Auto Specialties Manufacturing Co., St. Joseph.

Assistant Professor Benedict Y. Oh (front) and Research Associate William A. Morris monitor the output from a radio frequency mass separator at Argonne National Laboratory near Chicago. Oh and Morris are two of five members of the MSU Physics Department working on a two-year project involving the study of the fundamental particles of the structure of matter. MSU high energy physicists have been using the research facility since 1967, and the University is formally associated with the laboratory through the Argonne Universities Association, a consortium of 30 midwestern educational institutions.



Beef shortage may prove healthy

Stop complaining. If you're like most Americans, those rising food prices and the shortage of beef are going to hurt your wallet, but not your health very much.

In fact, you may find yourself eating more sensibly.

"I can't get too excited over it (the rising prices and the temporary shortage of beef)," said Anita C. Dean, associate professor of food science and human nutrition with the Cooperative Extension Service, "when you consider obesity is the major nutritional problem in the United States."

Besides, she added, there is no protein shortage in this country. Mrs. Dean said that most Americans are eating about 100 grams of protein a day, some 40 more than are needed.

"I also think we have to put food prices in perspective," she said, citing the money spent on such things as snowmobiles.

Her thoughts are echoed by Laurence G. Harmon, professor and associate chairman of food science and nutrition.

"Food has been underpriced for some time," he said. "We won't ever again see a ratio of income to the price of food like it has been in the last 15 to 20 years."

The most recent figures from the federal government, which were issued in May, indicate that a young couple can eat a balanced diet for between \$22 and \$34.80 each week.

Likewise, a couple with two pre-school children should expect to pay between \$32 and \$50; a couple with two children in elementary school, between \$37.20 to \$58.60; and an elderly couple, between \$18.10 and \$28.50.

Mrs. Dean believes that many people are going to complain but pay the higher prices for food, especially meat, but she does acknowledge that persons on very tight, restricted budgets may have to change their eating habits.

Even that may be beneficial. The nutritionist says that some people, especially those with lower incomes, have been spending too large a proportion of their food budget on meat.

They have been urged to substitute vegetable, and dairy product protein for a portion of the protein they are presently getting from meat.

For example, considering that an adult needs about 60 grams of protein a day, 3 oz. of cooked lean meat provides about 21 grams. Providing the equivalent amount of protein are 3 oz. cooked boneless poultry, 3 oz. cooked boneless fish, 3 eggs, 3 oz. of cheddar cheese, 1 qt. of milk, 3/4 cup of cottage cheese, 1/3 cup of peanut butter or 1/2 cup dried peas or dried beans.

Mrs. Dean cautions people to watch the calories in food they are substituting for meat.

A colleague of Mrs. Dean's, Portia Morris, has prepared a leaflet called "Pinch Pennies - Not Protein" in which she talks about red meat substitutes and offers 11 recipes such as Savory Fish Stew, Fried Catfish and Hush Puppies and Corn Pudding, all full of protein.

For those people who are refusing to

pay the higher prices for meat or can't find enough beef, Mrs. Dean recommends they send to the U.S. Government Printing Office for the pamphlet, "Your Money's Worth in Foods," Home and Garden Bulletin No. 183 for 50 cents.

Here at MSU, the Bulletin Office has many publications on nutrition, meals and food marketing hints such as "Stretching Your Meat Dollar" and "Plan for Low Cost Meals."

No meat problem foreseen here

While grocery stores and homemakers find themselves scrambling for the diminishing supply of available meat, MSU Food Stores reports it is having no problems.

Robert Herron, Food Stores manager, says there is an adequate

supply of meat on hand to last into fall term.

After the price freeze on beef is lifted Sept. 12 under federal guidelines, Herron said, there will be plenty of beef, but it will cost more.

"There's no question that we will have meat this fall," he said.

MSU has a new zip code

MSU now has its own zip code.

Effective Aug. 15, the University's zip code will be 48824. The code is exclusively for MSU.

The Post Office Department has issued the new number to MSU as part of an effort to improve postal service to the campus. The department said the number should facilitate handling of official mail which, in the past, has been mingled with that being sent to other East Lansing addresses.

Existing letterheads and envelopes should continue to be used until supplies are exhausted.

However, all new orders of University letterhead stationery and

envelopes should include the new zip code, according to John L. Lewis, director of the University Services Materials Management Division.

The only exceptions to the new zip code, Lewis said, will be on mail delivered directly by the post office to faculty and married students housing and to non-University agencies located on campus, such as the U.S. Department of Agriculture offices. These will continue to use the 48823 zip code.

Anyone with questions about the new zip code should contact Clarence Hoffman, supervisor of the University Messenger Service, at 5-8294.

Achievements

HARLAN D. RITCHIE, professor of animal husbandry, will leave for Australia Friday to officiate in that country's three most important cattle shows - Melbourne, Adelaide and Tasmania. He was invited by the Angus Society of Australia.

According to Ron Nelson, chairman of the Department of Animal Husbandry, Ritchie is only the second American to judge Angus cattle in Australia and only the second person from MSU to judge beef cattle overseas.

DUFFY DAUGHERTY, former head football coach, has received the "Distinguished Service Award for Coaching in a University Division" from The Football Writers Association of America. Also receiving the award was Bob Devaney, former MSU assistant and Nebraska head coach.

Daugherty, a featured speaker at the writers' recent annual meeting in Chicago, now serves as special assistant to the vice president for development.

THURSDAY, AUGUST 9, 1973

7:30 p.m. "Nite of Stars"—highlight of the gymnastics workshop held on campus Aug. 5-9. Elementary and high school winners of the clinic competition will perform and the staff will present various acts as entertainment. Admission is \$1.50 for adults and \$1 for children and students. Jenison Fieldhouse.

FRIDAY, AUGUST 10, 1973

8 p.m. "Astrology and the Zodiac" enters the Age of Aquarius and explores the subject of astrology and the lore of its zodiac. The show tells the intriguing history of the ancient practice of astrology and the influence of the stars on human affairs and terrestrial events. Following the 8 p.m. show there will be a brief presentation for skywatchers. Tickets available 30 minutes before showtime. No preschoolers. Abrams Planetarium.

10 p.m. "Astrology and the Zodiac" (see above). Abrams Planetarium.

SATURDAY, AUGUST 11, 1973

10 a.m. The Marching Band Clinic being held on campus will present a series of half-time shows on the intramural fields located between Wilson and Shaw Lanes, near Owen Graduate Center. Six bands will each present a 15-minute half-time show open to the public.

2:30 p.m. "Astrology and the Zodiac" (see Aug. 10). Abrams Planetarium.

8 p.m. "Astrology and the Zodiac" (see Aug. 10). Abrams Planetarium.

10 p.m. "Astrology and the Zodiac" (see Aug. 10). Abrams Planetarium.

SUNDAY, AUGUST 12, 1973

4 p.m. "Astrology and the Zodiac" (see Aug. 10). Abrams Planetarium.

MONDAY, AUGUST 13, 1973

8 a.m. Young Family Day—a day of educational experiences planned to enhance family interaction and strengthen family togetherness. An experimental program instituted by Family Living and 4-H programs of the Cooperative Extension Service in conjunction with the National Association of Extension Homemakers' Council Annual Meeting. Outstanding leaders and resource people include MSU professors, Extension Service specialists and agents, lay leaders, graduate students and other agency representatives. Registration begins at 8 a.m. with a full agenda beginning at 9 a.m. and extending throughout the day. For more information, call Mrs. Imig at 355-7685.

FRIDAY, AUGUST 17, 1973

8 p.m. "Astrology and the Zodiac" (see Aug. 10). Abrams Planetarium.

10 p.m. "Astrology and the Zodiac" (see Aug. 10). Abrams Planetarium.

SATURDAY, AUGUST 18, 1973

9:30 a.m. 4-H State Softball Finals beginning at 9:30 a.m. and extending through 3:30 p.m. at the field behind the Intramural Building. Open to the public.

SEMINARS

THURSDAY, AUGUST 9, 1973

The effect of different dietary proteins on the blood urea nitrogen. Mustaq Ahmad, 12:30 p.m., 206 Food Science. **Food Science and Human Nutrition.**

BULLETINS

FALL ENROLLMENT

All Registration Section Request Forms for students who plan to return for the 1973 fall term are due in the Office of the Registrar, Room 150 Hannah Administration Bldg., no later than Wednesday, Aug. 15.

WOMEN'S IM POOL HOURS The following hours are now effective at the Women's Intramural Building:

Monday through Friday, 10 a.m. - 8 p.m.; Saturday, 11 a.m. - 3 p.m.; Sunday, 1 - 4 p.m. **Pool hours** Monday through Thursday, 11:30 a.m. - 3 p.m. and 5 - 8 p.m. (co-rec); Friday, 11 a.m. - 3 p.m. and 5 - 8 p.m. (co-rec); Saturday, 11 a.m. - 3 p.m.; and Sunday 1 - 4 p.m.

NURSERY SCHOOL

Spartan Nursery School, Institute for Family and Child Study, is accepting children of faculty and staff, as well as children of students, for the 1973-74 school year. Another change this fall will be a new half-day cooperative day care program, which will offer a more concentrated pre-school experience than the traditional 2 1/2 hour-a-day nursery school plan. Children between the ages of 2 1/2 and 5 are welcomed into each program. Further information about the school can be obtained by calling 355-0336, mornings.

An up-to-date recorded capsule summary of campus events is available by dialing 353-4343. For more specific information, please call 353-8700.

The next issue of the Calendar, Aug. 24, will be the last summer issue. It will cover the period through Sept. 20. Information on MSU events may be submitted for possible inclusion to Janice Hayes, Dept. of Information Service, 109 Agriculture Hall. (517) 353-8819. Deadline for submitting information is noon Tuesday, Aug. 21.

9:30 a.m. 4-H Public Speaking Finals beginning at 9:30 a.m. and extending through 3 p.m. in Parlor A of the Union. Open to the public.

10 a.m. Marching Band Clinic half-time shows (see Aug. 11). Intramural fields located between Wilson and Shaw Lanes, near Owen Graduate Center.

2:30 p.m. "Astrology and the Zodiac" (see Aug. 10). Abrams Planetarium.

8 p.m. "Astrology and the Zodiac" (see Aug. 10). Abrams Planetarium.

9:30 p.m. The Observatory will be open to the public from 9:30 to 11:30 p.m. Weather permitting, the 24-inch reflecting telescope will be used for observing celestial objects of current interest. Children under age 13 are welcome if accompanied by at least one adult for each three children.

10 p.m. "Astrology and the Zodiac" (see Aug. 10). Abrams Planetarium.

SUNDAY, AUGUST 19, 1973

4 p.m. "Astrology and the Zodiac" (see Aug. 10). Abrams Planetarium.

6 p.m. "Priorities on Foreign Aid," a speech by former MSU president John A. Hannah delivered to the Grand Rapids Rotary Club in June will be broadcast on WKAR-TV, Channel 23. Hannah is administrator for the Agency of International Development.

MONDAY, AUGUST 20, 1973

3 p.m. There will be three public sessions presented this week in conjunction with the course, "Human Relations in Business." The first, "Mexican-American Women in the World of Work" will include a discussion involving Rey Trevino of WKAR-TV, and representatives of the Lansing Board of Education and "El Renacimiento," the Lansing-based Mexican-American newspaper. 111 Erickson Hall.

TUESDAY, AUGUST 21, 1973

9 a.m. 4-H Horse Show beginning at 9 a.m. and extending through mid-afternoon. There will be eight or nine rings going at one time, with 300 to 400 horses to be shown. Open to the public. Farm Lane and Mount Hope Road.

3 p.m. The second of three public sessions to be presented this week in conjunction with the course, "Human Relations in Business." A discussion of the history and development of the Chicano scene, with emphasis on the local situation, will include the showing of the film, "Yo Soy Chicano," and comments by Rudy Suarez, assistant professor of education; Ismel Villastrigo, chairman of Chicano Students for Progressive Action; and Rene Carbajal, financial aids counselor. 111 Erickson Hall.

WEDNESDAY, AUGUST 22, 1973

3 p.m. The last of three public sessions to be presented this week in conjunction with the course, "Human Relations in Business," concerns the Lansing-based Mexican-American newspaper, "El Renacimiento." The paper's editor, Edmundo Georgi, and his staff, plus Feliciano Mendez Jr. of the Michigan Civil Rights Commission, and Manuel Chiunti, Michigan Department of Social Services, will be featured. 119 Eppley Center.

WEDNESDAY, AUGUST 15, 1973

The biosynthesis of cellulose in developing cotton fibers. Deborah P. Delmer, U. of California, San Diego, 4:10 p.m., 101 Biochemistry. **Plant Research Laboratory.**

CONFERENCES

Aug. 5-10	International Council of Shopping Centers
Aug. 5-11	Hotel Personnel Managers Workshop, Hanover, West Germany
Aug. 6-Sept. 1	Marching Band Clinics, Dormitory
Aug. 7-16	Basic Fire and Casualty Insurance Institute
Aug. 12-18	Hotel Supervisors Seminar, Germany
Aug. 13-16	National Extension Homemakers' Council Meeting, Dormitory
Aug. 13-31	Police Traffic Accident Investigation Training II, Dormitory
Aug. 16-18	Michigan DeMolay State Conclave, Dormitory
Aug. 16-22	American Marketing Association Doctoral Consortium, Dormitory
Aug. 18-23	American Society of Pharmacology and Experimental Therapeutics, Dormitory

All conferences will be held in Kellogg Center unless otherwise noted. Students and faculty members are welcome to attend these continuing education programs. Those who are interested should make arrangements in advance with the Office of University Conferences, 5-4590.