

MIZZOU MONTHLY

A publication of the University of Missouri-Columbia faculty & staff

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Sallee, Robinson, Copenhaver, Clark selected for chancellor's staff awards

The week started off on a high note — about six stories high, when Chancellor Barbara Uehling switched jobs with crane operator Bob Southerland. Then Southerland, who said he had been in Jesse Hall only once before — to pay a parking ticket — switched jobs with the chancellor. Under Southerland's guidance, Uehling successfully scooped her first bucket of coal. And under Uehling's schedule, Southerland decided he wasn't cut out for the frantic pace.

But the highlight of the week was the presentation of the Chancellor's Staff Recognition Awards at 2 p.m. Monday in the Memorial Union Auditorium. After a month of suspense, the winners were announced.

And the winners are:

In the administrative/professional

category:

Percy J. Sallee, senior research specialist in agronomy. Sallee started working for the University in 1969 as a laboratory technician on a wheat cytogenetics project. He began making suggestions for new experiments to assist in the solution of research problems; then began to conduct projects independently.

His nominators pointed out that he is the first person in the world to produce an entirely new grain species: a wheat and barley cross, and has also produced the only wheat-rye-barley hybrid in existence. Although the materials and expertise to produce such a cross have been available to scientists for at least 50 years, Sallee, a UMC staff member without a college degree, was the first to

perform it.

Sallee teaches his cytogenetic preparation techniques to graduate students in the department; students who nominated him said they have high praise for his ability and his friendliness.

And although he is a staff member, Sallee was invited to present a paper at the Fifth International Wheat Genetics Symposium in India and to visit the Weizmann Institute in Israel. He is the only staff member to receive the Sears-Longwell Award for contributions to the study of genetics, and is the co-author of five scientific papers on wheat genetics.

In the crafts/maintenance category:
Bob Copenhaver, groundsman II in the physical plant.

For over 15 years, one nominator said, (Continued on page 6)

Commencement May 10 in Hearnes

Faculty are urged to participate in the UMC Spring Commencement Saturday, May 10 at 10:30 a.m., in Hearnes Auditorium, says Associate Provost Luverne Walton.

Faculty should assemble in the room adjacent to the administration office on the main concourse in Hearnes at 10 a.m. They will be seated in a reserved section adjacent to the stage.

Travel, meal allowance to increase July 1

Beginning July 1, the UM travel allowance will increase from 17 cents per mile to 18.5 cents per mile to correspond with the index used by the Internal Revenue Service. Also, the maximum meal allowance of \$20 per day. traveling University employees will increase to \$23 per day. The new daily maximums are \$5 for breakfast, \$5.50 for lunch, and \$12.50 for dinner.

The changes were approved at the University cabinet meeting April 3.

TODCOMP tour, open house May 7

Students and staff of TODCOMP, the UMC program for Training of the Severely Handicapped in Computer Programming, will hold an Open House May 7.

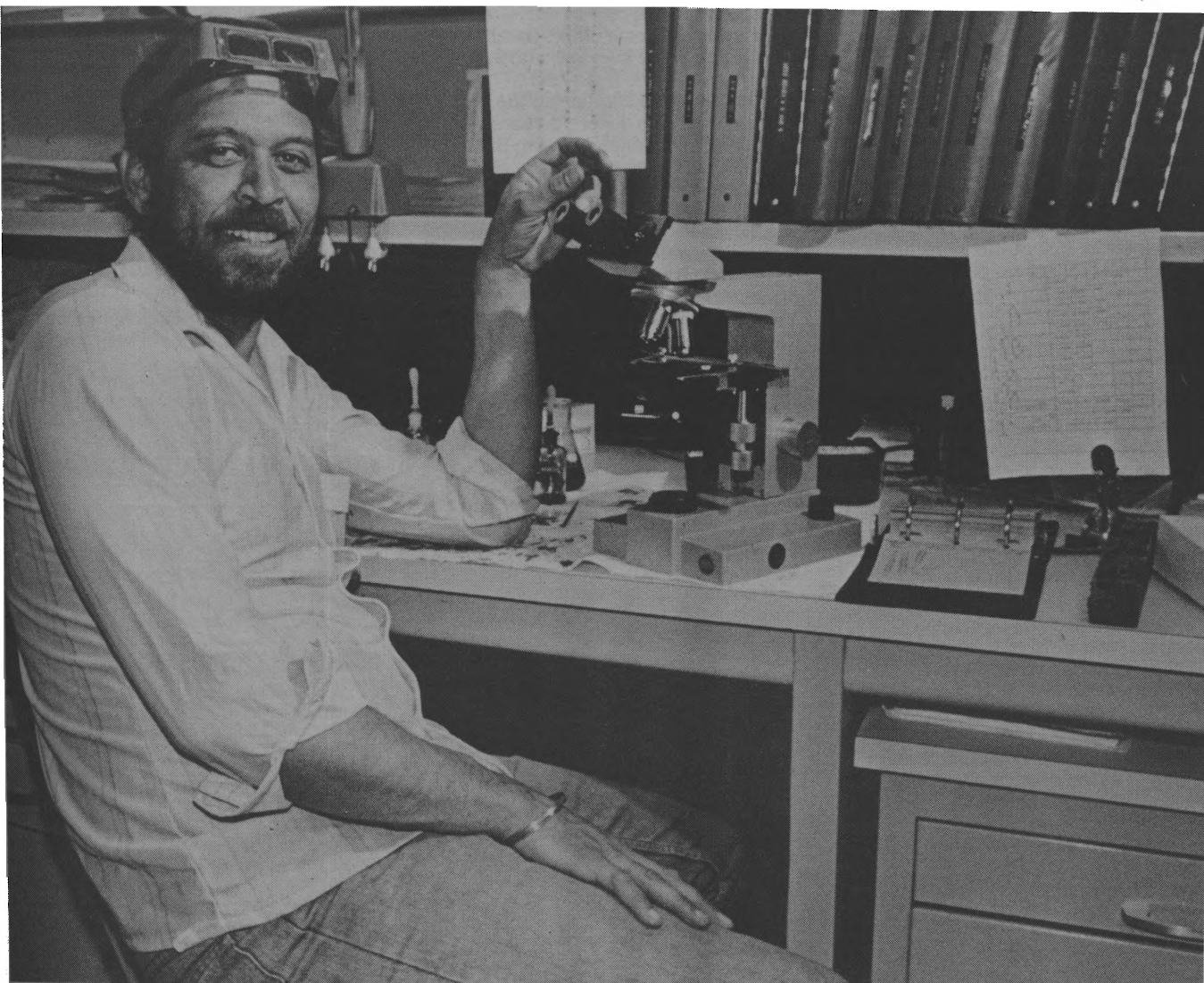
Events, beginning at 2 p.m., will include demonstrations of classroom and independent living skills at the TODCOMP grounds, about ten miles south of Columbia. Buses will leave from the east parking lot of Hearnes from 1:30 to 2 p.m. TODCOMP is located on the University's King Site, a 120-acre property south of Pierpont. The site was renovated for the project in 1979.

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Larry Boehm



Percy J. Sallee, senior research specialist

Announcements

Payroll change not possible now

Is there any possibility that persons being paid monthly will be paid twice a month?

Russell Cook, coordinator of UM Special Projects, says there is no possibility at this time. New payroll procedures are being looked at and there is a possibility of being paid twice a month but it is still a long time off, he said.

Retirees meet; committee formed

Almost 500 persons attended the Retiree Luncheon April 10 in the Memorial Union. This year, for the first time, representatives from all campuses were present.

President Olson spoke at the luncheon on changes to be expected at the University in the 80s; Chancellor Uehling reported on progress toward the fostering of excellence on campus, and UM Treasurer Donald Holm discussed the growth of the reserve fund, from which retirement stipends are paid, and the prospects of a more systematic approach to increases.

Retiree Advisory Committee Chairman Edmund Marhsall briefly reviewed the work of his committee. He said that through the UM Committee on Retirement and Staff Benefits, a proposal linking retirement stipends to changes in University salaries is being considered.

After the luncheon, an Intercampus Coordinating Committee for Retirees was established to explore coordination of interests and activities, and to work toward the appointment of a retiree-at-large on the University Committee on Retirement and Staff Benefits.

Standing committees take step to change

UMC's standing committee system underwent some significant changes last month, as a result of the recommendations of the Committee on Committees.

Breaking precedent is a new reporting system: no longer will all standing committees report directly to the chancellor. While four will continue this procedure, the majority will report to top administrators who also have the authority to appoint ex-officio members. Another change is in committee terms — for some committees, from the academic year to the calendar year. And a new campus-wide committee policy has been adopted: committee members absent from three consecutive meetings are off the committee, unless excused.

The Committee on Committees reviews one-third of UMC's committees yearly, and makes recommendations on their revision or continuance.

The changes were adopted to make the committee system more effective, said Faculty Council Chairman David West. Because of the large number of committees on campus, the chancellor consults the appropriate line officer on committee matters. By going directly to the responsible administrator, the new reporting procedure will just eliminate a step, says West.

The committees will continue to submit annual reports to the chancellor, however, as well as to line officers and the Committee on Committees.

Four committees report directly to the chancellor: Honorary Degrees, Retiree Advisory, Intercollegiate Athletics and the Committee on Committees.

Seven now report directly to the Provost: Lectures and Cultural Events, Entrance of Students and Revision of Records, Library, Residence for Tuition Purposes, Veterans Services, Operations

and International Programs and Studies.

Reporting to the Director of Equal Opportunity: Committee for Persons with Disabilities, Minority Affairs Committee, Status of Women and Equal Opportunity Council.

Reporting to the Vice Chancellor for Student Services: Housing Committee, Memorial Union and Brady Commons, Student Council, SOGA, Student Financial Aids, Maneater, Brewer-Rothwell and Student Fees Capital Improvements Committee.

Reporting to the Director of Institutional Research and Planning: Campus Planning.

Reporting to the Vice Chancellor for Administrative Services: Campus Parking, Traffic Appeals, Hearnese and Safety.

Appointments for four committees are being made on calendar year bases, Aery said, so that they can function more effectively. It is hoped that committees which function throughout the summer will profit from the new schedule. Those affected are the Committee on Residence for Tuition Purposes, Student Conduct Committee and Traffic Appeals Committee. The Honorary Degrees Committee needed more lead time to plan for the next year's degree recipients, West said, and will also be appointed each calendar year.

Several committees will be abolished this year, on the recommendation of the Committee on Committees: The Committee on Schedule of Studies and Examinations, the Committee for Grants and Scholarships for Study Elsewhere, and the Student Publications Committee.

Task Force publishes development report

If higher education at UMC is to flourish in the next decade, faculty development must be an integral part of institutional planning.

The Faculty Council's Faculty Development Task Force, chaired by Chris Lucas, spent four months considering the past and divining the future of faculty involvement at UMC.

The report by the 15-member committee ranked faculty salary increases and upgrading the campus physical facilities as high priorities for UMC.

The report is being mailed to all faculty; copies can also be obtained from Chairman David West's office.

The task force was formed to examine the predictions for universities and colleges in the 80s: Static to declining enrollments, budget reallocations and declines, and abolition of mandatory retirement. They all mean diminution of institutional choices for faculty in general, according to West.

In a *Mizzou Monthly* article, West spelled out the possible results of those factors. "Faculty of all institutions from coast to coast will face the emotional stress experienced in any kind of entrapment and with that stress they'll experience boredom, resentment, pain, withdrawal, guilt and failure."

With a charge to find alternatives to entrapment and its symptoms, the task force looked at development programs at other universities and circulated questionnaires at UMC.

The report's introduction notes development programs at many universities fail because the programs focus on limited aspects of academic life. Programs initiated by administrators instead of at the grass roots faculty level are another problem. The task force sees faculty development as involving the organizational, professional and personal spheres of development.

The report also addresses faculty

sabbaticals, leaves of absence and re-assignments, continuing education, faculty prerequisites, retirement benefits and support and assistance programs.

The report's recommendations include keeping faculty salary improvements as a central budgetary concern; establishing a faculty development fund as a regular line item in the UMC budget; requiring that programs maintain and enhance faculty effectiveness in teaching and advisement and coordination of information dissemination.

UMC salaries are difficult to compare

You can't compare the salaries of UMC faculty. At least not if the comparison is to be a valid one, says John Yeager, manager of analytical studies.

An Oklahoma State University study of 1979-80 salaries conducted at 68 public institutions was recently published in the *Chronicle of Higher Education*. The survey divided the United States into four regions with the highest salaries reported in the Northeast and upper Midwest region. Faculty there received salaries in the \$30,000 range for professors; \$22,000 for associate professors and \$18,000 for assistant professors. Instructors are paid more in the Western part of the country, earning an average of \$15,000.

In the lower Midwest, including Missouri, professors earn an average of \$28,000; associate professors \$21,000; assistant professors \$17,500 and instructors \$13,000.

Where Missouri fits into that picture is hard to say because of differences in computing the salaries, Yeager says.

For instance, in the Oklahoma State study, the salaries were computed on a nine-month instead of a 12-month basis. And when the figures were further broken down into average salaries per discipline, Yeager says that no division is made by academic ranks, an important factor.

Faculty salaries nationwide have increased 6.7 percent this year and an average of 5.3 percent in the lower Midwest. Missouri fares much better than the regional average with 6.8 percent increase over last year.

"That figure is comparing the population of two different years and the percentage of change between them," Yeager said. "The percentage seems low because it includes both the retiring and new faculty members. If the percentage was based on just the continuing faculty it would be much higher."

An extensive breakdown on salaries by disciplines for UMC is a project that Yeager says he plans to tackle next fall. The *Chronicle* cautions that the results of this study may differ from a more comprehensive study to be undertaken this year by the National Center for Education Statistics and the American Association of University Professors.

New office formed for grants, contracts

With a goal of an office more responsive to the University and external community, the Grants and Contracts Office and the Research and Restricted Accounting section have been combined to form the UM Office of Sponsored Programs.

Rudy Koch, new director of the office, says the change, made by the UM Office of the Assistant Vice President for Financial Services, will make the office more effective and efficient and will increase staff proficiency.

Bob Jenkins has been promoted to associate director, sponsored programs services, and will be responsible for proposal submission, negotiation and

award functions. The sponsored programs finance group, will be headed by new associate director Dave McGuire and will be responsible for reporting, billing and other financial functions.

Koch and Jenkins and their staffs will be in 812-818 Clark Hall, with 882-8305 as the phone number. McGuire will be located at 118 University Hall with the phone number 882-6484.

Center offers foreign expertise

The UMC Referral Center, 1012 Engineering Building, will be able to offer international expertise with information from the University's international students.

Interested students have filled out data sheets that include field of study, major interests, suggestions for improvement in international economics relations and personal information, according to Linda Crissman of the Office of International Student Programs.

The students will be able to help the center answer questions about imports and exports, culture, religions or the various business practices in their own countries.

The project is a joint effort of the Referral Center and the Office of International Student Programs.

India fellowships available for 1981-82

Unusual faculty fellowships for research in India are now available through the Indo-American Fellowship Program.

Deadline for application is July 1, 1980 to take place during the academic year 1981-82.

This program targets "individuals who are not Indian specialists but whose disciplinary or professional skills can be enhanced by the opportunity to carry our research in India," according to director Paul Wallace.

Additional materials on Fulbright Opportunities Abroad for University Lecturing and Advanced Research are also in the Center for International Programs and Studies for the following areas: mass communications, law and political science, fine and applied arts, anthropology and sociology, linguistics and English as a foreign language, mathematics and physical sciences, awards for younger scholars, and psychology. Deadline dates vary between June 1 and July 1, 1980 for the academic year 1981-82.

For more information, contact the Center for International Programs and Studies, 882-6007.

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Energy expert to spark commencement

Daniel Yergin, internationally-known energy expert, will be the speaker at the 138th annual UMC commencement exercises at 10:30 a.m. May 10. His topic will be "The Politics of Energy."

Yergin directs the International Energy Seminar at Harvard University's Center for International Affairs. He is also consultant to the European Economic Community, the U.S. Department of Energy, Department of Transportation and the Senate Foreign Relations Committee.

Yergin will receive the honorary degree Doctor of Humanities.

A Doctor of Humane Letters degree will be conferred upon Charles van Ravenswaay, former director of the Missouri Historical Society and native of Boonville.

Van Ravenswaay was director of the Henry Francis Du Pont Winterthur Museum in Delaware prior to his retirement in 1976.

An authority in Early American decorative arts and architecture, van Ravenswaay is the author of "Arts and Architecture of German Settlements in Missouri," published by the University of Missouri Press in 1977. Earlier he was editor of "Missouri: A Guide to the Show Me State."

Commencement exercises will include programs for all degree-granting divisions of UMC. Divisional recognitions and other events will begin on Friday, May 9.

Chronologically, scheduled programs are:
Friday, May 9: Sigma Xi and Phi Beta

Kappa Luncheon — Noon, N201 Memorial Union. Initiates and families to attend.

Business and Public Administration College Convocation — 5:30 p.m., Jesse Hall Auditorium. Richard Ichord, U.S. Representative, 8th Congressional district of Missouri, will speak.

College of Veterinary Medicine Reception — 6:30 p.m., at the Campus Inn, honoring the 31st graduating class and speaker, Frank Ramsey.

School of Health Related Professions — 6:30 p.m., N201 Memorial Union, recognition ceremony and dinner. Stanley Abadie, dean, Health Related Professions, Louisiana State University, will speak.

Business and Public Administration College Reception — 7 p.m., North Wing Lounge, Memorial Union.

College of Home Economics Reception for graduates and families — 7 p.m., Alumni-Faculty Lounge, Memorial Union.

College of Engineering Senior Convocation — 8 p.m., Jesse Auditorium, with speaker James Kunkler, senior vice president, Armco Steel Corporation. A reception follows immediately in the foyer.

Saturday, May 10:

Kappa Delta Pi Breakfast — 6 a.m., the Hawthorn Room, Memorial Union.

College of Agriculture Convocation — 8 a.m., at the Livestock Center. John Danforth, U.S. Senator from Missouri, will speak.

College of Education — 8 a.m., Hearn Building, with presentations by Dean Bob G. Woods; Ray Alonzo, president, and

John Nordyke, past president, Education Student Council; Don Northington, president, Education Alumni Association will also speak.

College of Home Economics Convocation — 8:30 a.m., Jesse Auditorium, with Dean Bea Litherland as speaker.

College of Arts and Science Convocation — 1 p.m., Jesse Auditorium, with Dean Armon F. Yanders speaking.

College of Public and Community Services Recognition Ceremony — 1:30 p.m., Middlebush Auditorium, with Dean George Nickolaus speaking. A reception follows in N201 Memorial Union.

College of Veterinary Medicine Academic Convocation — 1:30 p.m., Hearn Building. Distinguished Professor of Veterinary Pathology, Frank Ramsey, Iowa State University, will speak.

School of Journalism Convocation — 1:30 p.m., Peace Park, Francis Quadrangle. John W. Germond, B.J. 1951, syndicated columnist of the Washington Star will be speaker.

School of Law Hooding Ceremony — 3 p.m., Jesse Auditorium. Speaker will be the Hon. L. Frank Cottey, LL.B. 1931,

retired judge, First Circuit Court of Missouri.

School of Medicine Convocation — 3 p.m., Hearn Building. Speaking will be Gerald Perkoff, UMC Curators Professor.

Tri-Service ROTC Commissioning, Army, Navy, Air Force — 3:30 p.m., Middlebush Auditorium, with Air Force Brigadier General William J. Mall, Jr. speaking. A reception follows immediately in Middlebush Auditorium.

School of Law Reception — 4:30 p.m., on the patio north of Tate Hall. In the event of rain, an alternate site will be announced at the Hooding Ceremony.

School of Nursing Divisional Convocation — 5 p.m., Jesse Auditorium, with speaker Carol A. Lindeman, dean, Oregon Health Science Center, Portland. A reception follows in North Wing Lounge, Memorial Union.

School of Forestry, Fisheries and Wildlife Graduation Ceremony — 7:30 p.m., Jesse Auditorium. Gerald Ross, executive director, Missouri Forest Products Association, will speak. A reception will follow in N201 Memorial Union.

UMC to honor professor, alumnus at commencement

John M. Poehlman, professor of agronomy, and Donald W. Reynolds, a 1927 graduate of the School of Journalism, will be honored for their distinguished service May 10 at Spring Commencement.

Poehlman will receive the Distinguished Faculty Award, Reynolds the Distinguished Alumni Award, both granted by the UMC Alumni Association. The awards will be presented by Barbara Moore, alumni association president.

The Distinguished Faculty Award, which has been presented annually since 1960, includes a \$1,000 prize and a plaque. Recipients are selected from among outstanding faculty members with special emphasis given to their relationship with students.

A specialist in field crop breeding, Poehlman has released 18 varieties of improved barley, oats, wheat and rice, many of which are used around the globe, as are his two textbooks "Breeding Field Crops" and "Breeding Asian Field Crops."

Although a Missourian all his life, Poehlman's work has involved him in crop improvement efforts in many countries including India, Romania, the Republic of Mali, Korea and the Philippines. He developed the International Mungbean Nursery which involves researchers in 25 nations.

Poehlman also developed the concept of combining assistance to developing countries with thesis research to train graduate students in plant breeding and international agriculture, a practice now

widely accepted in Southeast Asia.

The Distinguished Service Award, presented annually since 1956, recognizes outstanding service by a UMC graduate "whose enthusiasm and interests have been directed toward implementing distinction for UMC."

Since receiving his journalism degree, Donald Reynolds has built a chain of newspapers, radio and TV stations that span a dozen states, including Missouri (Moberly Monitor-Index).

Reynolds came to UMC in 1923 from Oklahoma City, Oklahoma, where he grew up. He was student president of the journalism school, business manager of the Savitar and also worked on the construction of Memorial Stadium — for 25 cents an hour.

After graduating in 1927 he worked for newspapers in Kansas City, Indianapolis and Austin. He purchased the Okmulgee, Oklahoma Daily Times, and the Fort Smith, Arkansas Times Record and Southwest American in 1940, the basis of what is now the Donrey Media Group, of which Reynolds is sole owner.

Despite the pressures of business, Reynolds has found time to look after the interests of his alma mater. He has been a trustee of the Jefferson Club since 1972, as well as a Distinguished Fellow and Charter Member of that organization. He was named chairman of the Development Fund Board in 1976 and has been on the board of directors since 1975.

Poehlman and Reynolds were selected for the honors by the UMC Alumni Association Awards Committee.

Dedication earns AMOCO awards

Paul Burcham, professor of mathematics, and Frederick Spiegel, professor of political science, are the recipients of 1980 AMOCO Good Teaching Awards for distinguished undergraduate teaching at UMC.

Presentation will be made at the May 10 Chancellor's Award Luncheon.

The \$1000 stipends are funded by a gift from the American Oil Co. Dedication to the teaching-learning process both in and out of the classroom and scholarly works, especially those related to undergraduate teaching, were given consideration in the selection process, according to Associate Provost Laverne Walton.

Letters of reference from former students, currently enrolled students, teaching peers and administrators in addition to resume and teacher evaluation data, were presented to a screening committee. Composed of former AMOCO recipients, the committee made the final selection.

Burcham, a member of the UMC

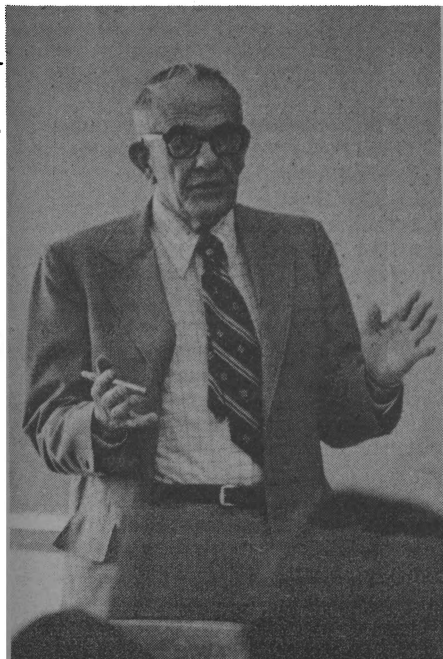
mathematics faculty since 1946, was cited for his ability to teach and advise students at all levels. One nominator cited "his infinite patience in devoting individual attention to any student who needs or requests it."

A former faculty member, in supporting Burcham's nomination, wrote "He welcomes any student (of anyone's class) who comes to his door, puts the student to the blackboard and provides one-to-one teaching."

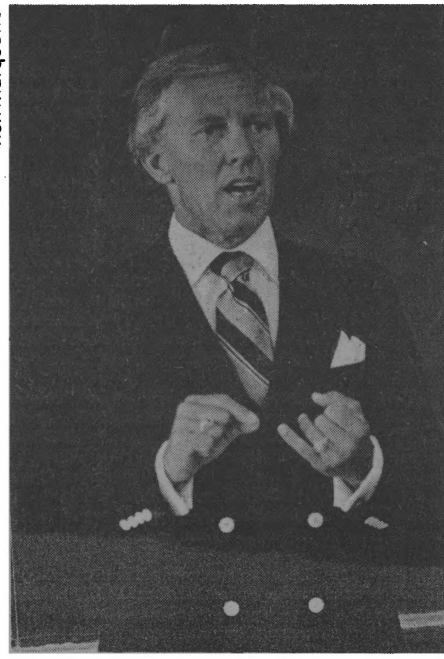
Spiegel has been a member of the political science faculty since 1955. From 1966-69 he also served as associate dean of the School of Business and Public Administration. He currently directs his department's undergraduate program.

A nominator wrote . . . "Fred's dedication, his tight organization of material, and his brilliant oratory are legendary both in and out of our department."

From another faculty member came this comment . . . "I watched him and learned how to teach better."



Paul Burcham



Frederick Spiegel

UMC's student services reorganized

Vice Chancellor for Student Services Norman Moore announced a reorganization of the UMC student services structure last month.

The major thrust of the reorganization is to place increased emphasis on Greek life, student programs and governance in residence halls, and recreation and intramurals through changing staffing patterns.

A new Residential Life Unit becomes effective May 15, and the Center for Student Life is renamed the Office of Student Development effective July 1.

The student development component will be headed by William Riley who has been named assistant vice chancellor and

director of student development.

A national search for a director of residential life is underway.

The new Residential Life Unit will have three associate directors. Don Graham, now interim director of housing, becomes associate director for residence halls. Jack Uhler continues as associate director of food service. A search for an associate director of Greek life will begin soon.

Counseling, now available in residence halls, will be provided by Counseling Services. Richard Caple, now on a joint appointment with the Housing Office and Counseling and Personnel Services in the College of Education, moves to a joint appointment with CAPS and the Counseling Center.

Trim receives Alumnae Anniversary Award

Cynthia M. Trim, associate professor of anesthesiology in the College of Veterinary Medicine, is the 1980 recipient of the Alumnae Anniversary Award for teaching excellence and outstanding contributions to education at UMC.

Trim, who joined the College of Veterinary Medicine faculty in 1977, will receive a citation and \$1,000 from the UMC Alumnae Anniversary Fund Committee for the Recognition of Faculty Women. The committee was established in 1968. Alumnae contributed to a permanent fund from which the award is made.

UMC alumnae, faculty and women students selected by department chairmen were invited to nominate full-time faculty women for the award. The final selection was made by the Alumnae Committee.

Trim, one of only 32 board certified veterinarian anesthesiologists in the U.S., is president-elect of the American Society of Veterinary Anesthesiologists.

She was born and educated in England. After receiving her degree in veterinary

science she spent two years as a research assistant in anesthesiology at the University of Cambridge, followed by two years as a general practitioner.

From 1974-76 Trim was assistant professor of anesthesiology at the University of Guelph, Ontario, Canada. In 1976 she was named assistant professor in anesthesiology at the University of Illinois.

Teaching and research are among Trim's main concerns at UMC. Whether in the classroom or laboratory, she is a "warm, enthusiastic and inspiring teacher," according to one of the many letters recommending her for the award.

Trim's research includes investigation of chemical and electrical methods of anesthetizing dogs as well as the study of the patho-physiology of malignant hyperthermia. In humans malignant hyperthermia can be triggered by certain anesthetics, which cause body temperature to rise dramatically. It often results in death. The problem also affects certain pigs, which Trim uses as an animal model for her investigations.

Trim is director of the school's intensive care unit and director of anesthesiology.

Larry Boehm



Cynthia Trim

More award winners . . .



Noble Cunningham Jr.



Charles Campbell

ducting research on oral epics with the support of an International Research and Exchanges Board grant.

Foley holds a Ph.D. and M.A. from the University of Massachusetts-Amherst. His A.B. is from Colgate University.

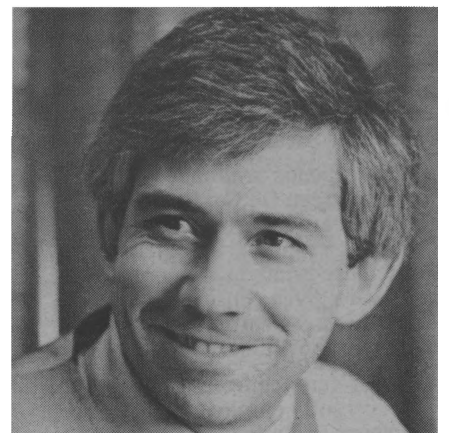
Foley has published more than 25 scholarly articles and nine reviews in such distinguished journals as *Neophilologus*, *Studies In Medieval Culture* and *American Imago*. He is a trained linguist in five languages.

Outstanding educator

Jerry Valentine, assistant professor in the Department of Educational Administration, has been named Outstanding Educator by the Student Missouri National Education Association.

The award is for outstanding contributions to future educators in sharing knowledge and preparing students for teaching.

Before joining the faculty of the College of Education in 1977, Valentine served as principal of Boltz Jr. High School in Fort Collins, Colorado. He holds a doctorate from the University of Nebraska-Lincoln, a master's from the University of Southwestern Louisiana and a bachelor's from Louisiana Tech University.



Jerry Valentine

Byler award

Byler Awards will be presented May 10 to Charles C. Campbell, associate vice provost for extension, and Noble E. Cunningham Jr., professor of history.

Campbell will receive the Byler Administrative Award and Cunningham the Byler Distinguished Professor Award. Both were established by a gift of UMC alumnus William H. Byler of Winter Park, Fla.

UMC Chancellor Barbara Uehling will present the honors at the Chancellor's Award Luncheon at the Chancellor's Residence. UMC committees recommended the awardees as a result of nominations from faculty and staff.

Cunningham, a member of the UMC faculty since 1964, receives a \$2,000 cash award. His previous honors include the Thomas Jefferson Award and the Chancellor's Award for Outstanding Research in the Humanities, both given in 1979.

He is the author of several books on the politics of the Thomas Jefferson era and

did research under a Guggenheim Fellowship and a National Endowment for the Humanities Fellowship.

Campbell will receive a stipend of \$1,350 to attend the Institute for the Management of Lifelong Education at Harvard University in August.

A member of the UMC staff since 1974, Campbell holds academic positions in extension education and educational administration in addition to his administrative role.

He taught in Columbia public schools for six years, then became assistant superintendent of schools here before moving in 1970 to Northeast Missouri State University as dean of administration.

He is a past president of the University of Missouri Community Teachers Association and chairman of the committee on professional ethics of the National School Public Relations Association.

Guggenheim award

John Miles Foley, associate professor of English, is a recipient of a 1980 Guggenheim Fellowship Award.

Foley, a specialist in old English literature, was selected on the basis of his "accomplishments in the past and strong promise for the future." The coveted Guggenheim award will support Foley during a year of research on traditional oral epics.

"It's quite phenomenal for a person

John's age, on a first try to receive the Guggenheim," according to John R. Roberts, chairman of the department of English. "It's one of the oldest and most distinguished awards in the field and a very great honor for John," said Roberts.

Foley, in his first year as a UMC faculty member, is in Yugoslavia con-

Teaching excellence

Joe Logan, instructor in housing and interior design and former Columbia public school teacher, is the 1980 recipient of the College of Home Economics Excellence in Teaching Award.

Logan, chosen by student ballot, received the award from last year's recipient, Marion Typpo, April 12 during Home

Economics Alumni, Students and Friends Weekend.

Logan teaches courses in housing and energy conservation, architectural design and construction techniques. He serves on the UMC Committee on Energy and participated in the Missouri Energy Review for Missouri legislators in January.

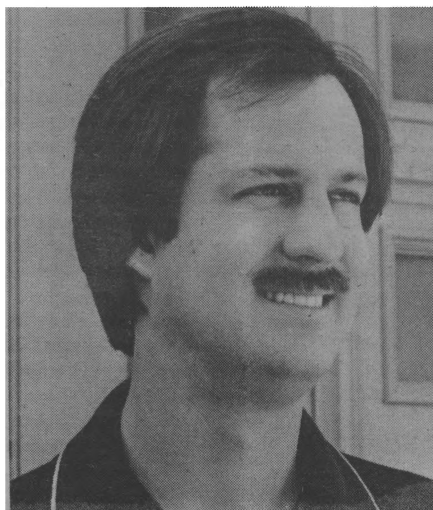
Logan, who also designs passive solar energy residences and energy efficient buildings for businesses, coordinated UMC's recent Energy Conservation for Housing Conference and a fall Solar Energy in Housing Conference.

Students describe Logan as enthusiastic, dynamic and challenging. "Learning becomes interesting and exciting in his classes," according to one. Another adds that Logan "knows about (career) problems students face outside school."

Prior to joining the faculty at UMC, Logan was assistant director of vocational education and placement specialist with the Columbia Area Vocational School.

He was a state housing specialist with the University of Missouri Extension in 1974. He was a member of the Hickman High School staff from 1967-74 serving as a teacher, vocational counselor, and swimming coach.

Ron Marquette



Joe Logan

Mark Kempf

Rain in Ukraine changes prices in plains

Are umbrella sales in the Ukraine related to bread prices in America? Yes, suggests research by a UMC meteorologist who has been studying the influence of weather on food production around the world.

"The weather in Russia, because of its influence on wheat production, could have an impact on our overseas sales, assuming we lift our grain embargo, and hence the price of wheat — and bread — in the U.S.," says Wayne Decker,

chairman of UMC's atmospheric science department.

Decker and other UMC researchers are working with the Department of Agriculture and the National Oceanic and Atmospheric Administration of the Department of Commerce to determine the relationship between climate and food output in the U.S. and abroad, as well as providing Missouri farmers with information on using weather data to maximize food production.

In 1975 the department began compiling a computerized data base on the world's climate, drawing information from weather experts in many nations, several of them UMC graduates, as well as from existing publications. Production data on major foodstuffs was compiled in the same manner.

Once the data, which is updated regularly, was gathered and processed, computer programs were developed by the atmospheric science department to pinpoint weather patterns anywhere on the globe in a few moments, instead of the weeks or months required with conventional methods, Decker says.

A primary goal of the research is to examine the extent and trend of the fluctuations in climate and food production so that government planners can predict the possible economic, social and political consequences.

General data alone, such as the total rainfall expected for a year, is not enough to insure accurate food production forecasts, Decker says. All crops go through periods when factors such as rainfall or temperature are critical to the crop's success or failure.

For example, throughout Thailand, rice is more susceptible to weather conditions during its reproductive stage. However, the type of rice grown in the country's central and southern regions is also particularly sensitive to rainfall during the transplantation period.

Working with experts in UMC's College of Agriculture, of which the atmospheric science department is a part, Decker developed computer programs that give more importance to weather during such periods. As a result, production estimates are usually accurate within three and one-half to four percent, Decker says.

"When we reach the point where we can forecast production in most nations, that information can be used by agribusiness and government to plan export

and pricing strategy," Decker says, noting that one UMC graduate makes such predictions for the Canadian Wheat Board.

Closer to home, improved knowledge of weather's impact on food production offers Missouri growers a way to make farm management decisions, such as when to irrigate or apply pesticides, on a more scientific basis than most do now, Decker points out.

In fact, UMC's atmospheric researchers, working with other College of Agriculture departments, including Extension Education, hope to establish a program to teach farmers how to better use the weather data already available to them.

How weather changes influence water use by various crops, which crops to plant given specific weather conditions, when to plant, till, irrigate or apply insecticide — decisions about all these matters can best be made when farmers understand how weather systems operate, at least in their immediate vicinity, Decker believes.

"Take the application of insecticides. You obviously don't want to apply them just before it rains, but there are other weather-related considerations that may not be so obvious. For example, the effectiveness of some compounds depends on the temperature of plant tissues which is affected by humidity, temperature and sunlight," Decker says.

But Decker's major concern is global. "Given the rate of consumption today and the rate of production, poor growing weather in one or two regions of the world could mean starvation for millions of people, especially in the poorer nations," he says. "By applying our knowledge in a practical way we hope we can do our part to prevent that from happening while also helping Missouri's farmers."

—Larry Myers



Wayne Decker

102 TAs earn cash awards, appreciation

Chancellor Barbara S. Uehling presented 1979-80 Graduate Student Teaching Awards to 102 graduate teaching assistants April 9. Each received a certificate of appreciation and a \$50 cash award during ceremonies held in the Alumni/Faculty lounge of Memorial Union.

Don H. Blount, dean of the graduate school, also addressed the TAs.

Each division is allocated a certain number of awards based on its percentage of the total number of graduate teaching assistants at UMC.

The award program was initiated in 1972 by Donald K. Anderson Jr., professor of English, who was then associate dean of the graduate school. Award money is supplied by the UMC Alumni Development Fund.

Honorees include:

Rickert R. Althaus, political science; Joseph Astroth, geography; John J. Bachhuber, statistics; Howard A. Bernstein, journalism; Thomas D. Berry, finance; Rebecca K. Besselsen, chemical engineering; Patricia J. Blake, psychology; Charles B. Blöse, educational psychology; Margaret E. Bowles, Romance languages;

Perry M. Brooks, Jr., agricultural engineering; Berline B. Broom, geology;

David Richard Brown, anatomy; Patrick W. Brown, forestry, fisheries and wildlife; Z. Lois Bryant, child and family development; Joanne Burns, veterinary medicine & surgery; Sharon K. Buzzard, English; Cathy Lee Callaway, classical studies; Barbara J. Carr, art history & archaeology; Xavier A. Chavez, Romance languages;

Jeffrey S. Copeland, curriculum & instruction; Charles D. Crowder, physics; Joseph M. Ditta, English; Stephen E. Dunagan, mechanical engineering; Leslie C. Engel, biological sciences; Michael R. England, mathematics; Priscilla A. Evans, history; Thomas E. Fenske, civil engineering; Ronald D. Fischli, speech & dramatic art; Dolores A. Flores, mathematics; Robert N. Fontaine, pharmacology; Richard E. Gordon, English; Mary M. Grinnell, music; Terry T. Haru, sociology; Lesley Helf, journalism; Gregory L. Hobson, mathematics; Michael E. Horn, biological science; Robert B. Howard, health & physical education; Clarry D. Hubbard, journalism; Thomas J. Reed Huberty, educational psychology;

Patricia W. Jenkins, curriculum & instruction; Mary L. Kehr, library & informational science; Carla A. Kertis, geology; James D. King, political science; Paul S. Kitzke, journalism; Sheri A. Klittich, agronomy; Daniel C. Kneer, accountancy; Bert C. Lampson, microbiology; Julia I. Lane, economics; Patricia A. Leonard, nuclear engineering;

Kathleen A. Lester, journalism; Francesca E. L'Hoir, history; David R. Long, Romance languages; George H. Lucas, Jr., marketing; Tarek S. Mansour, chemistry; George F. Marecki, philosophy; Judy A. Martin, nursing; Melanie P. May, chemistry; Michael P. McCord, political science; William T. McCord, Jr., mathematics;

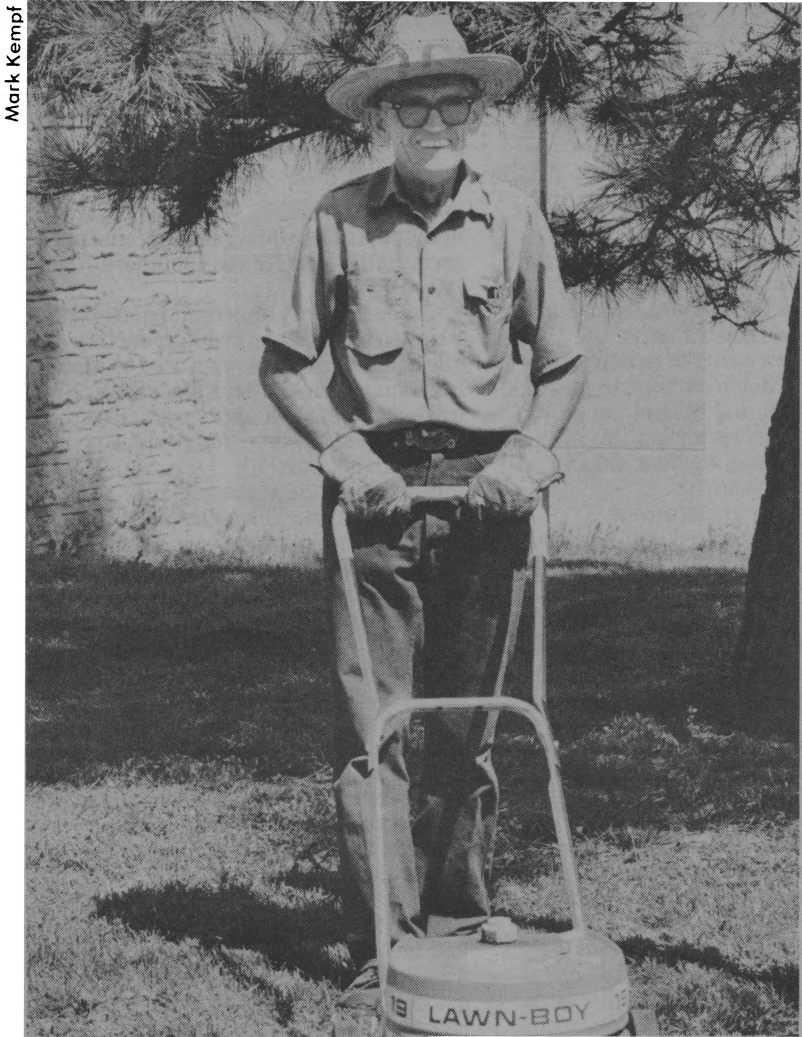
Elaine A. Menke, computer science; Michael P. Merilan, physics; David J. Miller, psychology; Lisa K. Miller, English; Kevin R. Morgan, practical arts & vocational-technical education; David W. Murphy, forestry, fisheries, and wildlife; James A. Nichols, accountancy; Janet L. Norton, English; Philip A. Nuetzel, II, economics; Timothy H. Parshall, English;

Bababhai G. Patel, statistics; Gary Ralph Petersen, sociological sciences; Norman K. Peterson, practical arts &

vocational-technical education; Michael D. Philipsen, music; John Wayne Pittner, psychology; Janice L. Platt, speech & dramatic art; James M. Puckett, Jr., psychology; Karen W. Pullen, industrial engineering; Lela D. Pumphrey, accountancy; Pasquale N. Russo, philosophy; Robert M. Schoening, agricultural economics;

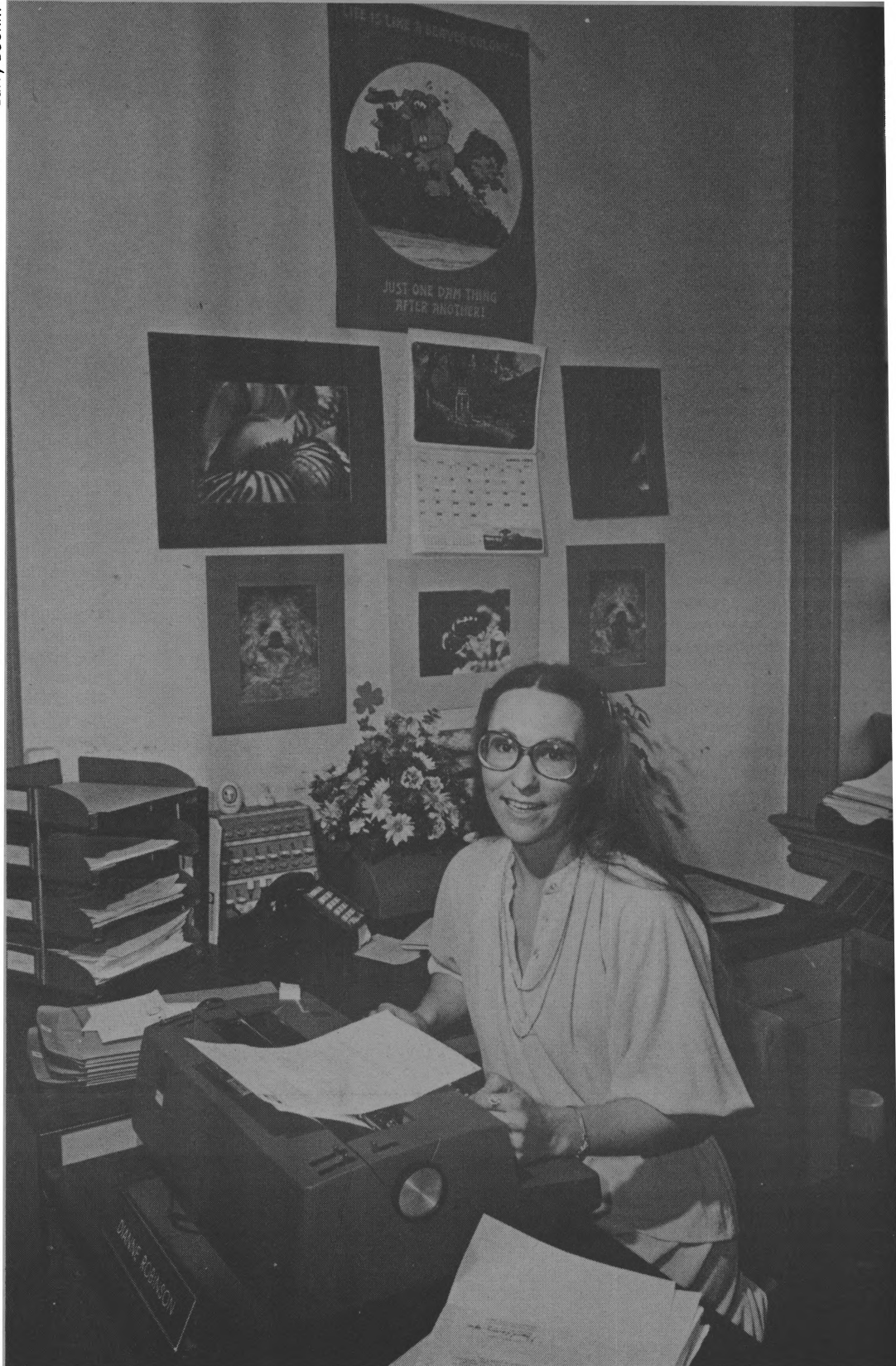
Robert C. Schealler, journalism; Jerald R. Sears, dairy husbandry; Michael B. Smith, Germanic & Slavic studies; Walter Raymond Smith, English; Donald L. Soucy, English; T.V. Sriram, electrical engineering; Georgia G. Stallman, geology; Edward A. Stang, recreation & park administration; Lisa H. Stringfellow, journalism; John P. Tandarich, agronomy;

Emil A. Thies, management; Patricia A. Touchett, mathematics; Victoria S. Varner, art; Renner E. Ventlin, educational administration; Gerald A. Wait, anthropology; Steven A. Watts, history; Donald L. White, journalism; Terri Jo Witt, horticulture; Gail Charlene Woodstock, sociology; David W. Zeigler, physiology; Judith D. Zimmerman, family economics & management; Scott A. Zuckman, chemistry.



Mark Kempf

Bob Copenhaver, groundsman II



Larry Boehm

Dianne K. Robinson, senior secretary

Staff Awards from page 1

Copenhaver has worked with a dedication to duty that is truly remarkable. And other persons think so too — Copenhaver's nomination forms were accompanied by a total of 79 signatures.

Copenhaver is said to work at one pace — wide open. He is interested in students, too, demonstrating to horticulture majors the tools and mechanics of pruning, shaping and maintenance of shrubs and ornamentals.

Copenhaver has a reputation for putting in whatever extra time it takes to get the job done. He is concerned about the appearance of the campus, his nominators said, and believes it influences people's opinions about the University.

In visits to other campuses and public grounds, he learns how they handle their maintenance and landscape growth. He seeks out faculty, staff and students for companionship because he has an innate curiosity and interest in cultures and in people.

"Bob leads by example," a nominator said, "and everyone working with him soon realizes they need to increase their pace — not because he has told them to, but because his zeal and dedication are catching."

In the secretarial/clerical category: **Dianne K. Robinson**, senior secretary, mechanical and aerospace engineering. Robinson was unanimously endorsed by the members of her department for the secretarial/clerical award.

Robinson, they said, prides herself on accuracy, promptness, confidentiality and loyalty, and her judgment is invariably sound. Her high level of performance makes it possible for the department chairman to delegate many responsibilities to her, leaving him time to focus on departmental policy.

A remarkable level of esprit de corps exists in the office, the nominators said, so that at a time of high enrollments and a reduced faculty, the office remains a pleasant place where colleagues willingly share assignments. Under her leadership, the office staff has become top notch, reflecting her dedication.

Students wrote that Robinson shows she really cares about them, using her time to straighten out their problems and help them with paperwork.

But most of all, she is a source of encouragement and strength to those

around her. "As my supervisor," one employee wrote, "Dianne has given me encouragement and instilled confidence in my own ability. She has a unique ability to teach by inspiring, and is always supportive of my efforts."

Robinson, who has worked for the University for seven years, is also on the Board of Directors of the Woodhaven Sheltered Workshop for Handicapped Persons.

In the technical/paraprofessional category:

Larry Clark, senior research engineering technician in mechanical and aerospace engineering. Clark was endorsed by his entire department and by many students for the staff award. Larry, the nominators said, is a top caliber craftsman, a journeyman machinist and dependable worker.

His capabilities and work ethics result in a level of productivity for the department well beyond his job title. According to co-workers, Clark approaches tasks with enthusiasm and produces work of superior quality to that requested, and in less time than is normally expected of the job.

On his own initiative, he starts his work day at 6:30 a.m. to have repairs com-

pleted so that teaching or research can continue on schedule.

Other machinists come to him for advice; he has a reputation for solving every technical problem he is given. He has machined test samples from extremely difficult materials, such as titanium and special nuclear reactor steels; created special purpose test chambers for materials testing, and machined large heat exchangers for the physical plant.

"Because of Larry's skills," the nominators said, "the department has been able to attract outside-funded design and research projects which require unique craftsmanship to fabricate major pieces of equipment."

Also at the ceremony, a special award was presented to **Sharon Baysinger-Deaver**, in memory of the late Mick Deaver, for his outstanding and meritorious service in strengthening student and staff relations.

Frank Quattrocchi also received a Chancellor's Citation in appreciation for his service as interim vice chancellor for administrative services.

New book traces local black history

From slavery at the hands of the French to their modern-day search for equality, a new book, "Missouri's Black Heritage," traces more than 250 years of struggle by the state's blacks.

Written by Lorenzo Greene, Gary Kremer and Antonio Holland of Lincoln University, the book grew out of a brief history of black Missourians prepared for the 1973 State Manual, according to Holland, also a graduate student in history at UMC.

Greene, professor emeritus of history at Lincoln University, enlisted the help of Holland and Gary Kremer, both on the Lincoln University history faculty, to prepare an article.

"We were proud of what we did, but 50 pages just wasn't enough space to go into detail about things like the Civil War and its effect on Missouri blacks," says Holland. Consequently, the three men decided that a book was needed to recall the heritage of the state's blacks.

"Blacks and whites were the co-builders of Missouri civilization, as we say in the book, yet little is known by blacks or whites about blacks' role," says Holland. In fact, since integration less black history has been taught at the high school level than in the past. And, despite the black history fad of the 60s, the role of blacks generally has been given short shrift, Holland believes.

The actual writing of the book took nearly two years. Much of the research was original, little having been done on black history in Missouri until recently.

"The more I dug into the history of the Negro in Missouri, the more inspired I became," says Holland, a native of Boston. "They did so much with so little — it was a source of inspiration for me and should be for others today."

Missouri, in some sense, owes its very existence to slaves. A revolt by blacks in Haiti made Napoleon of France eager to rid himself of the Louisiana Territory, of which Missouri was a part.

It was also the French who, in 1719, brought black slaves to Missouri. (The first slaves were Indians, captured by other Indians.) The first major con-

tingent of black slaves came from Haiti to work the lead mines in southern Missouri.

Unlike their brethren in the deep south, Missouri slaves worked at a variety of tasks, Holland says, because the state was not dependent on King Cotton. But, regardless of their skills, slaves were still considered property, not people.

While the majority of the state's blacks were slaves, there were about 3,000 "free" blacks, their rights severely limited by state laws, including one which made it illegal to educate blacks. An ingenious black St. Louisian circumvented this law, mooring a "school boat" in the middle of the federally-controlled Mississippi and transporting students to and from shore in a skiff.

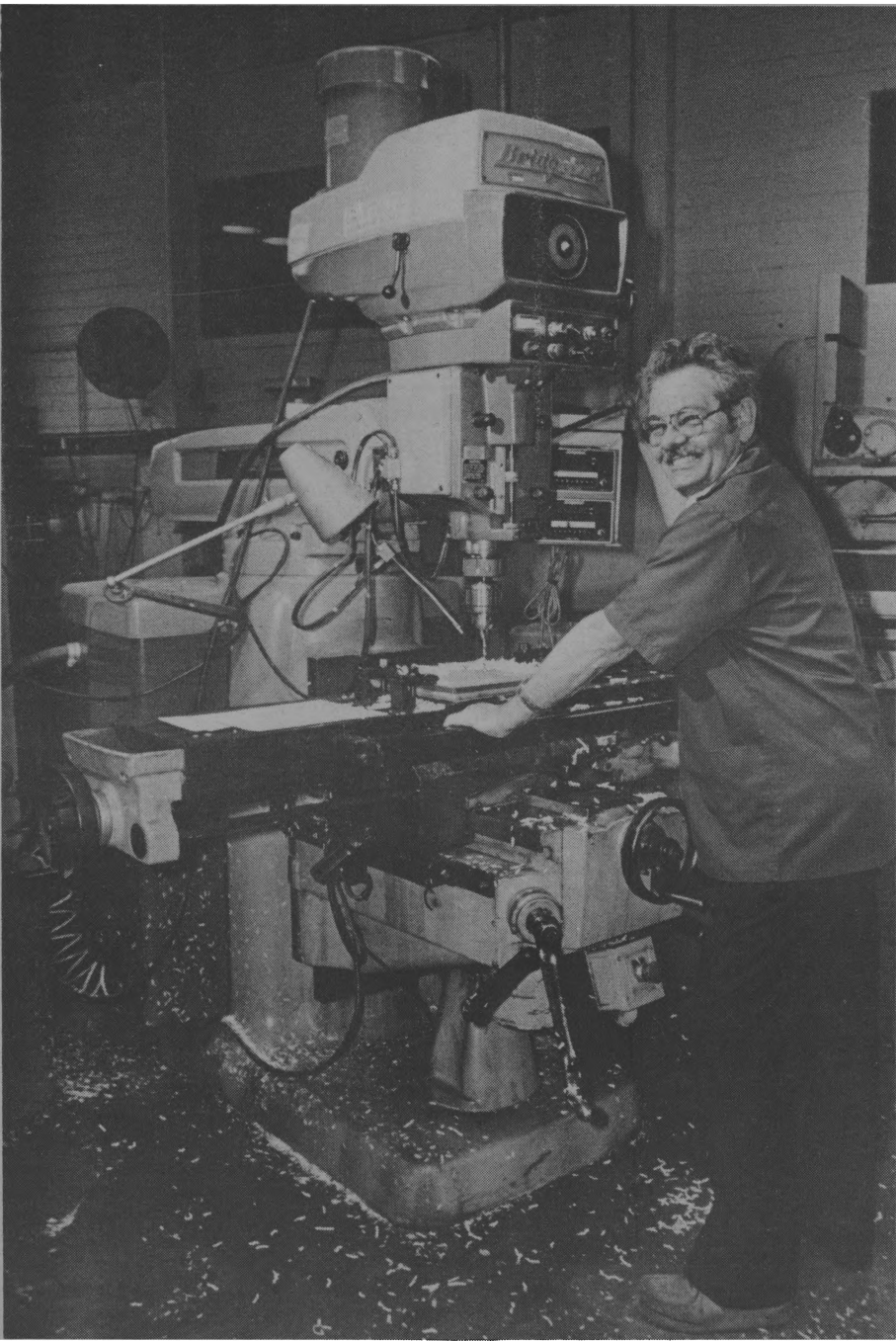
Even after emancipation, blacks were still at a disadvantage in most situations, including education. One bright spot was the Lincoln Institute in Jefferson City.

"Members of the 62nd and 65th U.S. Colored Infantry realized that their future depended on education, so at the end of the Civil War they pooled a large part of their pay to establish a school for blacks, the Lincoln Institute in Jefferson City," Holland says.

Holland cites Walthall Moore, the first black representative in Missouri, as another example of the resourcefulness of the state's Negroes. Elected in 1920, when lynchings were still common, by 1921, Moore had convinced state legislators to make Lincoln Institute a state university.

"Men like Moore, resourceful leaders who came to the forefront under the most arduous conditions, should be seen as a model and inspiration for today's blacks. And, although such men were unique, it was the average black who had the wisdom to elect and support them," Holland believes.

Despite historic, as well as contemporary success stories involving black Missourians, the fight for full equality continues, the book notes. Today's struggle, Holland feels, is best viewed in the light of the total history of Missouri blacks. —Larry Myers



Larry Clark, senior research engineering technician

UM, UMC staff receive promotions

The following persons have received promotions recently: **From UMC:** David Boyle, from custodian to stores clerk; Daniel Branson, from computer programmer/analyst II to senior computer programmer analyst; Suzanne Burton, from staff nurse to staff development coordinator; Patricia Cramer, from senior radiation therapy technician to chief radiation therapy technician; Billy Denison, from nursing technician trainee to nursing technician;

David Farris, from computer programmer I to computer programmer II; Marta Frumhoff, from food service attendant I to food service attendant II; Maris Del Garcia-Otero, from library clerk III to library assistant I; Fay Hutton, from staff nurse to nurse recruiter;

Laurence Logan, from nursing technician trainee to nursing technician; Edwin Malaga, from food service attendant I to food service attendant II; Donna Otto, from head nurse to assistant director nursing service; Lucy Riddell, from clerk typist to clerk typist II; Gary Scott, from registered respiratory therapist to supervisor respiratory therapy;

Linda Shipley, from clerk typist to clerk typist II; Brian Shobe, from computer operator to computer programmer I; Pam Smith, from staff nurse to head nurse; Debra Snider, from radiation therapy technician to senior radiation therapy technician;

Patricia Summers, from nuclear medicine technologist to senior nuclear medicine technologist; Wilfred Tolson, from assistant manager to manager patient admissions; George Turner, from emergency medical technician to supervisor emergency medical technician; Victor Vining, from registered respiratory therapy technician to supervisor respiratory therapy.

Glenda Kay Martin, from hospital unit clerk to senior clerk; Linda McEwen, from head nurse to assistant director of nursing services; Barbara McFadden, from supervisor of hospital unit to fiscal assistant; Donald Moreau, from coordinator to director administrative computing services; Carolyn Lea Nave, from farm worker I to farm worker II;

Steven Fidel Nevels, from food service attendant I to food service attendant II; Catherine Newton, from senior accounting clerk to fiscal assistant; Regina Piper, from senior clerk to admission clerk; Betty Jean Roberts, from student services adviser to student services coordinator/counselor; Brenda Kay Roberts, from operating room technician to certified operating room technician; Helen Rodgers, from accounting clerk to senior accounting clerk; Cindy Ann Stoy, from clerk to clerk II; Eddie D. Thornton, from food service worker I to food service worker II; Marjorie Williams, from senior clerk to unit staff assistant;

Jill Wood, from clerk II to medical records coder; and Bryan Zionczkowski, from graduate radiologic technician to radiologic technician.

Charles Anderson, from senior reactor operator to supervisor shift operator; Mary Lee Borman, from secretary to senior secretary; Vicki Lynn Daniels from accounting clerk to clerk typist II; Patricia Jarboe, from clothing and textile specialist to coordinator affirmative action extension; Brian Sanders, from fiscal assistant to accountant;

Tina Marie Acton, from laboratory attendant to laboratory assistant; Laura Adeline Allen, from graduate practical nurse to L.P.N.; Donne C. Boucher, from clerk II to clerk typist II; Marie Bramblett, from accounting clerk to senior clerk; Cynthia Brooks, from staff nurse to head nurse; Constance Cogswell, from buyer to administrative associate II;

Charlene Ingram, from hospital unit clerk to unit staff assistant; John R. Kemp, from machinist to resident engineering technician; Dorothy Marsh, from operating room technician to certified operating room technician; Kelly McHenry, from television director to senior television director; Gayle Meyer, from graduate practical nurse to L.P.N.; Fremont Mohme, from custodian to housekeeping supervisor;

Brenda Nanneman, from Food service attendant I to food service attendant II; Joan Rosenberg, from head resident to

resident hall counselor; Roger Snellen, from draftsman to senior drafting technician; Sam Spurgeon, from custodian to housekeeping supervisor;

Wanda Stock, from custodian to accounting clerk; Lyle Stockton, from senior management engineer to manager management engineering; Paula Vanker, from unit clerk to unit staff assistant;

From UMca: Rebecca Bohlmeier, from production analyst to computer programmer analyst I; Nora Garro, from clerk to clerk II; Mary Hamilton, from senior secretary to executive staff assistant I; Dora Layton, from secretary to administrative secretary;

Janet Paul, from senior data controller to production analyst; Dugen Thi Kim Pho, from accountant to computer programmer analyst I; Leslie Sapp, from computer technician writer to senior data controller; Mary Stogsdill, from data entry operator to secretary stenographer.

Tommy Duncan, from deliveryman to supervisor production distribution center; Edward J. Hinderberger, Jr., from research chemist to senior research chemist; Kapila Shubbender, from senior research chemist to senior research scientist; Patricia Leistner, from fiscal assistant to administrative associate I; Janice McCollum, from clerk typist II to secretary stenographer; Phillip E. Moritz, from pressman to supervisor bindery.

People

Larry Boehm



Venus Raeder:
honorary QEBH member

Eight faculty, four staff and one alumnus were recognized as honorary members of four campus senior honor societies active in Tap Day ceremonies April 16 in Jesse Auditorium. The honoraries also tapped more than 80 students.

Tap Day, held each spring for more than 50 years, recognizes initiates for academic achievement and service to the university.

Societies and their initiates are:

QEBH, **Joseph Wood**, professor of biological sciences, **Edwin Kaiser**, professor of chemistry, and **Venus Raeder**, food service worker II.

LSV, **Mary Lenox**, associate professor of library science, **Louise Pietrafesa**, residence hall counselor and **Barbara Bank**, assistant professor of sociology and rural sociology.

Mystical Seven, **Sharon Pope**, assistant director, Center for Student Life, **Duane Stucky**, director of institutional research and **Norman Moore**, vice chancellor for student services.

Omicron Delta Kappa, **David E. Wollersheim**, professor of mechanical and aerospace engineering, **Vera B. Townsend**, associate professor of art history and archaeology, **Kenneth Larson**, associate dean of the College of Agriculture and **Mitchell Murch**, UMC alumnus.

Two UMC faculty have been appointed to six-year terms with the Danforth Associate program.

Carolyn Dorsey, coordinator of black studies and assistant professor of higher education, and **Vera Townsend**, associate professor of art history and archaeology, have been selected for their major commitments to undergraduate teaching and their interest in humanizing teaching and learning.

"The appealing thing about the appointment," says Townsend, "is that you become eligible to apply for a grant of up to \$2,000 for the benefit of students. I'm interested in starting a sophomore advising project."

Dorsey also plans to use the program to benefit students. "I'd like to continue my work to get black studies and multi-cultural education into the curriculum,

both on the campus and into school systems," she says.

A UMC faculty member since 1977, Dorsey holds a Ph.D. from New York University and master's and bachelor's degrees from Kent State University.

Townsend came to UMC in 1961. She holds a Ph.D. from Emory University in Atlanta and master's and bachelor's degrees from the University of Georgia.

Six faculty were honored recently by the Missouri Chapter of Gamma Sigma Delta, the Honor Society of Agriculture.

Four of the seven received distinguished service awards. **William J. Murphy**, professor of agronomy, was recognized for his distinguished service as an extension worker. **Richard P. Dowdy**, chairman of the department of human nutrition, foods, and food systems management in the College of Home Economics, received his distinguished service award for administration. **Myron E. Tumbleson**, associate professor of veterinary anatomy and physiology, received the distinguished service award for research and **David A. Sleper**, assistant professor of agronomy, received the distinguished service award for research presented to a junior faculty member.

Three faculty received Gamma Sigma Delta superior teaching awards. All were nominated by College of Agriculture students. **William G. Hires**, assistant professor of agricultural engineering, received the undergraduate teaching award. **V. James Rhodes**, professor of agricultural economics, received the graduate teaching award, and **Tom Freeman**, professor of geology, was presented the teaching award reserved for a faculty member outside of the College of Agriculture.

The awards were presented at Gamma Sigma Delta's annual spring awards banquet held on the UMC campus April 22.

UMC faculty members **Homer L. Thomas** and **Albert Leonard Jr.** spent part of spring recess in England where they were among 200 scholars invited by Prince Hassan of Jordan to participate in a conference on the history and archaeology of his country.

Thomas and Leonard, both professors of art history and archaeology, were presented medals by the prince in recognition of their contributions to Jordan's culture.

The meeting was supervised by **Adnan Hadidi**, director of the department of antiquities of Jordan and recipient of a Ph.D. from the UMC art history and archaeology department in 1970.

Five physicians on the staff of the UMC Hospital and Clinics are listed among "The Best Doctors in the United States," a recently published "guide to the finest specialists, hospitals and health centers."

The five UMC specialists, chosen by their peers across the nation, are **Howard Reber**, specialist in gastrointestinal surgery; **Gordon Sharp**, rheumatologist with special expertise in lupus; **Karl Nolph**, nephrologist who is internationally known for his work in peritoneal dialysis; **Guilio Barbero**, pediatrician who heads the re-

search team in cystic fibrosis and is also an expert in pediatric gastroenterology; and **Charles E. Mengel**, hematologist with a special interest in anemia.

William C. Allen is the 1980 recipient of the W. Scott Johnson Award given annually by the Missouri Public Health Association to a member who has made outstanding contributions to public health.

Professor of family and community medicine at the UMC School of Medicine, Allen has devoted his medical career to public health and preventive medicine in Missouri, the citation states.

For several years he has directed the preceptorship program in which third- and fourth-year medical students spend a four-week period working with family doctors in small Missouri communities.



Corrine McCormack:
woman of the year

Corrine McCormack has been named Woman of the Year of Show Me State Chapter of the American Business Women's Association. The award was presented at the chapter's monthly meeting, April 28, at the Haden House Restaurant. McCormack is a senior secretary for the industrial research and extension department.

Annually, each ABWA chapter selects one of its members for this award. Selection is based on the member's achievement in her field of business, education, participation in the association, and in community activities.

As a qualified chapter Woman of the Year, McCormack may enter in competition for the 1980-1981 Top Ten Business Women of ABWA and the "American Business Woman of the Year" awards. Announcement of the national award recipients will be made at ABWA's 1980 National Convention.

Citations of merit for distinguished service in education were awarded to four educators April 12 by the UMC College of Education Alumni Association.

Cited were: **Nellie Kitchens**, Hickman High School mathematics teacher for 45 years; **Mera Williams**, associate professor emeritus in the College of Education at UMC; **Walter C. Brown**, former College of Education faculty member, now professor of industrial education at Arizona State University; **Halbert B. Tate**, professor of education at Northeast Missouri State University; and **Lloyd P. Jorgenson**, professor emeritus of educa-

tion at UMC and former director of the Semester Abroad program.

The honorees were selected by a College of Education faculty-alumni committee. Dean Bob G. Woods conferred the citations at the association's banquet in the Memorial Union.

Citation honoree **Walter C. Brown**, professor of industrial education at Arizona State University, was the banquet speaker.

Marilyn Marshall, Home Economics Aide in the Department of Human Nutrition, Foods and Food Systems Management since 1957, received a special award for exceptional service to the College of Home Economics from the Home Economics Alumni Organization during Home Economics Alumni, Students and Friends Weekend.

Marshall worked at Johnston and Gentry Halls between 1953 and 1957 before she transferred to the department of nutrition.

Ivan L. Zabilka became assistant registrar in the Office of Admissions and Records in February, 1980. As assistant registrar Zabilka is responsible for schedule of courses, catalog, classroom scheduling and Registration Office operations.

Zabilka received an A.B. from Ashbury College, an M.A. from the University of Kentucky, and will be awarded a Ph.D. in the History of Science from the University of Kentucky in May. He also holds a Master of Divinity and a Master of Theology from Ashbury Theological Seminary.

Zabilka comes to UMC with previous registrar experience at Ashbury College, Ashbury Theological Seminary and the University of Kentucky.

Doris Barnhart, secretary in the journalism continuing education program at the School of Journalism, was presented the Frank Clark award, plus \$500 in cash, by the Missouri Interscholastic Press Association in recognition of her dedicated service.

The presentation was part of High School and College Journalism Awards Day, held on April 15.

The Woodland and Floral Gardens Association recognized University faculty and staff with certificates of appreciation at the April 18 garden dedication. Recognized for support were **Pat Higgins**, administrative associate in the UMC Business Operations Office and the personnel of the Campus Shop of the Physical Plant, accepted by **Hugh Barnes**. Faculty recognized were **David H. Trinklein** and **Ronald Taven**, both professors of horticulture.

Kristin K. Offutt has joined the staff of radio station KBIA as promotion manager.

A graduate of the UMC School of Journalism, Offutt was continuity director at KOMU-TV prior to assuming her new duties. She is past president of both the student and professional local chapters of Women in Communications, Inc., and serves as president of the Columbia chapter of the Missouri Association for Children with Learning Disabilities.

New General Studies director shares enthusiasm, welcomes mavericks



Loretta J. Williams

Loretta Williams is looking for mavericks — “self starters with a spark of curiosity.”

Williams is director of the College of General Studies, where students can design academic programs to meet needs not fully satisfied through traditional courses of study. “The main qualifications for admittance to the College are an ability to articulate an educational goal and a high degree of self-confident independence,” says Williams.

An assistant professor of sociology, Williams assumed responsibility for General Studies when William Bondeson stepped down to give further attention to the new medical ethics program.

Williams recently shared her enthusiasm for the special college which has been part of the UMC campus since 1973.

“I want the college to be even more in the center of the intellectual community,” Williams says, “where students and faculty can discuss and promote foundations for a human — and humane — future.”

Williams describes herself not as a sunshine moralist but as a creative pragmatist seeking to affirm and promote the intrinsic worth and dignity of persons of all ages and stages. She welcomes additional faculty to serve as advisors, persons who can “nurture creativity and flexibility.”

Three-person faculty teams work with each General Studies student in planning a course of study that may take “some opening of doors” to gain enrollment in courses that schools normally offer only to their majors, Williams says.

General Studies students, many of whom are part-time students employed full-time, often include correspondence, UMA television courses and independent research projects in their degree programs.

Williams is especially interested in working with older students whose education has been interrupted. She notes that her own college career was split by over a decade of child-rearing responsibility.

Students usually enter General Studies in their sophomore or junior years and must take their final 30 hours in the program to earn the Bachelor of General Studies degree.

Although Williams stresses flexibility and talks about credit for prior experiences, she does not want the College of General Studies to be perceived as a haven for people wanting to circumvent requirements of other schools and colleges.

“We do not, for example, accept people wanting to avoid the foreign language requirements in Arts and Science,” she says. “We seek people who are goal-oriented, but don’t fit in with other programs. We’ll find a way to design a coherent program that is both academically sound and personally satisfying.”

Williams notes that graduates of the College have done exceedingly well in entering the labor force and graduate and professional schools.

“Institutions are looking for well-rounded persons who can communicate analytical and interpersonal skills,” Williams says, “and our General Studies graduates have the style, the substance and the nerve that make them succeed.”

The General Studies office is located at 420 GCB.

(Editor’s note: Williams recently received a Rockefeller Foundation Fellowship for the Humanities to continue her research interest in the new black middle class.)

— Alan Anderson

Researcher listens for earth’s secrets with ‘ear’

“Listen and learn” is an old adage being put to a new use by a UMC geologist who studies the Earth’s sounds in order to chart underground structures.

According to Eric J. Rinehart, assistant professor of geology, records of the sounds produced by microearthquakes can be used to predict the location of geothermal energy, fault lines and underground water.

Microearthquakes occur when sub-surface stress is released by the shattering of rock layers in an area about the size of a football field, he says.

“You can’t feel microquakes like you can earthquakes. On the Richter scale, used to measure the force of earthquakes, microquakes would range from one to minus two,” Rinehart says.

Because they are difficult to direct by normal seismographs, geologists listen for the sound of microquakes with special seismographs that electronically amplify the faint waves approximately a million times.

These electronic “ears” are so sensitive that they pick up the vibration of passing trucks, trains, distant earthquakes and even footsteps, Rinehart says. It usually requires months of practice before a geologist can distinguish one type of signal from another. But, once mastered, the patterns left by the microquakes provide geologists with

an otherwise unobtainable glimpse into the subterranean world.

Extensive measurement of microquakes began in Japan and spread to California and much of the rest of the United States. Nearby states, including Illinois, Kansas and Tennessee, have good programs to monitor microquakes, Rinehart says.

In Missouri, St. Louis University monitors extensively in the New Madrid fault region. Rinehart hopes to increase monitoring in Missouri by first studying microquakes near New Madrid and then moving north to the Iowa border during the next 2-3 years.

“By monitoring the frequency of occurrence and magnitude of microquakes and applying a mathematical formula we can predict roughly how often a large earthquake will occur, although not precisely where or when,” Rinehart says. Because the New Madrid earthquake swarm in 1811-12 was one of the strongest ever recorded within a “stable” continental area, such predictions may one day save lives there, he believes.

Rinehart, who has done extensive work in New Mexico on using microquakes to

locate geothermal energy (naturally-occurring steam, hot water and heat), feels geothermal possibilities may exist along the New Madrid fault because of indications of previous volcanic activity there. However, he cautions that discovering and tapping the energy would be expensive.

“If you drill deep enough anywhere you get low-level geothermal energy, about 60-100 degrees Fahrenheit, useful for heating a home. But sufficient energy for industrial applications is relatively rare in the U.S. California has the most, along with Wyoming, Montana, Utah, Arizona and New Mexico,” Rinehart says.

Geothermal energy is being used in California to generate electricity and in New Mexico to heat a research laboratory as well as a chili drying factory. Other nations, including New Zealand and Iceland, make extensive use of the heat that emanates from the earth’s interior.

However, as the cost of other forms of energy increase, more use will be made of “free” energy from the earth, particularly if methods of locating geothermal deposits improve, Rinehart believes.

“In the old days people looked for seepage at the surface to decide where to dig an oil well,” Rinehart says, “and that is about the stage we are at today with respect to geothermal exploration.”

Along a rift, that is, a crack in the Earth’s crust that allows some of the magma (molten rock) from deep in the planet to rise, there can be lots of geothermal energy but it may not show up in any visible way, Rinehart says. By using infrared mapping, electrical resistance tests and microquake monitoring, drilling accuracy will be improved, he feels.

“But, just because you have microquakes doesn’t necessarily mean there is usable geothermal energy present,” Rinehart cautions.

Geothermal energy, even if enough of it could be found in the right places, is not without its problems. Drilling equipment often cannot survive the high temperatures encountered, Rinehart says, and tapping the geothermal energy could cause the earth to sink, producing more microquakes.

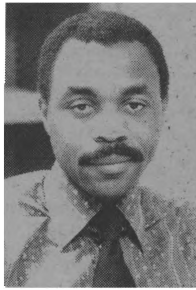
— Larry Myers

Footnotes

A compilation of the activities of UMC faculty and staff



Sara Pratt, senior research laboratory technician, veterinary medicine, will receive a master's in veterinary parasitology/microbiology in May through EAP.



Gary Hickman, personnel associate, Personnel Services, will receive a master's degree in counseling and personnel services through EAP.

Division of Biological Sciences

Paul Agris, associate professor, has received further funding for his research "Transfer RNA Structure During Protein Synthesis," from the United States Health Service in the amount of \$50,689.

John David, associate professor, has received \$48,596 in further funding from the National Institute of Health for his research "Structure and Activity of Myosin in Heavy Chain Gene."

Department of Classical Studies

Meyer Reinhold, professor, presented "A Final Judgment on the Vote of Athena," at the annual meeting of the Classical Association of the Middle East and South in Columbia, S.C., in March.

Dalton Research Center

Michael Nichols, research associate, will attend the NATO Advanced Study Institute on Chemically Sensitive Electronic Devices; to be held at the Peddie School Hightstown, N.J. from June 9-21.

College of Education

Robert T. Reys, professor of mathematics education, presented "Assessments Involving Handheld Calculators," at the American Educational Research Meeting in Boston; "Scoring Opened Mathematics Exercises" at the Research Council for Diagnostic and Prescriptive Mathematics in Vancouver, B.C. and "Results and Implications of the Second Mathematics Assessment for the Curriculum of the 1980s" at the National Council of Teachers of Mathematics meeting in Seattle.

Stevie Hoffman, assistant professor, co-authored "A Longitudinal Follow-Up of a Preschool Intervention Program for Mexican-American Migrant Children," published in *Reading Development*, Winter 1979. Hoffman also co-authored "Thought, Language and Reading Readiness," in *Reading Teacher*, December 1979 and "Developing Problem-Solving Readiness in Elementary School Children" in *Social Studies*, Jan.-Feb. 1980.

College of Engineering

Paul W. Braisted, professor and chairman of mechanical and aerospace engineering, as Vice President of Region VII of the American Society of Mechanical Engineers, participated in meetings of the Executive Council and the Committee on Regional Affairs March 14-17 in Memphis, Tenn.; the Regional Student Conference March 28-29 in Brookings, S.D.; and the Organization Day Program April 6-8 in Hoboken, N.J.

Braisted has received a two-year appointment as concluding chairman of the Committee on Regional Affairs and first chairman of the Council of Member Affairs of the American Society of Mechanical Engineers.

Charles E. Dunlap, associate professor of chemical engineering, presented a paper titled "Evaluation of Cellulose Materials as Biological Substrates" at the second annual International Symposium on Bioconversion and Bioengineering March 2-9 in New Delhi, India.

Jay Goldman, professor and chairman of industrial engineering, chaired a National Institute of Health seminar on Diffusion of Health Care Technology March 17-19 in Mount Pocono, Penn.

Jimmie Hinze, assistant professor of civil engineering, gave a short course titled "Cost Control" at the Center for Professional Advancement Feb. 14-15 in East Brunswick, N.J.

John T. Novak, professor of civil engineering, presented a seminar titled "Dewatering Characteristics of Biological Sludges" at Virginia Polytechnic Institute and State University March 6 in Blacksburg, Va.

Joseph V.R. Pajva, instructor in civil engineering, presented a paper titled "Azimuth Determination for the Nuclear Physics Experiment" at the annual meeting of the Land Survey Division of the American Congress on Surveying and Mapping March 13 in St. Louis.

John W. Rouse, Jr., professor and chairman of electrical engineering, participated in meetings of the Pro Mine Warfare Study Group March 16-18 and April

17-18 and attended an Earth Resources Synthetic Aperture Radar (ERSAR) briefing at NASA headquarters March 18-19 and an ERSAR Steering Committee meeting April 9. He served on a topical review board which discussed the Department of Defense Electronics Research at the National Academy of Science April 15-16. All meetings were held in Washington, D.C.

Rouse left April 29 for a NATO study tour of mine warfare in European nations. The tour included briefings in France, Italy, West Germany, United Kingdom, Denmark, Norway, Belgium, and the Netherlands and visits to naval fleets stationed in Europe.

James J. Smith, instructor in mechanical engineering, participated in the American Society of Mechanical Engineers four-state student conferences as UMC faculty advisor March 27-29 in Stillwater, Okla.

Michael C. Smith, assistant professor of industrial engineering, presented an address titled "Management Recording for Hospital Engineering/Maintenance Departments" at the Midwest Health Conference March 18 in Kansas City.

Mark Virkler, assistant professor of civil engineering, participated in a Guidance and Control Committee meeting for the Multi-State, Multi-Modal Corridor Project which is investigating transportation feasibility for an area from Kansas City to Jacksonville, Fla. The meeting was held March 31 in Birmingham, Ala.

Robert M. Eastman, professor of industrial engineering, presented two papers titled "Individualized Term Projects for Current Industrial Problems in Energy and Materials Conservation," and "Computerized Bibliography Searches for Industrial Engineering Students" at the Midwest meeting of the American Society for Engineering Education March 19-21 in Bartlesville, Okla.

Eastman co-authored a paper titled "Computerized Literature Search Experiences in Mathematics and Engineering" presented at the 18th annual meeting of the Association for Computing Machinery March 21-29 in Tallahassee, Fla.

Charles E. Dunlap, associate professor of chemical engineering, has received a \$15,000 grant from the Phillips Petroleum Company to study ways to improve the energy efficiency of the ethanol process.

Gregory Reed, assistant professor of civil engineering, has been awarded a \$7,169 grant from the City of Kansas City to study the feasibility of converting a wastewater main to a water main.

John W. Rouse, Jr., professor and chairman of electrical engineering, has accepted a \$71,059 grant from the National Aeronautics and Space Administration for administrative support for Earth Resources Synthetic Aperture working groups.

John O'Connor, professor and chairman of civil engineering, has been awarded a \$61,966 grant from the Tennessee Valley Authority to study the removal of chlorinated organics by activated carbon and macroreticular resins.

S.K. Loyalka, professor of nuclear engineering, has accepted a \$17,475 grant from the national Science Foundation for the study of mechanics of aerosols.

Loyalka also received \$10,000 from the University of Missouri-Columbia for work on the same project.

Henry Liu, professor of civil engineering, co-authored an article titled "Aerodynamics in Air Pollution Modeling," published in the March 1980 issue of *Transportation Engineering Journal* of the American Society of Civil Engineers.

Truman S. Storvick, professor of chemical engineering, chaired a technical session titled "Transport Properties: Measurements and Correlations" at the 72nd annual American Institute of Chemical Engineers meeting Nov. 25-29 in San Francisco.

Storvick participated in an American Paper Institute TAPPI Conference on the Chemistry and Physics of the Pulp and Paper Industry in October in Houston.

Storvick presented three Reilly Lectures in Chemical Engineering at Notre Dame University in November. He presented research seminars for the chemical engineering department in May and the mechanical engineering department in November at Virginia Polytechnic University, Blacksburg, Va. and for the chemical and environmental engineering department at Rensselaer Polytechnic Institute in October in Troy, New York.

Robert Leavene, assistant professor of electrical engineering, has received a \$5,000 grant from Rockwell International to develop a ground positioning system receiver.

S.K. Loyalka, professor of nuclear engineering, has been awarded a \$71,698 grant from the National Science Foundation to study Knudson drag forces in the mechanics of aerosols.

Robert McLaren, professor of electrical engineering, has accepted a \$44,266 grant from the U.S. Air Force to study the application of special computing techniques to speed image feature extraction and processing techniques.

Gregory Reed, assistant professor of civil engineering, has accepted a \$9,940 grant from the United States Department of Interior Office of Water Research Technology for an engineering analysis of the cost/benefit relationship for rural water supply treatment systems.

Michael Smith, assistant professor of industrial engineering, has been awarded a \$9,631 grant from the U.S. Air Force for an analysis of opportunistic maintenance policy for the F100PW100 aircraft engine.

Lewis N. Walker, assistant professor of electrical engineering, has received a \$350,000 grant from the Electric Power Research Institute to study the dispatch of battery storage devices on electrical power systems. Walker has accepted an Electric Power Research Institute subcontract from Iowa State for \$13,394 for a power system security assessment.

Ontario Hydro has awarded Walker \$15,000 for a load flow analysis of electrical power systems.

Stanley R. Bull, professor of nuclear engineering and director of graduate studies, has received a \$37,000 grant from the National Science Foundation to fund a three-week "Summer Workshop on Meeting the Energy Crisis - Comparative Risks and Benefits" for high school teachers in the Midwest.

Sudarshan K. Loyalka, professor of nuclear engineering, and **Truman S. Storvick**, professor of civil engineering, co-authored with N. Petrellis an article titled "Some Exact Numerical Results from the BGK Model: Couette, Poiseuille and Thermal Creep Flow Between Parallel Plates," published in the August 1979 issue of *Zeitschrift für Angewandte Mathematik und Physik*.

Loyalka co-authored with Storvick an article titled "Kinetic Theory of Thermal Transpiration and Mechano-caloric Effect. III. Flow of a Polyatomic Gas Between Parallel Plates" in the August 1979 issue of the *Journal of Chemical Physics*.

Loyalka co-authored with G. A. Pertmer an article titled "Gravitational Collision Efficiency of LMFBR Aerosols" which was published in the January 1980 issue of *Nuclear Technology*.

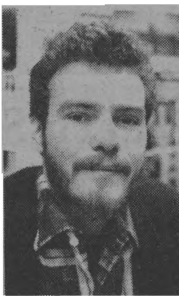
Storvick co-authored with S.B.K. Sun an article titled "Viscosity of Ammonia at High Temperature and High Pressure" in the April 1979 issue of the *Journal of Chemical and Engineering Data*.

Marlin Thomas, professor of industrial engineering, was the author of an article titled "A Generalized Maximum Entropy Principle" published in the November/December 1979 issue of *Operations Research*.

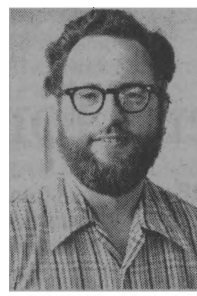
D.S. Viswanath, visiting professor of chemical engineering, is the author of *American Petroleum Institute Publication 711-Quinoline* published in December 1979 as part of the *American Petroleum Institute monograph series*.

Viswanath and R. C. Wilhoit, associate professor at Texas A & M University, are the authors of *American Petroleum Institute Publication 712 - Isoquinoline*, also published in December 1979 as part of the API monograph series.

The Alcoa Foundation has presented \$2,000 to the University to fund two \$1,000 scholarships - one in mechanical engineering and one in electrical engineering. E.I. duPont de Nemours & Co. has awarded a \$4,000 grant to the chemical engineering department.



David Rankin, computer programmer/analyst I, PATS Service, will receive a B.A. in interdisciplinary data processing in May through the EAP program.



Paul Hicken, senior laboratory mechanic, electrical engineering, will receive a master's in electrical engineering in May through the EAP program.

Department of Family and Community Medicine

Six papers will be presented by the faculty of the Department of Family and Community Medicine at the 1980 North American Primary Care Research Group Convention in Lancaster, Penn.

Papers and authors are:

"Resident Attitudes About Joint Physician-Nurse Practitioner Practice," **Carol Panicucci**, assistant professor;

"Health Maintenance and Behavior Change: A Controlled Study," **Barbara Levin**, former resident physician (with S. Waddle, C. Panicucci, M. Jabolsky, K. Henges, instructor; M. Flynn, professor and R. Blake, assistant professor.)

"Utilization of a Rural Nurse Practitioner Clinic," **Thomas Mackey**, former family nurse practitioner, (with C. Roberts instructor, M. Hosokawa and R. Blake.)

"The Unnecessary After Hour Medical Contact," **Donald Spencer** and **Allen Daugird**, third year resident physicians;

"Effect of Eggs, Beef, Chicken and Pork on Human Serum Cholesterol, Triglycerides and High Density Lipoproteins," **Margaret Flynn** and **Georgia Nolph**, associate professor.

School of Forestry, Fisheries and Wildlife

William Elder, professor, spoke to the Columbia Audubon Society on "Foods and Feeders for Winters Birds," Nov. 4. He also addressed the Tri-Beta Biology Society of Central Methodist College in Fayette on "Some African Animals I Have Met."

Fred Samson, assistant professor, presented "Multivariate Analysis of Cranial Characters Among Bobcats, with a Preliminary Discussion on the Number of Subspecies," at the Bobcat Research Conferences sponsored by the National Wildlife Federation and Endangered Species Scientific Authority.

He also presented "Use of Mountain Meadows by Bird Populations" Feb. 11-14 at a workshop, sponsored by the U.S. Forest Service.

Tom Baskett, professor, made a presentation to the School of Forestry, Fisheries and Wildlife Advisory Council Research and Graduate Education Committee in September, concerning long-range mourning dove research at the Wildlife Unit.

Jack Slusher, professor, presented a "White Paper Summary" at North Central Small Private Woodlands Owners Conference in Milwaukee.

He also served on a panel for the Small Private Woodland at a technical session at the Society of American Foresters' convention in Boston in October.

Leigh Fredrickson, professor, served as F. O. Butler lecturer at South Dakota State University in Brookings and made four presentations: "An Evaluation of the California Duck Club Feeding Program," "Ecology and the Behavior of Penguins," "Ecology of a Lowland Hardwood Ecosystem," and "Wintering Ecology of Waterfowl."

Erik Fritzell, assistant professor, presented a talk to the Missouri Trappers Association Annual Rendezvous Sept. 15 in Blackwater. He also served as panel moderator for the Missouri Symposium on Animal Problems Oct. 12 in Jefferson City.

Richard Anderson, associate professor, participated in a debate with Missouri Department of Conservation staff on "Approaches to Assessing Fish Populations" in November. In December Anderson presented a two-day workshop on new perspectives and approaches to fishery small impoundment management for the Ohio Department of Natural Resources Fish Section biologists.

Sandy Nash, professor, presented "some Practical Problems in Remote Sensing in International Assistance Programs" at the International Symposium on Remote Sensing in Moscow, Idaho.

Department of Geology

W. D. Keller, professor emeritus, discussed "Longevity-Shortevity Regions in the USA and Associated Geochemical Environments," before the Sigma Xi research chapter of the Roche Research Center, Newark, N.J. He also presented a graduate seminar on "Textures of Kaolins Observed in Scanning Electron Micrographs" to the geology department at Rutgers University, Newark.

Department of Germanic and Slavic Studies

Inge Henderson, assistant professor, was one of the two recipients of the Purple Chalk Award in the humanities division of Arts and Science. The award is presented annually to outstanding teachers elected by the Arts & Science student body.

Henderson has recently published three articles: "Stricker-Handschrift Dred. m 56: Zur Rezeption des Artusstoffes im Burgertum des 15. Jahrhunderts," in *Res Publica Litterarum* 2 (1979); "Die Frauendarstellung im nachklassischen Roman des Mittelalters," in *Amsterdamer Beiträge zur älteren Germanistik* 14 (1979); and "Aspects of Teaching Medieval Culture," an invited article in *Ralph: A Newspaper for Medieval and Renaissance Teaching* 6, No. 2, 1979.

Adolf E. Schroeder, professor, served as the Missouri Committee for the Humanities evaluator for the Washington University Symposium on Contemporary West German Literature in March.

John Sharp Jr., associate professor, chaired a meeting on engineering and environmental geology at the regional meeting of the Geological Society of America at Bloomington, Ind., April 10-12. He also presented a paper he co-authored with Morris Hall of Rockwell International and Eric Rinehart, assistant professor, on "Delineation of Northwest Missouri's Buried River Valley Aquifers by Gravity Geophysics."

Walter Keller, professor emeritus, also attended the meeting and presented "The Sedimentology of Flint Clay."

John Sharp Jr., associate professor, published with Olav Malvik and Russell Burmester, former student and staff member of the geology department "Applicability of Gravity and Seismic Methods for Delineating Northwest Missouri's Buried River Valley Aquifers" in the *Transactions of the Missouri Academy of Sciences*.

College of Home Economics

Ivan Beutler, assistant professor, and **Alma Owen**, graduate assistant, presented "Home Production as an

Alternative in an Energy Deficient-Inflationary Economy" at the American Association of Consumer Interests meeting in San Diego April 18.

Shirley Richardson, instructor, and area specialists Cathy Dierking Farmer and Ruth Dieffenderfer, presented a paper "Pocketwatch: A Comprehensive Project in Computer Assisted Instruction" at the San Diego meeting.

Bea Litherland, dean, served as chairperson of the New Initiatives for Home Economics regional conference held recently in St. Louis. Gail Imig, associate dean for extension, served as a discussion leader and Ed Metzner, professor, served as a recorder at the conference.

Litherland also helped determine the goals of next summer's White House Conference on Families at a recent public hearing in Fulton.

Gail Imig, associate dean of home economics extension, is serving on the Missouri Advisory Committee to the White House Conference on Families. The committee is responsible for interpreting the results of regional hearings to the national advisory council.

Mel Zelenak, assistant professor, participated in a recent White House Office of Consumer Affairs conference. Zelenak gave input on how federal agencies can be more responsive to consumer needs.

Marilyn Coleman, associate professor and chairman of child and family development, served as consulting editor of "See How They Grow," a new text designed for teenage students on concepts in child development and parenting. The book is from Butterick and became available for previewing in April.

Aimee Moore, professor in the College of Home Economics and the School of Health Related Professions, has received a \$3,000 grant from the American Dietetic Association Foundation for a project to develop a methodology for determining appropriate levels of competency required for the specialist in management dietetics. Linda Lafferty, instructor and program leader of the foods systems management coordinated undergraduate program will conduct the project.

Lois Korstlund, associate professor of clothing and textiles and president of the Missouri Home Economics Association, presided at the annual meeting of the Association April 24-26 in Springfield.

Phyllis Pirner, assistant professor of child and family development, was a member of a panel that discussed "White House Conference on Families" at the Missouri Home Economics Association meeting.

School of Library and Informational Science

Thomas R. Kochtanek, assistant professor of information science, presented a workshop, "Measurement and Evaluation for Professional Librarians," in St. Louis March 6-7 and in Kansas City May 1-2.

Kochtanek's paper "A Model for Serials Acquisition," will appear in *Library Acquisition-Practice and Theory*, Vol. 4, No. 2.



Elena J. Andree, head resident, Gillett Hall, will receive a master's in education in May through EAP.



John Phelps, research associate, Wood Formation, will receive a Ph.D. in Wood Science through EAP.

Mary F. Lenox, associate professor of library science, addressed the Awards Dinner of the American Association of University Women in Jefferson City recently. Her topic was "Challenge to the 80's: Can You Make a Difference?"

Lenox published an article, "Library Outreach: Getting Programs to Youth," in the April, 1980 School Library Journal.

Department of Microbiology

Richard Finkelstein, chairman, presented the lecture "Current Developments with Cholera Vaccines," at the 25th anniversary Biologic Conference on New Developments with Human and Veterinary Vaccines, held under the sponsorship of the Israel Institute for Biological Research in Zichron Yaacov, Israel.

Finkelstein and his associates have developed a mutant strain of *vibrio cholerae*, the causative agent of cholera, which offers promise as a vaccine against cholera and other diarrheal diseases such as typhoid.

Finkelstein also consulted with the Diarrheal Disease Control Program of the World Health Organization and presented a seminar on "Cholera and Related Enterotoxic Enteropathies" by invitation at the Swiss Serum and Vaccine Institute in Berne, Switzerland.

Department of Plant Pathology

O. P. Seigal, professor, has been nominated to serve on the editorial board of *Virology* as an associate editor for three years. *Virology* is a publication of the Academic Press and receives world-wide distribution. He has also written an article on "Sobemoviruses in Comparative Diagnosis of Viral Diseases," to be published by Academic Press.

Department of Psychology

Robert Daniel, professor, presided at the dedication of the Arthur W. Melton Library at the headquarters of the American Psychological Association in Arlington,

Va. The library was named for Arthur Melton, who was chairman of UMC's psychology department from 1935-41. Melton was honored for his service to the association's program of publishing scientific journals. Melton died in San Antonio, Texas in November 1978.

Paul King, professor, presented a workshop on Psychological Supervision to the Psychology Fellows at the Menninger Foundation in Topeka, recently. He was also appointed to the National Board of Trustees of the American Board of Professional Psychology. During April and May, he will be in London, studying and doing research at Tavistock Clinic in preparation of a manuscript on Ego Psychology and Object Relations Theory.

Charles J. Krauskopf, chief, research/evaluation unit, has been elected a Fellow in the Society For Personality Assessment.

Timothy A. Salthouse, assistant professor, has been selected to participate in the Summer Institute on Life-Span Human Development: Interdisciplinary Perspectives, July 8-August 15 at Stanford University. The institute is sponsored by Stanford's Center For Advanced Study in the Behavioral Science.

School of Social Work

Charles F. Mitchell, associate professor emeritus, received the Social Worker of the Year Award from the Missouri chapter of the National Association of Social Workers at the annual meeting of the association March 31 at the Alumni Center. Mitchell is currently a member of the Columbia Community Services Commission.

Barry L. Levin, professor, presented a paper "Preventative Mental Services for the Frail Elderly" at the annual meeting of the American Public Health Association in New York City. He also presented a progress report on research on "Concepts of Continuum of Care for the Frail Elderly" to the annual meeting of the Gerontological Society in Washington D.C. In February Levin was session chairman and discussion leader for a seminar on "Issues and Answers on Continuum of Care for the Elderly" at the 75th Annual Mid-America Conference on Aging in Omaha, Nebraska.

College of Veterinary Medicine

J. Burns, resident, received an award and a certificate as the outstanding graduate student teacher at UMC April 9.

D. C. Blenden, professor, presented "Rabies in Missouri Wildlife," for the agents of the Missouri Department of Conservation April 7 in Washington.

C. P. Moore, resident, presented "Animal Models in Comparative Ophthalmology" for the Medical School's Ophthalmology Department Seminar in Columbia March 26.

M. J. Bojrab, professor, presented "Surgery of the Respiratory System and Chest" for the Connecticut VMA, Hartford, Conn., March 26.

P. Roudebush, assistant professor, presented "Small

Animal Respiratory and Internal Medicine" for the Wichita, Kansas VMA March 29.

L. C. Fulkner, associate dean, presented "What Breeders Should Know About Reproduction," at the Canine Reproduction and Artificial Insemination Short Course, March 13-16, at Fort Collins, Colo.

K. Digilio, resident; J. M. MacDonald, assistant professor and J. D. Rhoades, associate professor, participated in the Canine Care Course in Kansas City, March 15. Digilio presented "Cardiomyopathy;" MacDonald presented "Cutaneous Neoplasia;" and "Basic Endocrinology." Rhoades, in addition to chairing the program, presented "Kennel Sanitation." MacDonald also presented "Deep Pyoderma Complex-Dermatology Potpourri" for the Ozark Academy of Veterinary Medicine, Springfield.

D. C. Blenden professor and J. D. Rhoades, associate professor, have completed the 20-minute film, "Think Rabies First," which will be distributed to veterinary colleges and groups by the Schering Co., which also funded productions.

J. J. Bojrab, professor and M. J. Dallman, instructor, have published "Tracheal Resection and Anastomosis," in *Canine Practice*, 7, 1:69-74.

S. G. Stoll, associate professor attended the 11th annual course "Internal Fixation of Fractures and Non-Unions," of the American Society of Internal Fractures in Columbus, Ohio, March 18-23. Stoll also presented the basic courses "Technique of Total Cerclage Wiring," and "Treatment of Fractures of the Distal Femur, Patella and Proximal Tibia," and the advanced courses: "Principles and Application of Cerclage Wires," and "Fractures and Arthrodesis of the Stifle Joint."

J. M. MacDonald presented "Facial Dermatoses: Differential Diagnosis and Diagnostic Approach" for the Kansas City VMA, March 20 Kansas City.

J. L. Lenz, assistant professor, was elected president-elect of the Midwest Branch of the American Association for Laboratory Animal Science. J. E. Wegner, professor, also attended the group's annual meeting March 21-22 in St. Louis and presented "AALAS in the '80s."

D. C. Blenden, professor, presented "Rabies in Wild Animals," for the Missouri Department of Conservation program "Wild Animal Problems in Urban Area," held in St. Louis March 24.

B.D. Jones, assistant professor, presented "The Use of Endoscopy in the Practice of Veterinary Medicine" to the Greater Syracuse, New York, VMA Feb. 13-15.

Four members of the college spoke at the Canine Care Program held in St. Louis Feb. 16. J.M. MacDonald, assistant professor, presented "Endocrinology and Skin Tumors;" J.O. Noxon, resident, presented "Cardiomyopathy in the Dog;" J.D. Rhoades, associate professor, presented "Kennel Sanitation and Management;" and S.T. Simpson, assistant professor, presented "Epilepsy - Paralyzed Dog."

J. Balke, resident, presented "Parturition in the Mare" to a 4-H group in Marshall Feb. 19.

Uehling stresses concepts of quality, community

Posing the question, "Are we making a better quality institution?" Chancellor Barbara Uehling discussed UMC's progress in meeting seven goals she outlined last fall.

The address opened the General Faculty Meeting April 23 in Jesse Auditorium.

Looking at the first goal — the fostering of quality — the chancellor said that students, faculty and programs act as measures of quality, but the major index is in terms of what happens to people. "Are people significantly changed by their participation in the institution?" she asked.

Uehling cited some facts that could define UMC's quality, such as the high grade point average of UMC freshmen and the attraction of the highest number of National Merit and Achievement Scholars in the Big Eight to UMC.

The chancellor expressed pride in the distinction of faculty, staff and students, including UMC's teaching assistants. Some outstanding faculty mentioned were internationally-known Pierre Crabbe, chairman of the chemistry department, the four campus Fulbright

Koeppe, Quattrocchi thanked for service

During the General Faculty Meeting Chancellor Uehling issued a special citation of appreciation to interim Provost Owen Koeppe. Koeppe received special thanks for serving as chief academic officer since 1973, and for "earning the respect and admiration of his faculty and fellow administrators because of his fairness, integrity and comprehensive knowledge of the academic program."

Also given special thanks was interim vice chancellor for administrative affairs Frank Quattrocchi, who had received a chancellor's citation earlier at the Staff Recognition Awards Ceremony April 21.

Hays Award winners, Gerald Perkoff, Curator's Professor in family and community medicine, James Lampe, winner of the Price-Waterhouse Foundation Auditing Professorship, and John Miles Foley, winner of a Guggenheim Fellowship.

Recognition by professional societies is a measure of faculty accomplishment, the chancellor said, adding that UMC ranks second in the nation in faculty holding fellowships from the American Council of Learned Societies.

Saying that "We have come a long way toward our research goals, and we have further to go," the chancellor addressed UMC's second goal, continuing emphasis on the support of research. Research grants have increased 11 percent and training grants 35 percent this year, she said; the department of physics increased its research dollars by a factor of 10 in the last five years.

A third goal was continuation of planning efforts. "We have made considerable progress through the two futures committees," she said. Some important statements from those reports highlight UMC's institutional direction: a high priority on the education and development of students; making instruction effective and responsive; emphasizing scholarship in a culturally rich campus environment; and being responsive to the needs of the society and the state.

Development of more generally understood criteria for research allocations was the fourth goal, and the chancellor said criteria should be related to a planning model.

"Although we are glad for new buildings and hope for more," the chancellor said, there is a shift in emphasis to needed maintenance, renovation and repair. To meet UMC's fifth goal of a new look at the physical

plant, painting and landscaping are also being done.

The sixth goal was increased commitment to equal opportunity. "We lack information in important areas," the chancellor said, "so it is difficult to measure our progress. But we now have new information procedures and have revised our goals in hiring protected groups. The campus affirmative action plan is nearly complete, and UMC's transition plan for accommodating facilities for the disabled has been approved by the Office of Civil Rights.

Characterizing UMC's efforts toward equal opportunity as "a mixed picture," the chancellor said that although UMC has increased academic support for minorities, and improved recruiting and summer programs, black student enrollment at UMC is only 3.7 percent of the student body. Considering that twelve percent of Missouri high school graduates are black, the chancellor said, much

more needs to be done.

The seventh goal was to conduct a review of fair practices within the institution. Strides made in this area include publicizing the refund policies for students, looking at student conduct procedures, and insuring fair review of complaints for faculty through the faculty grievance procedures. "We will continue to work toward a commitment to fair treatment and the need to communicate the expectations of faculty," the chancellor said.

The final goal was to develop a better sense of community at the University. "Although this is a most difficult goal," the chancellor said, "I have seen it in your response to United Way, and your participation on committees." A sense of community was demonstrated in Staff Recognition Week, she said. "We are continuing to shape our community and to create that influence which will make us better than ourselves."

West reports on Faculty Council

Faculty Council Chairman David West provided faculty with a quick wrap-up of the council's year of activities at the April 23 General Faculty Meeting.

He said the council works both to represent the faculty as an advocate and to contribute to the campus by responding to the chancellor. He stated that the council's most important activity this year is the Report of the Task Force on Faculty Development; an effort will be made to put the recommendations into place next year. The work on the Tenure Revisions is coming to a close, he added, and the UM Task Force on Staff Benefits recently issued its report. The Faculty Council Staff Benefits Task Force has responded to that report.

Other highlights of the year:

- The School of Health-Related Professions was voted a council seat 615-125.

- The Academic and Faculty Affairs Committee has worked on the Tenure Revisions and the Academic Dishonesty Policy, both of which are not yet resolved. If the curators approve the tenure recommendations in June, AAUP should lift its censure of the Columbia campus.

- The Fiscal Affairs Committee conducted a preliminary salary study.

- The Student Affairs Committee evaluated two drafts of student grievance procedures; those procedures should be in place this year.

- The Special Projects Committee has reviewed the Multiple Section Night Exam Problem.

This week



The University of Michigan Symphony Band will present a concert ranging from serious music to orchestral marches May 6 at 7:30 p.m. in Jesse Auditorium. Tickets are \$3 and \$1.50, available at the University Band Office, Room 2 Jesse Hall.

All events are free unless otherwise noted.

2 Friday

Studio Theatre: "Infancy," 7:30 p.m., Studio Theatre, basement of Gentry Hall. Tickets are 50 cents and available at the door.

University Club Luncheon: Harrison Brown, 1980 Thomas Jefferson Distinguished Visiting Professor, will discuss future challenges to social and technological capacities, noon, N214 Memorial Union. Reservations may be made by calling 882-6511; tickets may be purchased at the door.

Students' winning essays reveal their appreciation

A learning experience that taught more than just the subject matter was the focus of the First Annual Student Foundation Chancellor's Award Essay Contest.

Students were invited to write about an experience where a UMC teacher encouraged the student's development. Diana Dawson won first place and \$500; Dallin Malmgren, \$300 and third place winners Bernita Cauthen and Lisa Childs, \$100 each.

Three ideas were prevalent through the 21 essays submitted, according to Winifred Horner, coordinator of the judging.

In her words and the students': "First the students respect teachers who require them to work hard," said Horner.

"To assure that we would someday achieve our goals, he would work us without mercy." — Student.

"Second, Horner said, they appreciate

3 Saturday

Friends of Library luncheon: Christopher Lehmann Haupt, senior daily book reviewer of the New York Times, 12:30 p.m., N-210 Memorial Union. Call 882-4701 for ticket information.

Studio Theatre: "Infancy," 7:30 p.m., Studio Theatre in basement of Gentry Hall. Tickets are 50 cents and available at the door.

the professor who shows enthusiasm and a thorough knowledge of the subject matter." ". . . she absolutely reeked of enthusiasm. Enthusiasm for the subject, for the students, for the essays and probably for the very fact that the sun rose each day." — Student.

"And above all," Horner said, "The students appreciate the teacher who gives them extra help with a subject."

"There is no possible way that I can every repay that professor for the time and effort that he shared with me; however, I know he would be pleased if I would do the same someday for a lonely frustrated student as I once was." — Student.

The contest was judged by Howard Hinkel, Howard Fulweiler and Don Lance. It was coordinated by Chuck Treasurer, a senior in the College of Arts and Sciences.

4 Sunday

International Night Dinner at the Memorial Union: Seafood Night, cafeteria, 5-6:30 p.m. Prices vary.

5 Monday

Special Topics in Biochemistry: "Searching for a Ribosomal-Protein Genes in Yeast," Julian Davies, department of biochemistry, University of Wisconsin at Madison, coffee at 3:40 p.m., seminar at 4 p.m., 322 Chemistry.

6 Tuesday

Concert Series: University of Michigan Symphonic Band, 7:30 p.m., Jesse Aud. Tickets are \$1.50 for students and \$3 for adults. Tickets are available at the University Band office, Room 2 Jesse Hall, from 8 a.m. to 5 p.m., and at the Jesse Aud. Box office May 5 and 6 from 10 a.m. to 4 p.m. and from 6 to 7:30 p.m. the evening of the performance.

7 Wednesday

Information Science Group/Health Care Technology Center Seminar:

Museums open Commencement Day

Families of graduates may want to tour the campus on Commencement Day. Three museums will be open.

The Museum of Art and Archaeology, Pickard Hall is open noon to 5 p.m., with special exhibits of Masters of American water color and ancient medical instruments. The Museum of Anthropology in Swallow Hall is open 11 a.m. to 3 p.m., and contains exhibits on Midwestern archaeology and cultures of the Americas, Africa and Asia.

The Geology Museum offers fossils, rocks, and minerals on the ground and first floor corridors of the Geology Building, from 8 a.m. to noon.

"Artificial Intelligence Applications to Coagulation," Lamont Gaston, professor, UMC, 4 p.m., Information Center Conference Room, Lobby of Clark Hall.

8-11 Sunday

No events scheduled.

Exhibits

Museum of Art and Archaeology: Masters of American Water Color exhibit, featuring the works of John Singer Sargent, Maurice Prendergast, John Marin, Andrew Wyeth and Alexander Calder. Also on display through May 16, an ancient medical instruments exhibit. Gallery hours are noon to 5 p.m. except Monday.

Fine Arts Gallery: Graduate Show featuring works of Vicki Varner and Craig Hettler on display from May 4-16. Hours are 2 to 4 p.m. Sunday, 9 to 2:45 p.m. Monday through Friday.

Ellis Library: Publications from the faculty of the department of entomology are on display through May in the main lobby. The library is open from 7:30 a.m. to 11 p.m. Monday through Friday, 8 a.m. to 11 p.m. Saturday and 2 to 11 p.m. Sunday.

These museums are on Francis Quadrangle, which is an Historic District on the National Register of Historic Places. Also on the Quadrangle is the original grave marker of Thomas Jefferson.

The Glen Smart Waterfowl and Upland Game Bird Collection, corridors of LeFevre Hall, University Avenue near College, is open 8 a.m. to noon. Its cases hold ducks, geese, swans, pheasants, quail and many other birds.

The recently dedicated Woodland and Floral Gardens are adjacent to the Agriculture Building, Hitt and Rollins.

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