

Self-sufficiency on the farm

UMR researchers studying alternative energy source

Natives in the Ozark hill country of South Central Missouri call Ted Landers and his wife, Rosemary, the "new breed." The Landerses are among many successful, young Americans who have decided they no longer want to live a hectic life in the city. They have moved back to the farm, where they can be self-sufficient.

Self-sufficiency on a farm in this modern day, however, means something more than it did in the days of the pioneer. Self-sufficiency today involves electricity, fuel for heating and cooling and the operation of farm machinery and fertilizer for land that is less than ideally suited for all crops.

As a mechanical engineer with a master's degree in management and a particular interest in systems, Landers finds these new problems a great challenge. He and Dr. James Gaddy, associate professor of chemical engineering at UMR, and several graduate students plan to prove that modern-day self-sufficiency in energy is possible for the individual farmer.

"The current energy crisis has created interest in the development of alternative energy sources," Dr. Gaddy says. "We think that plant matter is an attractive energy alternative after it undergoes a conversion process. One of the advantages is that energy crops can be grown and used for energy on individual farms."

It has been known for some time that methane, or natural gas, can be produced from crop matter by metabolism of certain bacteria in the absence of oxygen. This is a simple process that requires minimal attention and, consequently, would be suitable for operation on a farm.

The process being instituted on the Landers farm, financed by Title V rural development funds administered through the extension division, involves the production of methane from hay or crop wastes. On other farms this could include such wastes as cornstalks. Laboratory studies indicate that the energy (heat and electricity) for a typical farm can be produced from hay grown on about five acres.

"By setting up the system on the Landers farm," Dr. Gaddy continues, "we hope to demonstrate the feasibility and economics of energy self-sufficiency for the typical Missouri farmer."

The energy system is located at the top of a hill for ease of fertilizer distribution. It is designed by the UMR research group to produce 700 cubic feet of methane per day. The heart of the system is four 4,000-gallon reactors. These tanks hold a mixture of hay, crop wastes, water and bacteria used to produce methane. Residue from the reactors will be used as fertilizer.

The remainder of the system consists of machinery to chop up the hay, a gas storage tank and tanks for storage of water and bacterial cultures. This equipment will be enclosed in a building large enough to store surplus hay and crop wastes.

The methane will be used for heating the farmhouse, for cooking and for refrigeration with a gas refrigerator. An electric generator will burn gas to produce electricity for the farm needs. Hot exhaust gasses from the generator will heat the equipment building to 95 degrees Fahrenheit, the best temperature for producing methane.

When completed, the energy facility will have cost about \$6,000 and will result in savings of \$800 per year in propane and electricity. Later, equipment will be added to convert methane into fuel for farm machinery.

Meanwhile, Gaddy and his students are conducting laboratory experiments to establish optimum amounts of gas produced. They will study the fertilizer potential of the project and the possibilities of producing alcohol for use as fuel for farm machinery. They will also keep records to establish the economic benefits of the system and study improvements and innovations on the equipment.

With the current support available,

the group estimates it will take about a year to get the system working efficiently and for it to become entirely self-sufficient.

"We think this project will demonstrate the value of cooperation between individuals with specific problems and educational institutions such as UMR that can provide technical information and assistance in the solutions to the problems," says Dr. Gaddy. "You might call it American ingenuity."

"And speaking of ingenuity—we also think that with more time, work and money, this same type of system could be expanded to the point where it could produce gas for heating homes in metropolitan areas as large as Kansas City or St. Louis. But that's another story."

—Sally White

Report identifies new trends in graduate education

Projected trends in graduate education call for new federal, state and institutional policies, according to the final report of an extensive study by the National Board of Graduate Education.

"In recent years," the report said, "the dominant model of graduate education, in aspiration if not in fact, has been full-time study for the Ph.D. degree by students who have recently received baccalaureate degrees. The great expansion in number of doctorate-granting institutions in the past two decades received much of its internal impetus from the prestige accorded the traditional Ph.D. program and those faculty members associated with it. In addition, during the 1960s the rapid growth of undergraduate enrollments and of sponsored research in the universities made the decision to start new doctoral programs economically rational because of the substantial complementarities between these activities and graduate education. Graduate students were needed as teaching assistants in the expanding public universities, and they were equally valuable as research assistants on the growing number of

sponsored research projects. That unique period of growth has ended, however, and the universities must adapt to the changing circumstances."

The report identified eight major trends which it said would affect graduate education:

- A steady reduction in demand for new Ph.D.s to serve as college and university faculty members through the 1980s.

- A reduced rate of growth of R & D expenditures relative to that of the 1960s, and hence reduced growth rates of demand for new Ph.D.s in such activities (there will undoubtedly be specific research areas, however, that grow much faster than the average).

- A substantial supply adjustment on the part of students and universities that will reduce the number of new Ph.D.s awarded well below the number projected on the basis of past trends; in many fields, however, the supply of new doctorates will exceed the demand from traditional, discipline-related sources.

- A continuing decline in the total amount of financial support available to full-time graduate students, thereby increasing the relative importance of loans and self-support.

- Some increased enrollment demand by "nontraditional" graduate students, e.g., older students, part-time students, nonresidential students, women returning after child-rearing and nondegree students.

- An increase in the number of women and minority students seeking graduate education.

- Continued focus on accountability, including program evaluation, cost analysis and other measures of program performance.

- No large new programs to support graduate education, barring a major intellectual breakthrough in some discipline or a substantial shift in national priorities.

Task Force presses fee study

The Fee Structure Task Force established by President Ratchford to study the University's system of assessing fees met in a marathon seven-hour session last week to discuss the basic principles that should underlie UM's charges to students.

"The group is in general agreement that the incidental fee should be charged on a basis closer to a straight per-credit-hour rate than the current flat rate for nine hours or more, because of increasing numbers of part-time students and questions of equity in total charges for the number of hours required for a degree," Dr. Mel George, vice president for academic affairs, says. "The Task Force feels that some differentiation of fee on the basis of student level (undergraduate, graduate, professional) may be justifiable, but has some reservations about charging on the basis of costs at the individual program level."

"The Task Force agreed on some alternatives for the incidental fee structure, including possible level differentiation, and for out-of-state tuition. Members of the Task Force will be discussing these alternatives with student, faculty and administrative groups on the individual campuses over the course of the next two or three weeks."

The Task Force is scheduled to meet again on March 5 to discuss input from the campuses and to try to draft some more definitive recommendations. President Ratchford has asked for a report by April 1.

Conference on opportunities for women

UMR is sponsoring a conference—"Opportunities: Women in Management"—to be presented April 20-21 in Columbia.

The conference is intended to deal with the challenges and opportunities confronting women who are, or who want to be, in managerial positions in industry, government or education.

Among those scheduled to take part in the presentations are the honorable Helen Delich Bentley, former chairman of the Federal Maritime Commission; Dr. Helen Z. Lopata, professor and director of sociology at Loyola of Chicago; and Dr. Patricia Jakubowski, associate professor of behavioral studies at UMSL.

Further information may be obtained from Norma Fleming, Extension Division, UMR, Rolla, Mo. 65401 (Phone: 314-341-4201).

Spectrum

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New Letters focuses on Goodman

A number of previously unpublished stories by Paul Goodman appear in a 256-page special double issue of *New Letters*, UMKC's literary quarterly.

Goodman, who died in 1972, is probably best remembered for his book *Growing Up Absurd* and for his stinging social commentary. He always thought of himself, however, as primarily a creative writer, and the stories in this collection, plucked from his legendary trunk, go a long way toward justifying that opinion.

Several short pieces about Goodman and his work are included, as is an extensive bibliography of both primary and secondary material. Taylor Stoehr, Goodman's biographer, assisted David Ray as co-editor of this issue.

Copies, priced at \$5, may be obtained from the *New Letters* office, 5346 Charlotte, Kansas City, Mo. 64110 (Phone: 816-276-1168).

UMA research papers

The public affairs office of the University of Mid-America has announced the availability of a series of research and evaluation papers relating to UMA.

A complete list may be obtained by writing to the Office of Public Affairs and Information Services, University of Mid-America, P.O. Box 82006, Lincoln, Neb. 68501.

Liability coverage altered

Employees driving their personal automobiles on University business no longer have excess liability insurance coverage under the University's insurance policy, according to Bob Marriott, director of insurance and risk management.

"This means," Marriott says, "that employees must rely on their own automobile liability policy for protection against claims for bodily injury and property damage, when using their own vehicle on University business."

"Negotiations are under way with the University's current insurer to see if this coverage can again be provided during the policy year ending June 30, 1976. In any event, this coverage will be requested in the negotiations with all insurers for the renewal policy effective July 1, 1976."

A Business Policy and Procedure Manual Bulletin will soon be issued to advise manual holders of this change in coverage.

UM Press announces new book

The University of Missouri Press has published *Nicomedes Guzman: Proletarian Author in Chile's Literary Generation of 1938*, by Lon Pearson, assistant professor of Spanish at UMR.

Guzman was a leader in the Chilean literary generation of 1938, one of the proletarian movements that set the stage for the presidency of Salvador Allende. His writings include *La sangre y la esperanza*, which won the prestigious Santiago Municipal Prize in 1944.

Pearson covers both Guzman's life and work, as well as the Generation of 1938. Copies of the 320-page book are available for \$13 from the UM Press, 107 Swallow Hall, Columbia.

New curator confirmed by Senate

Mrs. Barbara A. Berkmeier's appointment to the UM Board of Curators was confirmed Feb. 4 by the Missouri Senate. She was appointed in October to replace William S. Thompson, who had resigned to accept a business offer in Chicago.

Mrs. Berkmeier, a UM graduate, is a former schoolteacher. She is also a four-time winner of the state women's golf tournament.

Her term expires in January 1979.

Answer Line

Questions to be answered in this column should be addressed to Answer Line, 424 Lewis Hall, Columbia. Correspondents need not identify themselves, but they are urged to do so, should some clarification be required. The editor guarantees absolute anonymity.

Q — I recently received a University publication entitled *A Pictorial Review*, and found it to be very nice. However, I wonder why so much money was spent to let me know that we have so little to spend.

KAREN ESSER
Sr. Fiscal Analyst
College of Veterinary
Medicine
UMC

A — Exact costs of publishing and mailing *A Pictorial Review* to UM donors, selected alumni, certain groups of government, business and civic leaders are not yet known. All the bills have not been received. However, the cost is estimated at 50 cents a copy. A primary purpose of the publication—as well as several other communications, including the recent film "What is a Professor?"—is to emphasize to a select public the multi-missions of the University and its difference from a college. Survey research confirms the lack of distinction by the public. Public support for the University's missions is related to understanding, which requires communication.

JACK H. HAMILTON
Asst. to the President
for Communications

Vacancies

The following vacancies were listed as of Feb. 12:

UMC — Staff nurse; res. spec.; sr. res. spec.; chair., department of child and family development.

UMC MED CENTER — Accountant; sr. admin. asst.; staff nurse (21); staff nurse II (18); staff dev. coord. (2); res. spec.

UMKC — None.

UMR — None.

UMSL — Asst. to the chancellor; assoc. dir., OPI; sr. personnel asst.; bookstore mgr.

Persons interested in a non-academic vacancy should contact the personnel office on the campus where the vacancy exists. Those interested in an academic vacancy should contact the department or school listing the opening.

NOTE: Department heads wishing to place announcements of academic vacancies in *Spectrum* should write to *Spectrum*, 424 Lewis Hall, Columbia.

Spectrum Special Report

Financial supplement shows upturn for retirement fund

Because the stock market has had an outstandingly good year, the University's retirement, disability and death benefit fund has performed considerably better during the fiscal year 1974-75 than in the previous fiscal year.

Manager of the University's retirement fund is United Missouri Bank of Kansas City (UMB), which regularly reports details about the fund's performance to the Board of Curators. The discussion here is taken from the University's *Financial Report Supplement, 1974-75*.

The University sets aside a regular monthly percentage of the full-time payroll for benefits and deposits into the retirement fund. These deposits are invested in stocks and other instruments. The

objective of the fund is growth with reasonable yearly earnings, which are returned to the fund to increase its basic size. Funds must always be available to pay the pensions of retired or disabled employees or their survivors or dependents.

For this reason, the investment approach is basically conservative and takes the long-range view. Market fluctuations have been characteristic historically. Pension fund management emphasizes protective strategy during unfavorable market periods while taking advantage of growth and earnings opportunities during more favorable market periods.

Graph 1 shows the amounts of funds invested each year since the fund's beginning in 1958 and two indices showing market trends for the same period. Note that a considerable portion of the funds has been invested during the last seven to eight years, a period characterized by severe stock declines. This fact has had a strong bearing upon UMB's investment strategy.

UM's retirement fund is composed primarily of four types of financial instruments: common stock; corporate bonds; U.S. government securities and a small category of mortgages, preferred stock, convertible bonds and other instruments. The relative proportion of each of these four categories is often changed depending on market conditions. Graph 2 shows how UMB has altered these proportions, allowing the fund to respond, in the most favorable degree possible, to stock market fluctuations and money market changes.

The stock market's lowest point in recent years was at the end of 1974. Anticipating the market's decline prior to this low point, UMB reduced holdings in stocks—which were losing value—and increased the proportion of high-yield short-term government securities and government and corporate bonds.

This strategy enabled the fund to earn the high income then available from such instruments and gave the fund a desirable flexibility: since such instruments are near cash, they can be rapidly converted to cash. Thus, as stock values begin to look more attractive, the liquidity is available to add stocks to the fund. A close look at graph 2 confirms this strategy: there has been an upswing in the proportion of common stocks in the fund as their market value improved during 1975.

At this time last year, because of poor market conditions, it was reported that the market value of UM's retirement fund investments was 87.3 per cent of their cost. By June 30, 1975, the fund's market value stood at 96 per cent of cost because market conditions greatly improved. The market has remained strong and still further improvements have occurred in the ratio of market value to cost.

In addition, the performance of the fund's common stock portion has been

Long-term disability trust fund

This fund was established in 1973 by action of the Board of Curators. The program is financed entirely by employee contributions, and administered by the University with the help of its consultant, Blomquist, Batte and Campbell, Wheaton, III. Investment agent for the LTD fund is the First National Bank, St. Louis. Funds are concentrated in high-yield, short-term investments. The following table presents the fund's status during the fiscal year 1974-75.

Balance July 1, 1974		\$ 834,446.27
Income for year		
Employee contributions	\$649,842.57	
Investment income	87,208.00	737,050.57
Disbursements for year		
Claims	\$215,292.29	
Payments to consultant	20,000.00	235,292.29
Balance, June 30, 1975		\$1,336,204.55

Medical benefits trust fund

The dismaying necessity of rate increases that have taken place in UM's medical plan are graphically explained by the accompanying table. Members of the plan have been using it to a greater degree, and escalating costs of medical care have brought increasingly heavy drains on the fund.

The fund was established in 1969 by the Board of Curators and is financed by approximately equal contributions by both the University and participating employees. The University's consultant for the fund's administration is Blomquist, Batte and Campbell of Wheaton, III. Investment agent for the monies accruing to the fund is the First National Bank, St. Louis.

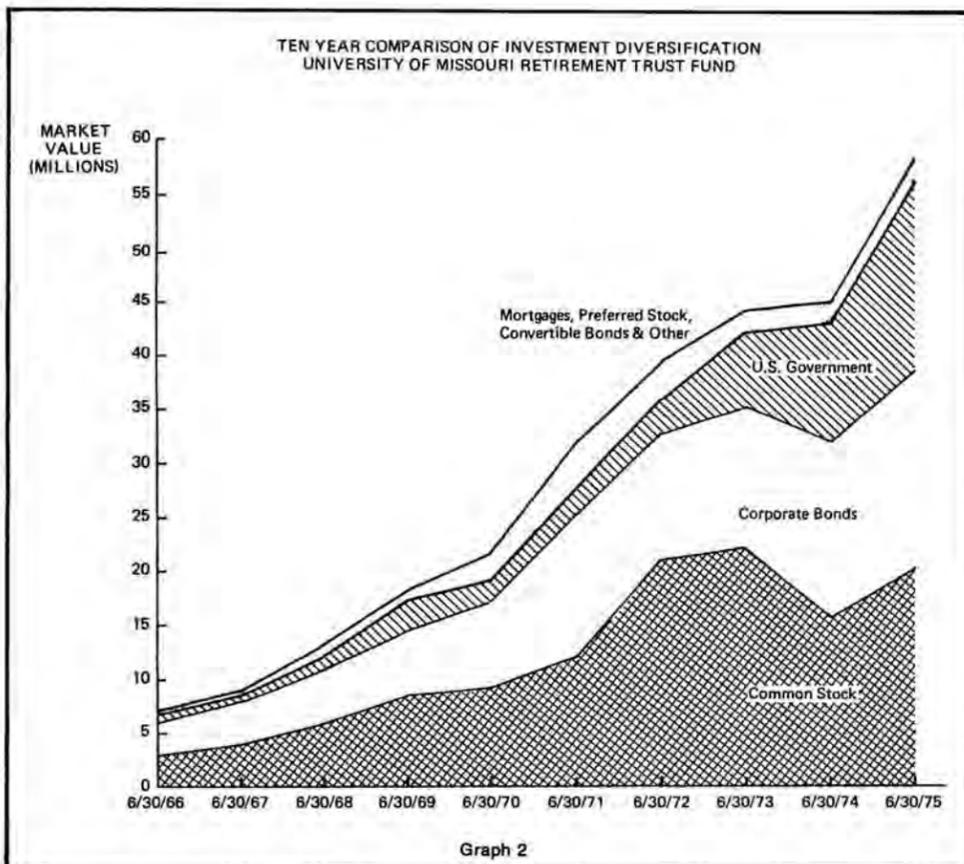
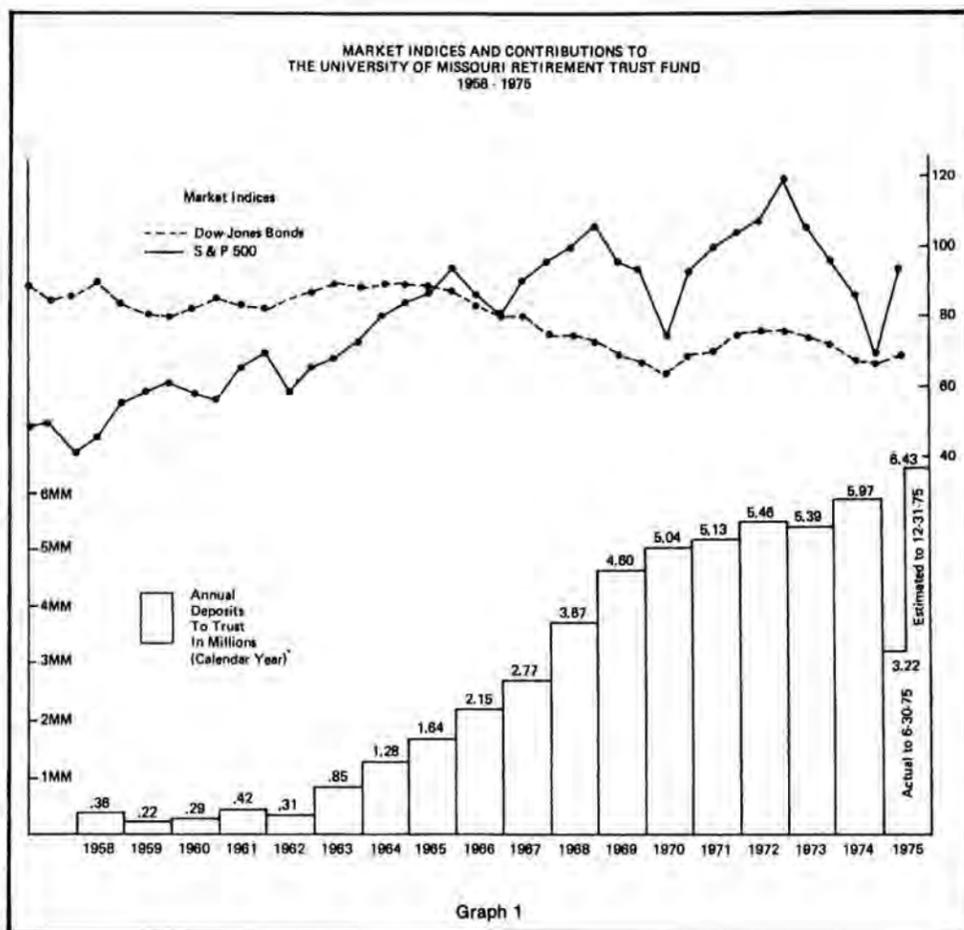
Income and disbursements for the fiscal year 1974-75 were:		
Balance July 1, 1974		\$ 635,268.94
Income for year		
Employee contributions	\$1,503,831.00	
University contributions	1,592,549.79	
Investment income	38,289.94	3,134,670.73
Disbursements for year		
Benefit payments	\$3,137,825.45	
Payments to consultant	72,545.93	3,210,371.78
Balance June 30, 1975		\$ 559,567.89

Note that the balance in the fund June 30, 1975, was nearly \$76,000 less than at the end of the previous fiscal year. Claims paid during the 1974-75 fiscal year were 29 per cent higher than for the previous year. Contributions to the plan rose 16.4 per cent during 1974-75.

Supplement available on campuses

Copies of the University's *Financial Report Supplement, 1974-75*, which contains more detailed information on the three funds discussed on this page, are available for review at the following locations on the various campuses:

University Information Services
Offices of Public Information
Business Offices
Staff Benefits Offices



especially strong when compared with the stock portions of other funds and indices. For example, the University realized a 23 per cent gain compared with a 20.5 per cent gain in the College Retirement Equity Fund (CREF), a 17 per cent gain in the Dow Jones Composite and a 16.1 per cent gain in Standard and Poor's 500. When compared with retirement funds managed by other banks, UM's stock portion ranked 20th among 43, or in the upper 50 per cent.

The fund is also earning income at a rate exceeding the actuarially assumed rate. As of June 30, 1975, nearly \$49 million had been placed in the fund since 1958. This amount—plus earnings—amounted to nearly \$62 million, about \$2 million more than that of the actuarial assumption. One must not lose sight, however, of the need to bring annual contributions up to the level necessary to amortize properly past service liabilities.

The *Financial Report Supplement* concludes that performance of the fund during fiscal 1974-75 has been "gratifying" compared with its performance during the year previous: "the record clearly demonstrates that the fundamental objective of the retirement fund is being met."

—Margaret Kraeuchi

Total of 1,322 draw benefits

As of June 30, 1975, the number of persons receiving benefits from the retirement, disability and death benefit fund were:

Retirees	833
Disability retirees	161
Widows or widowers	223
Dependent children	105
	1,322

These 1,322 persons received about \$1.8 million in benefits for the fiscal year compared to 1,188 persons receiving approximately \$1.5 million during the previous fiscal year.

Even through \$1.8 million was paid out in benefits during fiscal year 1974-75, investment income for the same period was more than \$3.2 million.

Legislative update

State legislators are considering a number of bills which, if approved, would in some way affect the University. Following is a brief survey and status report as of Feb. 11:

- SB518 (Sen. Young) — Directs the curators to acquire the Marillac property for use by UMSL. The bill has been reported out of the Senate appropriations committee with a "do pass" recommendation and one committee amendment.

- SB534 (Sen. Wiggins) — Would add a student member to the Board of Curators. The higher education committee has given it a "do pass" recommendation, with one committee amendment.

- SB586 (Sen. Howard) — Would remove the \$3.5-million appropriation ceiling on the state financial student assistance program. The higher education committee has given it a "do pass."

- SB681 (Sen. Frappier) — Would prohibit the curators from conveying land contained within a University campus or any portion of a parcel of land containing over 500 contiguous acres without approval by the General Assembly. The higher education committee has given it a "do pass."

- SB705 (Sen. Dinger) — Would prohibit mailing and distribution of material which has been printed at a cost to the state in excess of 25 cents per item without approval by the Committee on State Fiscal Affairs. No committee action yet.

- SB819 (Sen. Cason) — Would set up a Missouri Energy Research Council for R & D projects at a center which the council would maintain in conjunction with UMR. No committee action yet.

- SB822 (Sen. Cason) — Would establish a Missouri Forest Research Council for R & D projects in forestry and forest industry, with an office to be maintained in conjunction with UMC's School of Forestry, Fisheries and Wildlife. Reported out of committee with a "do pass" recommendation.

- SJR47 (Sen. Webster) — This proposed constitutional amendment would, in effect, provide line-item budgeting for the University by the state. No committee action yet.

- HB1069 (Reps. Hadley and Waits) — Would permit the Board of Curators and regents of other public state universities to allow persons 65 or older to enroll without cost or at reduced cost when classroom space is available. No committee action yet.

- HB1100 (Reps. Roderick and Sutherland) — Would authorize the Coordinating Board for Higher Education to make loans up to \$4,000 per academic year to students in medicine, osteopathy, dental surgery, dental medicine and optometry. At least two-fifths of the loans would have to go to students from rural areas. No committee action yet.

- HB1199 (Rep. Nilges) — Would require the state division of design and construction to furnish advisory and work-performance inspection services to state agencies. Perfected with one House amendment.

- HB1233 (Rep. Hancock) — Would permit "certificated" employes of public schools, state universities and colleges to form, join and participate in activities of employe organizations for purposes of representation on matters of employer-employe relations. No committee action yet.

- HB1420 (Reps. Dan O'Toole and Schief) — Would give public employes the right to organize and bargain collectively on wages, hours and other terms or conditions of employment. Failed.

- HB1523 (Rep. Proffer) — Would require the division of veterans affairs to pay a tuition allowance of \$10 per credit hour, to a maximum of 120 hours, to eligible veterans attending institutions of higher education. Reported out of the Federal-State Committee with a "do pass" recommendation and one committee amendment.

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Here and there

... UMSL's Center for Community and Metropolitan Studies has received a grant of \$208,700 from the National Science Foundation for research into the perceived effects of television picture signal impairment. Robert E. Welch, Jr., principal investigator, says the 9-month project will help the Federal Communications Commission and industry in establishing new technical performance standards for cable television systems. The grant is one of the largest in UMSL's history.

... James Gibson, UMC professor of speech and drama, is co-author of *Audience Analysis: A Programmed Approach to Receiver Behavior*, recently published by Prentice-Hall.

... A new volume of poems by Thomas McAfee, UMC professor of English, has been published by the BookMark Press, under the title *The Body and the Body's Guest: New and Selected Poems*.

UMC Calendar of Events

ACADEMIC SCHEDULE

March 6: Spring Recess begins, 12:30 p.m.

ATHLETIC EVENTS

Feb. 21: Basketball: UMC vs Nebraska, tipoff 7:35 p.m. Hearnes.
Feb. 28: MAIAW State swimming and diving championships
March 6: Basketball: UMC vs Colorado, tipoff 7:35 p.m. Hearnes

CONCERTS, PLAYS

Feb. 20: Violinist Viktor Tretyakov, 8:15 p.m., Jesse Aud.
Feb. 21: Esterhazy String Quartet, 8:15 p.m. Recital Hall.
Feb. 22: Senior cello recital, Linda Kroger, 3:15 p.m. Recital Hall.
Feb. 22: Jr. Bassoon Recital, Susan Bell, 8:15 p.m. Recital Hall.
Feb. 22: University Band Concert, 8:15 p.m. Jesse Aud.
Feb. 25-28; March 1-5: University Theatre's "Boy Meets Girl" 7:30 p.m., University Theatre. General Admissions \$3 and \$2.50.
Feb. 28: Faculty Violin Recital, Eva Szekely, 8:15 p.m. Recital Hall.
Feb. 29: Graduate Vocal Recital, Naomi Reed, 3:30 p.m. Recital Hall.
March 5: Jr. Piano Recital, Barbara Tolksdorf, 8:15 p.m. Recital Hall.
March 15: Royal Tahitian Dance Company, 8:15 p.m. Jesse Aud., tickets: \$3 and \$2.50.

CONFERENCES, SHORT COURSES

Feb. 19: Missouri chapters of Wildlife Society & American Fisheries Society in the Union.
Jan. 27-March 25: Rapid Reading, Sections I, II, 2-10 Agr.
Feb. 20: Missouri Therapeutic Recreation Institute #6, Ramada Inn.
Feb. 21: 4-H Meeting, S8 Union.
Feb. 22: Fire Department Planning & Management Seminar.
Feb. 23-27: Agricultural Research Conference, 330 Hearnes.
Feb. 26-28: 24th Annual Food Technology Conference in the Union.
Feb. 26: Vocational Evaluation & Work Adjustment Association Workshop, 309 Hearnes.
March 2-4: Criminal Law For The Law Enforcement Officer, 309 Hearnes.
March 4-5: English Language Arts Conference in the Union.
March 4: Engineering Conf. "Laboratory Water Analysis Workshop."
March 6-9: Seminar on Hazardous Materials in Transit at Ramada Inn.
March 6-14: Techniques of Interpretation in Clark Hall.
March 10: 23rd Annual Turkey Day held at the Union.
March 11: 21st Annual Egg Day held at the Union.
March 11: Conference #6 Organizing Leisure Services in Missouri Communities, S204 Union.
March 11: Missouri Association for Affirmative Action In Higher Education, S208 Union.
March 16: UMEA Board Meeting, S207 & S208 Union.

March 16-18: Engineering Conference. "Certification Review Short Course"
March 17: Conference #38 Grain Crops Production S203 Union
March 17: Engineering Conference Air Pollution Study in St. Louis
March 18-20: 1976 Missouri Dairymen's Institute at the Livestock Center and Union.
March 19-20: 9th Annual Kindergarten Conference in the Union.
March 19-20: Youth Leader Symposium, Livestock Center.

DEADLINES, OTHER EVENTS

Feb. 23: Harlem Globetrotters, 7:30 p.m., Hearnes Multipurpose Building. Tickets, \$5, \$4, & \$3.
Feb. 25: Spectrum Deadline.
March 1: Campus Columns Deadline
March 10: Spectrum Deadline
March 15: Faculty Bulletin Deadline

FILMS, EXHIBITS

Feb. 20: Astronomical Film: "The Violent Universe Part V," 7 p.m., 114 Physics.
Feb. 20: MSA Movie: "Scarecrow," 7 & 9:30 p.m., Middlebush Aud. Advanced tickets at Memorial Union \$.75; door \$1.
Feb. 21: MSA Movie: "Funny Lady," 7 & 9 p.m., Jesse Aud. Advanced tickets at Memorial Union \$.75; door \$1.
Feb. 22: MSA Movie: "Thieves Like Us," 8 p.m., Jesse Aud.
Feb. 22: University Film Program: "Osaka Elegy," 8 p.m., Ellis Library Aud.
Feb. 24: University Film Program: "Touch of Evil," 8 p.m., Middlebush Aud.
Feb. 25: MSA Movie: James Dean Night, "Rebel Without A Cause" and "East of Eden," 7 p.m., Jesse Aud.
Feb. 25: University Film Program: "Rise of Louis XIV," 8 p.m., Allen Aud.
Feb. 25: Ascent of Man Film: "Music of The Spheres," 8 p.m., Ellis Library Aud.
Feb. 25: Civilization Film: "Hero As Artist," 7 p.m., Ellis Library Aud.
Feb. 25: Pioneers of Modern Painting: "Henri Rousseau," 9 p.m., Ellis Library Aud.
Until Feb. 27: Paintings on exhibition by Wilbur Niewald at Fine Arts Gallery.
Feb. 27: Astronomical Film: "The Nearest Star," 7 p.m., 114 Physics.
Feb. 27: MSA Movie: "The Three Musketeers," 7 & 9:30 p.m. Jesse Aud. Advanced tickets at Memorial Union \$.75; door \$1.
Feb. 28: MSA Movie: "Deliverance," 7 & 9:30 p.m., Jesse Aud. Advanced tickets at Memorial Union \$.75; door \$1.
Feb. 29-March 19: William Woods College Faculty exhibition at Fine Arts Gallery.
Feb. 29: MSA Movie: "The Glass Menagerie," 8 p.m., Jesse Aud.
Feb. 29: University Film Program: "Fists in the Pockets," 8 p.m., Ellis Library Aud.
March 2: University Film Program: "Il Grido," 8 p.m. Geology Aud.
March 3: MSA Movie: John Ford Night, "Stagecoach" and "Drums Along the Mohawk," 7 p.m.

March 3: Ascent of Man Film: "Starry Messenger," 8 p.m., Ellis Library Aud.
March 3: Civilization Film: "Protest And Communication," 7 p.m., Ellis Library Aud.
March 3: Pioneers of Modern Painting: "Edvard Munch," 9 p.m., Ellis Library Aud.
March 5: Astronomical Film: "The Invisible Planet," 7 pm, 114 Physics.
FRIDAY NIGHTS: Public Telescope Observing, 8 p.m., Laws Observatory atop the Physics Building.
March 14: MSA Movie: "Alice's Restaurant," 8 p.m., Jesse Aud.
March 14: University Film Program: "La Rupture," 8 p.m., Ellis Library Aud.
March 16: University Film Program: "The Ladykillers," 8 p.m., Middlebush Aud.
March 17: MSA Movie: Joanne Woodward Night, "Rachel, Rachel," and "Summer Wishes, Winter Dreams," 7 p.m., Middlebush Aud.
March 17: Ascent of Man Film: "Majestic Clockwork," 8 pm, Ellis Library Aud.
March 17: Civilization Film: "Grandeur and Obedience," 7 p.m., Ellis Library Aud.
March 19: MSA Movie: "Alice in Wonderland," 7 & 9:30 pm, Middlebush Aud. Advanced tickets at Memorial Union \$.75; door \$1.
March 20: MSA Movie: "Shampoo," 7 & 9:30 p.m., Jesse Aud. Advanced tickets at Memorial Union \$.75; door \$1.

LECTURERS, SPEAKERS

Feb. 23: Lunchbag Seminar, "Humor In Women and Men," Fred Breme, noon, ground floor of Gentry Hall.
Feb. 24: YM-YWCA Tuesday Noon Forum, 12:10 p.m., S-16 Memorial Union.
Feb. 25: "The Black Woman's Self-image," by Muriel Battle, 7:30 p.m. ground floor of Gentry Hall.
Feb. 26: Lunchbag Seminar, "Belly Dancing - By Women and For Women," Sharon Scott, noon, ground floor of Gentry Hall.
March 1: "Is Women's Liberation Hazardous to Your Health?," by Thomas Prendergast, 7:30 p.m., ground floor of Gentry Hall.
March 1: Lunchbag Seminar, "Some Men Are More Perfect Than Others," panel discussion, noon, ground floor of Gentry Hall.
March 2: YM-YWCA Tuesday Noon Forum, 12:10 p.m., S-16 Memorial Union.
March 4: Lunchbag Seminar, "Women in Non-Traditional Careers," Margaret Kline, Dorothy Schoech, and Betty Wilson, noon, ground floor of Gentry Hall.
March 15: "Issues of Reproductive Freedom," by John Higdon, 7:30 p.m., ground floor of Gentry Hall.
March 15: Lunchbag Seminar, "Double Jeopardy - To Be Black and Female," Avis Graham, noon, ground floor of Gentry Hall.
March 16: YM-YWCA Tuesday Noon Forum, 12:10 p.m., S-16 Memorial Union.
March 17: Engineering Seminar: James Regan, "Air Pollution Study in St. Louis, Missouri", 7:30 p.m., S-204 Memorial Union.
March 18: University Club 1975-76: President Arland Christ-Janer "New Leaves among the Ivy", noon in N214-215 Memorial Union.
March 18: Lunchbag Seminar, "How To Get Your Parents to Treat You More Like A Person Than A Daughter," Dr. Sharon Pope noon, ground floor of Gentry Hall.

Symposium scheduled Feb. 24

A second teaching symposium sponsored by the Task Force on Undergraduate Education will be held at 3:40 p.m., Tuesday, Feb. 24 in GCB room 210.

The symposium will feature a panel discussion of "Grades and Grading." Panelists include William B. Bondeson, professor of philosophy; Terry Ten Brink, professor of educational psychology; George Fasel, director, UMC Honors College and Thomas B. Harris, associate dean of arts and science.

UMC faculty members are encouraged to attend the symposium. The Task Force sponsored a symposium on teaching this past Fall.

Around Campus

Seminar explores Black adoption

The Arts and Sciences Continuing Education and the Sociology Department are sponsoring a Black Adoption Seminar all day today. The program will begin at 9 a.m. with registration and at 10 a.m. Joyce Ladner, sociologist and author, will deliver the keynote address. She will give an "Overview of Family Living Patterns from Africa to American Slaves to Contemporary Black Families." After lunch, two panel discussions will be held. "Basic Family Concepts Revisited" will be discussed 1-2 p.m. Dr. Franklin J. Simpson, UMKC assistant Dean of Students, will serve as moderator of the panel which includes Jacqueline Hampton, Black Adoption Services director, and Bob Jones, Niles Home for Children director. "Child Welfare Systems' Response to the Strengths of Black Families" will be the topic at 3-4. Elizabeth Scaggs, sociology assistant professor, will serve as moderator. Panelists include Lillian Anthony-Welch, chairwoman of the Black Studies Department at the University of Nebraska-Omaha, and Kojo Mbagba Odo, educational consultant, Spaulding for Children-New York. There is no registration fee. The program is partially funded by the Missouri Committee for the Humanities and the National Endowment for the Humanities. It will be held in the Westport Room of the University Center.

Volker Quartet next in Chamber Series

The Conservatory's outstanding Volker String Quartet will perform the next concert in the Chamber Music Series on 2/28. The group consists of Tiberius Klausner, violin; Merton Shatzkin, violin; Hugh Brown, viola; and Sebe Morgulis Revitt, cello. The concert will be 8:15 p.m. in the All Souls Unitarian Church, 4500 Warwick. Tickets may be reserved by calling the Ticket Office at Ext. 2705.

UMKC to observe Black heritage

The Minority Faculty Staff Forum and The Afro-American Student Union are sponsoring several activities during February to celebrate "Black Heritage Month." Remaining activities include a panel discussion on the "Value of Education" at 7:30 p.m. on 2/23. Speakers will be Alvin Brooks, assistant city manager; David Brown, attorney, Holliday, Holliday & Brown; and Rev. Emmanuel Cleaver, executive director of the Kansas City chapter of the Southern Christian Leadership Conference. The program will be in Room 115 Education. On 2/24, a "Black Performing Arts Night" will be held 7:30 p.m. in Pierson Hall. Participants include Voices of Exodus and Black Exodus dance troupe.

Art Gallery hosts first invitational

The UMKC Art Gallery will exhibit works by 14 local artists in its first Area Painters Invitational beginning 2/20. A reception to meet the artists will be held 2-5 p.m. on opening day. Artists from the Kansas City Art Institute, University of Kansas-Lawrence, Central Missouri State University-Warrensburg, Avila College and Rockhurst College as well as independent artists have been invited. The paintings will range from formal abstractions to figurative works and pop surrealism in oils, acrylics and watercolors. The exhibit ends 3/20. The Gallery is on the first floor of the UMKC Fine Arts Building. Gallery hours are 8-5 Monday - Friday and 2-5 Saturday and Sunday.

Noted Israeli writer to lecture in series

Yehuda Amichai, Israeli poet, novelist, playwright and soldier, will speak in the English Department's Writer Series on 2/25. He will give a reading on his poetry at 8 p.m. in the Westport Room of the University Center.

Calendar

- 2/20 Black Adoption Seminar, 9-4, Center
- 2/20 Rusty Rhodes, 8, Pierson
- 2/20 "The Rainmaker," 8, PH
- 2/20 Jose Limon Dance, 8, Music Hall
- 2/20 "The Conversation," 8, HHA
- 2/20 "Aspects of 19th Century American Music," Jack Ralston, 8:15, CON
- 2/21 Health Career program, 9:30-1:30, Pierson
- 2/21 UMKC at Mo. Southern, 7:30
- 2/21 "The Morgan Yard," 2, 8, PH
- 2/21 Jose Limon Dance, 8, Music Hall
- 2/21 "Ragtime Styles: Classic, European, and Modern," Gerald Kemner, 8:15, CON
- 2/22 "The Morgan Yard," 2, 8, PH
- 2/22 "The Conversation," 8, HHA
- 2/23 "Value of Education," 7:30, 115 Ed
- 2/23 Phi Mu Alpha Sinfonia, 8:15, Con
- 2/24 Mini-health Fair, 10-1 Chick School
- 2/24 Black Performing Arts, 7:30 Pierson
- 2/24 UMKC vs. Mo. Western, 7:30 Swinney
- 2/24 "The Rainmaker," 8, PH
- 2/25 Yehuda Amichai, 8, Center
- 2/25 "The Morgan Yard," 8, PH
- 2/26 "The Rainmaker," 8, PH
- 2/26 "Isaac B. Woodbury, Composer With A Mission," Robert Copeland, 8:15, CON
- 2/26 Conservatory Wind Ensemble, 8:15, Pierson
- 2/27 "Adaptation," a play by Elaine May, noon, PH, Free.
- 2/27 "The Morgan Yard," 8, PH
- 2/27 "Bananas," 8, HHA
- 2/28 Graduate Recital, 8:15, Con
- 2/28 "The Rainmaker," 2, 8, PH
- 2/28 Volker String Quartet, 8:15 Unitarian Church
- 2/29 Area Painters Invitational, reception, 2-5, Gallery
- 2/29 Swinging Choraliers, 3:30, Pierson
- 2/29 Phi Mu Alpha, 5, United Methodist Church
- 2/29 "Bananas," 8, HHA
- 2/29 UMKC Jazz Band, 8:15, Pierson
- 2/30-3/2 Area Painters Invitational, Gallery
- 3/2 Book Fair, 1-6, Pierson
- 3/3 Book Fair, 10 4, Pierson
- 3/4 Chemistry seminar, 4, SCB

Minority program on health career

A Health Science Career program will be held for minority students 9:30 a.m.-1:30 p.m. in Pierson Hall on 2/21. The program will include an overview of health sciences, financial aid information, presentations, and displays with information about various health careers. Rev. Emmanuel Cleaver, executive director of the Kansas City chapter of the SCLC, will deliver the keynote address and will moderate the program. It is sponsored by the UMKC Schools of Medicine, Dentistry, Pharmacy and the Graduate Nursing program along with the KAW Valley Medical Society and the Social Action Committee of 20. For more information contact Ms. Carlotta Alston, Dentistry administrative associate, at 221-3500, Ext. 363, or Dr. Franklin Simpson, assistant Dean of Students, at 842-9342.

Promotional Opportunities

If you are interested in any of the positions listed below, phone the designated person at 162 Ect. 1622.

Contact Jane Quigley:
Certified Dental Asst.
Clerk II
Information Spec. I
Secretary
Sr. Secretary
Stenographer

Contact Mike Sweaney:
Boiler Fireman
Mechanical Tradesman

School and Department Notes Bookstore

The Bookstore will sponsor a two-day Book Fair on 3/2-3. Books will be displayed by more than 15 publishers in Pierson Hall. Hours will be 1-6 p.m. on 3/2 and 10 a.m.-4 p.m. on 3/3.

Dentistry

The UMKC Dental Hygienists Alumni Association will hold its 23rd annual convention 3/6-9 concurrently with the Dental Alumni. This convention also will focus on continuing education and meeting the challenges of a changing society. Lectures include "Growth and Development of the Child: The Dental Implications," Dr. James Moore, pediatrics assistant professor, KU Medical Center, 9 a.m. 3/6 at 1 p.m. that day, Mrs. Nancy P. Anderson, speech pathologist at Children's Mercy Hospital, will speak on "Speech Pathology: Its Relationship to Dentistry." On 3/8, topics will be "Occlusion" at 9:45 a.m. by two Kansas City dentists and "Shaping Tomorrow" at 1:45 p.m. by Mrs. Maxine Tishk, UMKC Graduate Dental Hygiene Director and Mrs. Marilyn Harrington, UMKC Dental Hygiene Director. Dr. Glenn Harrington, UMKC Dentistry assistant professor, will follow at 2:30 p.m. with a discussion of "Microbiology." On 3/9, William Anderson, UMKC Law Professor, will speak at 9:30 a.m. on "Malpractice." Events on 3/6 will be in the Dental School; events 3/7-9 will be in Crown Center.

The UMKC Dentistry Alumni Association will hold its 53rd annual convention 3/7-9 at Crown Center. More than 1,500 dentists from across the country are expected to attend, making this the largest dental alumni convention in the world. The theme of the conference is meeting the challenge of a new health care delivery system in a changing political climate. Lectures include "The Public View," Tom Lawrence, president of Lawrence-Leiter & Co., of Kansas City, 10 a.m., 3/8; "Continuing Education," Dr. Loren Miller, director, Pankey Institute for Advanced Dental Education in Miami, Fla., 1:45 p.m., 3/8; "University Education," Dr. Marvin E. Revzin, UMKC Dentistry Dean, 9 a.m., 3/9; "Organized Dentistry," Dr. Robert B. Shira, American Dental Association president, 10:30 a.m., also on 3/9. The program will conclude that afternoon at the Dental School where dental exhibits can be viewed.

Extension

University Extension Services Urban Youth Program is coordinating "Black Reflections of the Past, Present and Future" to be presented by students at 1 p.m. at Wendell Phillips school on 2/18 and at Booker T. Washington school on 2/24. Staff members are working with pupils at each school to prepare them for the presentations in recognition of Black History Month. Bill Russell is giving drama instruction, James Brown is providing musical accompaniment, and Atrie Bryant is teaching creative African dances.

The Extension Services Urban Youth Program is sponsoring a mini-health fair for youngsters in the kindergarten through sixth grade. The program will be 10 a.m.-1 p.m. on 2/24 in the J.S. Chick Elementary School, 4101 E. 53rd St. The program will teach the youths about health careers and the importance of good health. The program is coordinated by the Missouri Regional Medical Program. For information contact Mrs. Frankie Kemp, Youth Educational assistant, teenage motivation, at Ext. 1456.

UMKC

Professional Activities

Honors

Dr. Richard J. Gentile, Geosciences, was elected an honorary member of the KAW Valley Rock Club.

Publications

Dr. William M. Ryan, English, has an article, "Where Has All the Usage Gone?," in the current issue of American Speech and will have an article on correlative conjunctions in the forthcoming issue. . Dr. Jerry Ray Dias, Chemistry, is author of a 13-page research article, "Mass Spectral Fragmentations of Lamostanes, Part I," which was accepted for publication in Organic Mass Spectrometry 10. . Dr. Frank Millich, Chemistry, is author of a review, "Rigid Rods and the Characterization of Polyisocyanides" which appeared in Advances in Polymer Science, Vol. 19. . Dr. Ashok K. Gumbhir, Mary Jamison and James Glenski, Pharmacy, are co-authors of "Drug Price Differentials Between Hospital and Community Pharmacies: An Economic Investigation," which appeared in the Fall 1975 issue of Drugs in Health Care. . Dr. Joseph Edwards, Dr. Diane Edwards, and Joanne Lucas, Psychology, co-authored an article, "Differential Effects of Communication on Operant Behavior in Children," which appeared in Bulletin of the Psychoonomic Society. . Dr. Ronald Cromwell and Stephen Wieting, Family Study Center, co-authored an article, "Multidimensionality of Conjugal Decision Making Indices: Comparative Analyses of Five Samples," which appeared in the Fall issue of the Journal of Comparative Family Studies. . Dr. Robert Willson, English Chairman, published an article, "Harry Truman on William Shakespeare" in the October 1975 issue of College English Association Forum. . Dr. Herman Hattaway, History, published a review of "Confederate Women" by Bell Irvin Wiley, in the East Texas Historical Society.



It's a family affair

At a little before 7:30 on weekday mornings, Charles (Charley) Irwin bids his wife, Sharon, good-bye and leaves for his job as supervisor of computer operations in UMR's Computer Center.

About 30 minutes later, Sharon sees that their two daughters board the school bus then goes to her job as administrative secretary in the dean's office in the School of Engineering.

This scene, with variations in the cast of characters, time and location, is repeated in about 40 to 50 Rolla area homes each day. (The personnel office doesn't have an exact count of married couples working at UMR since their records show only non-academic personnel. However, a check of the campus telephone book gives a fairly reliable estimate).

The Irwins have been a UMR twosome for eight years. However, Sharon had been employed previously at UMR, off and on since 1963. While Charley was stationed at Fort Leonard Wood, Sharon worked as a secretary in the business office for about a year. After Charley's tour of duty in the army, they were away from Rolla for about a year. Sharon came back to UMR in February, 1966, working half-time in the chancellor's office. "But they kept calling me in for extra work, and it reached the point that I was essentially working full time," Sharon says. In 1968 she officially went on full-time status.

In the chancellor's office, Sharon was chiefly responsible for on-campus correspondence and committee work. "This included getting out the daily 'Merlograms' (campus terminology for former Chancellor Baker's memos)," Sharon remembers. "I got to know almost everyone on campus."

In February, 1972, she transferred to the School of Engineering as secretary to Dean J. Stuart Johnson. Since April, 1974, she has been administrative secretary.

"In addition to serving as Dean Johnson's secretary, my major duties now are seeing that things get done on schedule," Sharon explains. "It's mainly keeping up--anticipating what will be coming up, so we'll be ready for it." Also involved in getting things done, are two other full-time secretaries, Eleanor DeLoach and Grace Mundwiller, and a work-study student, Vera Malko. There's a lot of paper work involved in the school, which has six departments and almost 60 per cent of UMR's enrollment. Responsibilities are divided among the secretaries.

While Sharon is seeing that things get done in her office in the Engineering Research Laboratory Building, Charles is overseeing operations in the Computer Center

in the Mathematics-Computer Science Building across the way.

"As supervisor of computer operations, my job is to see that programs are processed correctly and to maintain a continuous flow of incoming-outgoing programs for students and faculty," Irwin says. This adds up to more than 5,000 programs each week.

"UMR is very much a computerized campus," Irwin continues. "At one time or another, just about every student, graduate and undergraduate, will bring in a program to us. And most of the faculty also use these facilities."

To keep up on all this work, the Computer Center operates from 7:30 a.m. to 2 a.m., with four full-time operators and 18 to 20 work study students and student assistants.

"It's a demanding and challenging job," Irwin says. And it is also rewarding. "In this job, I leave work each day feeling I have accomplished something--knowing that my work has helped not one, but many of the students and staff," he adds.

Charley is an ardent hunter and fisherman and collects coins. However, these activities are taking a back seat this year while he is taking evening courses at the Rolla Area Vocational School. He likes to putter around with anything mechanical and he has found the courses helpful not only for his hobby but also in checking out and making minor repairs on the 18 key-punch machines and 12 remote terminals under his supervision.

"At home, much of our time is centered around our daughters, Jill, 11, and Angela, 5," Sharon says. She is assistant leader for Jill's "Girls in Action" group at the First Baptist Church and helps with some activities of Jill's Girl Scout troop. In her spare time she has been taking courses at UMR and enjoys gardening and needlecraft work.

A favorite family pastime is camping, and late spring and summer weekends and vacation time often find the Irwin camper at a lake or park in Southwestern Missouri or Northern Arkansas.

Both the Irwins like working at UMR and both like the idea of working for the same employer.

"I can't even imagine working at different places," Sharon says. "Even though our jobs are different, and we try to keep them separate, we each understand each other's job better. We have the same loyalties--the same interests and concern for whatever affects UMR. And we have a sense of working toward the same goal. We like that," she concludes.

And that, hopefully, is the sentiment of many of the others to whom working at UMR is a family affair.

Junior high band clinic

Approximately 800 junior high school bandmen are expected to be on campus for the 13th annual Junior High Band Clinic Friday and Saturday, Feb. 27-28. Because of an increase in the number of participants, the clinic has been expanded to two days.

The event is an extension activity of the music department. It is sponsored by student members of UMR's music fraternities, Kappa Kappa Psi and Tau Beta Sigma.

Junior high students will audition and be assigned to one of eight or nine bands according to ability level. Guest conductors of each band will instruct them in new music literature and rehearsal techniques. The students represent some 20 school systems in the State South Central Music District.

Chemistry seminar

"Effects of Temperature and Surfactants on the Growth of Gymnodinium Breve" is the topic of a seminar conducted by graduate student William Hitchcock Monday, Feb. 23, 4:30 p.m., Chemistry-Chemical Engineering 125. Coffee will be served at 4 p.m.

AC meeting

The next meeting of the Academic Council is Thursday, Feb. 26, 1:30 p.m. Humanities-Social Sciences G-5.

Fuel seminar

Dr. J. Finegold of the Jet Propulsion Laboratory, Pasadena, Calif., will conduct a mechanical and aerospace engineering seminar Thursday, Feb. 26, 3:30 p.m., Mechanical Engineering Auditorium. His topic is "Hydrogen Fuel in Transportation." Refreshments are available prior to the seminar.

Physics Colloquium

Dr. Robert V. Kasowski, scientist, Central Research, E.I. DuPont de Nemours and Co., will speak at a physics colloquium Thursday, Feb. 26, 4 p.m., Physics 104. His topic is "Electronic Properties of Transition-Metal Surfaces and of Molecules Adsorbed on Them." Refreshments will be served at 3:40 p.m.

Rolla

Calendar

February

- 20--Open house, 7 to 9 p.m., UMR Observatory
- MSPE Engineers' Week banquet, James L. Wilson, 6 p.m., Manor Inn
- Coterie Bicentennial Ball, 9 p.m., St. Pat's Ballroom
- 21--Founder's Day luncheon, 12:15 p.m., Centennial Hall
- 22--UMR Concert Band, Frank Erickson, guest conductor, 3 p.m., Centennial Hall
- 22-28--Engineers' Week
- 23--Chemistry seminar, William Hitchcock, 4:30 p.m., Chemistry-Chemical Engineering 125
- 25--Deadline for completed EIT applications, Civil Engineering 111
- 26--Academic Council meeting, 1:30 p.m., Humanities-Social Sciences G-5
- Mechanical and aerospace engineering seminar, Dr. J. Finegold, 3:30 p.m., Mechanical Engineering Auditorium
- Physics colloquium, Dr. Robert V. Kasowski, 4 p.m., Physics 104
- 27--Open house, 7 to 9 p.m., UMR Observatory
- 27-28--13th annual Junior High Band Clinic

UMSL professor helps coordinate America's largest bicentennial program

JOIN THE BICENTENNIAL



Now that bicentennial awareness is gaining momentum, one frequently hears disappointment about the lack of meaningful events. The Bicentennial Youth Debates (BYD) program is one answer to this complaint. Through this nationwide program and others like it, future historians will find that more took place during America's Bicentennial than a year of festivities and parades.

The BYD is a project of the Speech Association which gained initial financial support through grants from the national Endowment for Humanities (NEH). It is designed to involve high school and college age students in a serious examination of America's past through public speaking events.

BYD is one of the largest bicentennial projects in term of involvement; more than 10,000 schools and colleges have enrolled. For contest purposes the United States was divided into eight regions. Each region was broken down further into sections and finally districts.

Dr. Donald Shields, assistant professor of speech communications at UMSL, and self-acclaimed "down home patriot," serves as director of the Midwest region of BYD. As director it is his responsibility to coordinate the BYD objectives for the six state Midwest region, as stated in the original grant proposal.

"My duties as director are mainly to carry out the two major thrusts of the grant," explains Dr. Shields. "To provide a network of contests for college and high school groups for local and regional tournaments, and to provide liaison between the participants and community so that dialogue about the founding of the nation will be sustained."

Food exporters and importers to discuss world food policy

National and international political and economic pressures of the global food crisis will be debated by Ambassador Edwin M. Martin of the World Bank and Dale E. Hathaway, director of the International Food Policy Research Institute, during a Greater St. Louis World Food Conference March 5 and 6.

The conference, "In search of a World Food Policy," is open to the public at the Bel Air Hilton Hotel. The program is sponsored by the University of Missouri campuses in St. Louis and Columbia and the University of Illinois at Urbana-Champaign in cooperation with the St. Louis Chapter of the United Nations-U.S.A.

Hathaway will present food crisis issues from the viewpoint of exporting nations while Martin will state the case of developing, importing countries at 12:45 p.m. March 6.

Both Martin and Hathaway were prominent in the 1974 World Food Conference in Rome. Hathaway was its co-organizer and Martin was senior advisor to the Secretary of Agriculture and coordinator of United States participation in the conference.

Dr. Shields became the Midwest regional director after the previous director resigned. He was hired at a crucial period when setting up the contest network programs for all college and high school districts was at a peak. Although he became involved with the program after its beginning, he meets up to the mammoth task with eagerness and enthusiasm.

"BYD is something more than just a contest. Wins and losses are not as important as the quality of dealing with the issues, says Dr. Shields. "In addition to the competitive aspects of the program, participants serve as speakers and conduct debates before civic, fraternal, church groups and other community organization throughout the year. Typically these groups listen to them present their debate, extemporaneous speech, or persuasive speech on one of the American issue topics; or sometimes the group may listen to the same topic using it as a stimulus for dialogue and resource for their own use.

"I am also really interested in the community involvement phase. We like to rely on community educators, corporate leaders and labor people from every walk of life to judge these contests. They not only have an opportunity to hear the students give their perspective of these value-related topics, but also an opportunity to ask questions and find out why they have chosen these positions. I think it stimulates a dialogue this country needs."

Since joining the BYD staff as regional director, Dr. Shields has been asked to do workshops and papers on the bicentennial debates and has met with educators of various backgrounds throughout the six-state region thus providing him with an opportunity to spread the University of Missouri-St. Louis'



Dr. Donald Shields-midwest regional director of BYD

Martin has had a 35-year career in government. He is former U.S. ambassador to Argentina and was deputy U.S. representative to NATO. He is now chairman of the intergovernmental consultative group on food production in developing countries for the International Bank for Reconstruction and Development, Washington, D.C.

Hathaway is an agricultural economist and former chairman of his department at Michigan State University, where he also directed MSU's Center for Rural Manpower and Public Affairs. He has also been an agricultural advisor for the Ford Foundation's Asia and Pacific program. His books include "Government and Agriculture--Economic Policy in a Democratic Society."

Other speakers featured during the conference include The Rev. Jesse Jackson, a prominent civil rights leader, and David S. Burgess, senior officer for the United Nation's Children's Fund. Their dialogue on "Humanitarian Concerns in Formulating Food Policy" is scheduled for 7:30 p.m. March 5.

For information about registration and fees for the conference, call the UMSL Extension Division at 453-5961.

name around. But Dr. Shields says not all his hard work and enthusiasm is strictly the result of academic commitment and patriotic spirit.

"Part of this good feeling is more of a personal gain and satisfaction," he says. "Right after I joined the BYD staff, I found myself involved in preparations for a debate between two American students and two students from Oxford University in Great Britain. The debate was held in the Old State Capitol in Springfield, which is no longer open to the public, but permission was granted to hold the debate and allow the gallery to be filled by the public. The gallery held 250 persons and there was a standing-room-only crowd. It was a thrill just to be in the building."

"The debate was stimulating in terms of the issue: 'The American Revolution was a Social and Political Failure.' The British took the affirmative side and the Americans defended the Revolution. The debate was also broadcast on public television and radio stations.

"For just being on the BYD staff, the Bureau of Engraving presented me with a duplicate copy of the Declaration of Independence, embossed and hand printed, with my name on the bottom for serving with the Bicentennial Youth Debates programs," Dr. Shields says with pride. "I'd like to show it to you," he added, "but it's out being framed!"

Faculty Council wants a 3rd District Curator

The UMSL Faculty Council has urged Missouri Governor Christopher S. Bond to appoint a resident of the Third Congressional District to the UM Board of Curators when the next vacancy on the board arises.

Dr. Harold H. Harris, associate professor of chemistry and secretary of the faculty group, said the Third District, which covers the southern section of the St. Louis area, has not been represented on the nine-member board for more than six years, while the state's other nine districts have been represented constantly.

In a resolution sent to Governor Bond, the Faculty Council said the St. Louis metropolitan area "is the only area not having had a full complement of representation in six years." The resolution also "urges that the next curators nominated by the Governor and confirmed by the Senate include a resident of the Third Congressional District."



"Not Just Another Faculty Exhibit" is the title of Gallery 210's March offering. Paintings, drawings and prints by UMSL Fine Arts faculty Sylvia Walters (l.), Fred Nelson (c.) and Cissy Pao (r.) will be on display from March 1-18. The exhibit will open Monday, March 1, from 8 p.m. to 10 p.m.

Saint Louis

Faculty women welcome book fair donations

The UMSL Faculty women are now collecting old books, magazines and records for their annual spring book fair, which benefits UMSL's Thomas Jefferson library.

Fiction and nonfiction paperback or hardcover books on any subject, as well as quality records, magazines and sheet music, are welcome.

Donations may be deposited between 8 a.m. and 4:30 p.m. Monday through Friday at the UMSL library, 8001 Natural Bridge Road. For book pickup service call the Book Fair at 453-5221.

Donated items will be sold for 5 cents and up March 30-31 in the lobby of the J.C. Penney Building. Proceeds will be used to buy new books for the library.

UMSL plans Alumni Night February 21

Alumni Night, an evening of recognition and entertainment for graduates of the University of Missouri-St. Louis, will be held Saturday, Feb. 21, on campus.

The Alumni Association will present two awards in ceremonies before the UMSL-St. Louis University basketball game at 8 p.m. in the UMSL fieldhouse. The annual Outstanding Teacher Award will be presented to the UMSL faculty member chosen as the best teacher of the 1975-76 academic year.

In addition, the alumni will inaugurate the UMSL Alumni Association Award, a prize to be given for the first time to a St. Louis community leader for outstanding support of UMSL.

The UMSL-SLU basketball game will be the first meeting of the crosstown rivals ever played in the UMSL fieldhouse.

The evening will conclude with a post-game party at UMSL's University House, 7956 Natural Bridge Road near the campus.

Further information is available by calling the UMSL alumni activities office at 453-5441.