

Twice retired, UMR's Kreidl remains prodigious scholar

Dr. Norbert J. Kreidl has retired twice — first from Bausch and Lomb Optical Company, then from UMR. But the emeritus professor of ceramic engineering is still going strong.

Since reaching the mandatory retirement age of 70, he has taught graduate courses at UMR and has developed and taught a popular science course — entitled "Materials and Man" — for liberal arts students. In June he received a three-year extension of a National Science Foundation contract to supervise a research project at the American University in Cairo; he remains a consultant to NASA on projects being planned for our space-shuttle program; and he has received a second Fulbright Fellowship, for a year's teaching in Vienna.

Dr. Kreidl, you see, knows a great deal about glass. Since he received his degrees in chemistry and physics in 1925 and 1927 from the University of Vienna, he has been studying glass, teaching about glass and working on numerous glass projects in the United States and Europe. He has been president of the International Commission on Glass; he has nine patents involving glass; he has published more than 100 technical papers about glass in professional journals; and he has held national offices in various professional societies and has won many national and international awards for his work.

Dr. Kreidl's interests and responsibilities leave him little time to lean back and watch students go by. During May he was in Cairo working on a project involving research on silver in glass. He recently returned from Germany, where he delivered an address commemorating the 50th anniversary of the Max Planck Institute (where he did postgraduate work half a century ago). And this month he will travel to Vienna to teach at the University of Vienna's Institute of Physical Chemistry. Sandwiched between these activities have been trips to New Hampshire, Poland, Indiana and New Mexico, and to NASA headquarters in Houston.

Dr. Kreidl's first Fulbright allowed him to go to the University of Vienna four years ago to teach a graduate course in glass science, the same one he teaches at UMR. This fall and spring, under his second Fulbright, he will go there again, teaching the same course and a new one dealing with corrosion of old stained glass and ceramic pieces. Between terms in Vienna he will supervise work in Cairo. He plans to return to UMR in July.

"I really don't believe a person should quit working as long as he has pertinent knowledge to share or significant work to do and he is able to do it," Dr. Kreidl says. "I am in favor, though, of transferring responsibilities to young people earlier than mandatory retirement ages."

"I think the person with experience should keep active in bench work when possible and share his knowledge and experience in an advisory capacity. And this includes teaching."

"However, I think my friends would be surprised at how well I could just loaf around if circumstances were such that I had nothing else to do."

But at this point it doesn't look as if his friends will have an opportunity very soon to make any judgments about how Dr. Kreidl spends his leisure time.

Sally White

Photo by Ernie Gutierrez



Dr. Norbert Kreidl

SIS committee continuing inventory of programs

The SIS Policy Committee, meeting Sept. 8, continued work to inventory the status and availability of SIS programs and to develop a control system allowing changes and updates in programs to be made in a more orderly fashion.

The committee made the development of controls procedures the joint responsibility of Management Systems and the four-campus users group. To that end, the committee approved the following policy statement:

"Management Systems (M.S.) has the overall responsibility to maintain a stable

software system to support the administrative functions of the SIS. Any action impacting the system stability as a result of a change in the software system or supporting job control language implemented by M.S. must be communicated in writing to each campus user prior to production implementation. Specifically, no system change may be implemented by M.S. without prior communication with each campus user which is acknowledged in writing. Generally, one week is the minimum lead time which will be allowed for such communication. Emergency situations will be handled in such a fashion as to permit those individuals (either M.S. or campus admissions/registration offices) to have access to new programs/procedures etc. on an immediate basis. All changes of this type will be handled in such a manner as *not to impact in any way* the operations at any of the offices using the system. These emergency changes will (if needed by all) then be communicated in writing and handled with the same one-week lead time as normal changes."

The inventory of SIS programs is to be completed by the last week of September. At that time Richard Wallace, the committee's executive officer, will begin two weeks of visits to the campuses, where he, the director of admissions/registrar and other committee members will hold discussions with key user groups. The committee intends the campus visits to serve both educational and informational goals: campus users will find out more about SIS and its current capabilities, and the committee will receive feedback on what users believe the system should do.

SIS committee

The Student Information System Policy Committee is headed by Dr. Richard Wallace, associate dean of the UMC graduate school. Members of the committee: Wesley J. Dale, UMKC acting chancellor; Ardath Emmons, UM vice president for research; Jay Goldman, UMC professor and head of industrial engineering; A. Glen Haddock, UMR professor and head of mathematics; John F. McGowan, UMC provost for administration; Charles E. Pullen, UM director of management services; Leo J. Sweeney, director of admissions and registrar at UMKC; Robert E. Taylor, UM director of management systems; Everett Walters, UMSL vice chancellor for community affairs; and one additional member to be selected by the Intercampus Faculty Council.

Sidelines

Book of lectures

Last year UMC offered a special bicentennial course on revolutionary America, which included guest lectures by 13 faculty members from various disciplines as well as those delivered by Dr. Leon T. Dickinson, who taught the course. Now those lectures have appeared in the form of a book entitled *Lectures on Revolutionary America*, published by UMC.

The lecturers: Richard Bienvu (history), Charles F. Mullett (history), William H. Peden (English), Clifton Cornwell (speech), Loren Reid (speech), Catherine Neal Parke (English), Meyer Reinhold (classical studies), Stanley T. Gabis (political science), Frederick C. Spiegel (political science), William M. Wiecek (history), Noble E. Cunningham, Jr. (history), Osmund R. Overby (art history and archaeology), Robert Sattelmeyer (English) and Dr. Dickinson (English).

Copies of the book may be ordered from the University Book Store, Brady Commons, Columbia, Mo. 65201, or from The Missouri Store, 909 Lowry St., Columbia. The price by mail — covering postage and handling — is \$3.50.

Curators meeting

The UM Board of Curators will meet today at 1:15 p.m. in UMC's Memorial Union.

Tenure draft near

The Tenure Regulations Review Committee, formed last spring to review the University's 1972 regulations on academic tenure, is close to completing a first draft of its recommendations for review by faculty and administrative groups.

At the last meeting of the committee, in late August, Prof. Ralph Carson of UMR joined the group as a replacement for Prof. Orrin Crosser, who is on leave. Prof. George Witterled will continue to represent UMSL, even though he is also on leave during the current academic year.

The committee's present schedule calls for circulation of a first draft report at the end of September, with comments and suggestions to be solicited from the University community during the month of October.

Areas under closest study by the committee: clarification of the distinction between regular and nonregular appointments; simplification of the rules regarding creditable prior service; possible modification in the policy concerning the giving of reasons for nonrenewal; and the provision for inclusion of essential parts of any recommendations from the Committee on Financial Exigency Policies.

Members of the committee: Dr. Mel George, vice president for academic affairs; Owen Koeppel, UMC provost for academic affairs, representing the provosts and deans of faculties group; Prof. Elmer Horseman, UMKC, representing the Intercampus Faculty Council; Prof. Thomas Alexander, history, UMC; Professor Carson, electrical engineering, UMR; Professor Witterled, business administration, UMSL; and Prof. William Anderson, law, UMKC.

Baton passed

Edward Gerber has been named conductor of the Civic Orchestra and the Symphony Orchestra at UMKC's Conservatory of Music. Gerber, who will hold the rank of associate professor, has been music director at SUNY-Buffalo and conductor of the University Philharmonic.

Library director

Dr. John H. Gribbin, library director at Tulane, has been appointed director of libraries at UMC. He is to assume the position on Jan. 17.

Dr. Gribbin, who has directed Tulane's library operation for 10 years, succeeds Dwight Tuckwood, who had asked to be relieved of his directorship but who will remain on the library staff. Dr. Gribbin holds a Ph.D. from the University of Chicago, a master's from the University of California, Berkeley and a bachelor's from North Carolina.

UMSL science program

Boost to gifted youngsters

Felicia's father "kind of pushed" her into attending the Science Secondary Student Training Program. Now she hopes there will be an advanced program and that she'll be invited back next year. Nathan's mother and grandmother are "tickled pink," and his father has already framed a certificate acknowledging the completion of his first two college credits. And Deborah's mother, filled with pride, has already told "most of St. Louis" that her daughter was a participant.

Felicia Prewitt, Nathan Wolf, Deborah Baker and 16 other area high school pupils have begun their junior and senior years with two hours of college credit — thanks to a tuition-free course at the University of Missouri-St. Louis, with financial support from Monsanto, Mallinckrodt, Ralston Purina and Chem. Tech. While most teen-agers enjoyed the usual leisure activities of summer, these 19 pupils, three of them auditors, spent their vacation concentrating on scientific research projects.

Last year nine area high schools tested groups of pupils to determine their levels of scientific thinking. Results indicated that 3 per cent had attained cognitive levels comparable to those of adults at the master's or doctoral level. It was also discovered that in certain schools these gifted pupils comprise about one-half of those who drop out of school each year.

UMSL's summer science program is in large part an effort to combat the dropout problem. By illustrating to this year's participants the importance of developing scientific skills, the program instructors hope to encourage them to complete high school and to seek a college education.

Most of the participating pupils expressed deep appreciation for the opportunity afforded them by UMSL to do college-level research work on the St. Louis campus. Until they were selected for the program, they had worked only in crowded, poorly equipped labs, deprived of the opportunity of working on individualized projects because of unsafe conditions, lack of supervision and the limited knowledge of their teachers.

Under the guidance and supervision of Dr. Ernestine Long, program director and co-investigator, Dr. Charles Granger, principal investigator, and Anthony Kardis, lab supervisor, the pupils were able to work on projects of their own choosing, in an atmosphere conducive to serious research. Moreover, they learned to operate such sophisticated equipment as an oscilloscope and a scanning electron microscope, and also received daily instruction from UMSL faculty members and guest instructors.

According to Dr. Granger and Dr. Long, the students who attended the program are at an important age — "the golden age," they call it. "It's a decision-making period," Dr. Granger says. "At this time they are vulnerable to peer pressure. If not given an appropriate model to follow, then the chances of their accepting



A Soldan High School pupil, Nathan Wolf, uses UMSL's scanning electron microscope for some close-up work in his tissue-regeneration project.

that kind of model in the future decreases."

Apparently the students have accepted "the appropriate model" Dr. Granger speaks of. Nathan plans to continue his research on tissue regeneration, hoping to discover why and how a tadpole's tail grows back and perhaps to apply what he learns to humans. Felicia is waiting for information from the navy that may help her to solve the mystery of the Bermuda Triangle. And Deborah plans to continue her study of the toxic response of *apis mellifera* and *monomium sp* to various wavelengths of light.

Jill Triplett

Adam's Dream

The blossoms closed into buds
Singing only to themselves.
The sweet hand that guarded my heart
Stirred within my body.
I reached for you as you pulled away
And followed the arm's length
That linked us. I could hear
The dark pools filling, the breath you took
Rising over the waters.
I felt the life leave me
With a gasp that gave me life.
No eyes opened to ask or to answer,
Yet then I knew you were another
That I had lost,
That you would never remember
Why the wound could not heal itself
Once we had awakened.

Howard Schwartz
Instructor, English
UMSL

(Reprinted from *New York Quarterly*.)

Vacancies

The following administrative, profession and academic vacancies were listed with *Spectrum* as of Sept. 8:

UMC — Asst. conference coord.; asst. dir., info. svcs.; chief engr. (in training); coord., computer operations; coord., special svcs.; computer proj. mgr.; mgr., reactor health physics; producer-dir.; farm mgr.; sr. fiscal analyst; sr. methods & procedure analyst; sr. res. sci.; sr. systems analyst (3); systems analyst (2); systems programmer/analyst; construction engr.; sr. construction inspector.

UMC MED CENTER — Admin. assoc.; chief nuclear med. tech.; nurse anesthetist (2); sr. reg. med. tech.; staff dev. coord (2); staff nurse I (17); staff nurse II (12); head nurse (2).

UMKC — None.

UMR — Asst. mgr., food svcs.; announcer; sci. programmer analyst.

UMSL — Admin. asst. (affirmative action); asst. dir., stu. financial aids; coord., vet. affairs; gen. mgr., KWMU.

Persons interested in an administrative vacancy should inquire through the personnel office on the campus where the vacancy exists. Those interested in an academic vacancy should inquire through 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. Listings will be run in two consecutive issues and then dropped, unless further publication is requested.

UM fails in efforts to block change in reimbursement rate

Dragging its collective feet and appealing repeatedly over the past two years, the University of Missouri has tried to block federal efforts to switch from a single institutional rate for reimbursement of indirect research costs to individual campus rates.

But the battle is clearly lost. Most of UM's peer research institutions have had to accept the recent federal preference for "cost center" accounting—a term indicating that the government will reimburse only to the unit incurring the costs and not to the total institution.

After exhausting all options without success, the University has notified HEW, the audit agency for federal contracts and grants, that UM is prepared to negotiate separate campus rates.

"Indirect costs" are most simply defined in business "overhead" terms—costs the University incurs while performing research for federal and state agencies. Some elements of indirect costs:

- At the department or divisional level: personnel time and use of equipment.
- In general administration or research units: processing, purchasing, accounting or other activities attributable to research work.
- Operation and maintenance of the physical plant, use of the library system and building space.

The University has clearly defined procedures for identifying and building indirect cost accounts. The individual campus compiles its total costs for all general expenses and then pinpoints a

certain part of that total for research purposes. To arrive at the research figure, campus officials use several methods, including total cost distribution, actual use distribution and salary and wage distribution.

Each campus is logically going to arrive at a figure which may vary widely from that of another campus. Look at the differences to be expected between the Columbia and Rolla campuses: Rolla, with its 4,600 students, has a heavy investment in expensive science and technology disciplines; that means high-cost programs spread among relatively small student enrollments. Columbia, too, has high-cost science/technology disciplines but also many lower-cost humanities programs — and some 23,000 students, which spread out and somewhat offset its expensive programs. The result is a lower indirect research cost for Columbia relative to that for Rolla.

After campus costs are developed, the central administration then pools them into an indirect research cost for the whole University. This total cost is divided by the total salaries and wages incurred for organized research, which gives the indirect cost rate. When UM converts to campus rates, central administration and campus budget and finance personnel will continue to cooperate in developing the sophisticated data comprising these rates.

It should be emphasized that money received from federal coffers as reimbursement for indirect research costs has always been — and will continue to be

— considered and treated as indirect cost reimbursements for campus overhead and used for campus general operating expenses incurred or to be incurred. For example, at the beginning of each fiscal year the total anticipated campus reimbursement for indirect costs is recorded and becomes part of the total funds available which the campus budgets to its various departmental and administrative accounts.

Whether institutional or campus rate proposals, HEW audits them, reviewing all costs, methods of allocation used, support maintained and costs composing the base. Guided by audit findings, the HEW regional comptroller negotiates the reimbursement rate with the institution. This rate will then become the acknowledged basis for campus or institution research budgeting and cost recovery.

Thus, a researcher finds that a percentage of funds from his or her grant will be set aside or removed from the grant, either at the time the proposal was written or prior to being awarded. These funds are the indirect costs of the researcher's project.

Just why the contention between federal government and the University over four campus rates versus one system rate? The government made the following assertions:

- Separate indirect cost rates are called for where "significantly different" levels of cost are generated by identifiable segments of research and where the amount of research affected by the rates to be fixed is "material."

- Separate rates pose no insurmountable problems for UM since "the University's accounting system adequately identifies cost to the campus on which the cost is incurred."

- With a single consolidated rate, the likelihood is strong that monies reimbursed for one project could be spent on others, contrary to federal statute. HEW considers this especially likely in view of the range of overhead rates among UM's campuses, from 48.8 per cent for the Columbia campus to 83.9 per cent for the Rolla campus.

- HEW does not intend to demand ever more localization in cost rates to the point that an institution is required to develop and negotiate rates on a departmental basis.

UM countered as follows:

- There is a definite HEW tendency to demand more localized divisional and departmental rates. This complicates the award and reporting procedures for the University, adding further bureaucratic expense to University efforts.

- A multiple-rate structure is contrary to the one-university concept which UM promotes. This concept may be most important in those occasional cases where campuses with varying reimbursement rates are in competition for a particular research contract. The government would logically prefer for the contract to go to the campus with the lower rate—all other things being equal. Such a situation would put one campus at a disadvantage, a circumstance avoided by a single rate.

- A consolidated rate would actually favor the federal government as a whole, since a single rate would be a slight undercharge of actual costs.

But in the end government regulations prevailed. HEW had proposed a retroactive date of July 1, 1974, for campus rates to go into effect, but UM asked for and received a delay until July 1, 1976. University budget and finance officials had not completed work on a single rate for the year ending June 30, 1975, pending outcome of appeals. This will now be completed and submitted by Sept. 30. Financial and budget personnel will then tackle development of individual campus rates for 1976 and subsequent years. Those proposals are due Dec. 31, 1976.

Specific questions on indirect research costs may be directed to the director of research in the campus graduate school.

Margaret Kraeuchi

Rights group works to end segregation in schools

Nancy B. Jones, who wrote the following story, is coordinator of communications and resources for the Midwest Center for Equal Educational Opportunity.

Desegregation of public schools has been an issue in education since May 1954, when the Supreme Court ruled that separate schools for black students were not equal to those for whites. Since then racial—and more recently, sexual—desegregation has been the focus of local, state and federal attempts to bring equal educational opportunities to students of all races and ethnic groups.

Most of the recent publicity about desegregation has been negative. Ask the ordinary citizen what the word "desegregation" brings to mind and the answer is likely to be something about the sanctity of "neighborhood schools" and the infringement of individual rights caused by "forced busing." Both concepts and the image they create are incomplete. Is there more information available? Is there anything good, after all, about desegregation?

For the Midwest Center for Equal Educational Opportunity (MCEEO), the answer to both questions is an unequivocal "yes." For three years, MCEEO has worked directly with the public schools in Missouri, Kansas, Iowa and Nebraska with the challenges of racial and sexual desegregation. Funded through HEW under Title IV of the 1964 Civil Rights Act and given additional responsibilities under Title IX of the 1972 Education Amendments, MCEEO has provided services ranging from simple discussions to long-range desegregation plans. Within this scope lie a wealth of activities: in-service workshops, conferences, seminars and technical assistance in such areas as ethnic awareness, sex-role stereotyping, human relations, curriculum integration and individualization of instruction.

In addition, MCEEO has assessed districts' overall needs in such areas as pupil assignment to schools and classes;

administrative structures, procedures and policies; extracurricular activities; community relations; and combatting re-segregation (the change of a neighborhood's population from one racial or ethnic group to another.)

Acting only at the request of the 121 districts it serves, MCEEO publishes a newsletter, an annotated bibliography of multi-ethnic curriculum materials, and houses a multi-media resource center for use by teachers in the four states.

Serving districts spread over such a large area often takes the center's staff members away from their UM offices. MCEEO's main location is at the Columbia campus. Here is housed the resource center and offices of five staff members: Dr. Charles Rankin, director; Ronald S. Wilson, assistant director; Connie Earhart, curriculum and instruction specialist; Dr. Murray Hardesty, program evaluation specialist; and Nancy Baker Jones, communications and resource specialist. MCEEO's community relations specialist, Juan Alberto Rodriguez, assisted by a graduate student, works at the Kansas City campus, and at the St. Louis campus are Dr. Al King, ethnic awareness specialist, and Delores Perry, human relations specialist.

Central to the Midwest Center's philosophy is that equality of educational opportunity be available to all students—simple enough in theory, but

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Appointments

Six new department heads in UMKC's College of Arts and Sciences have been named. They are Dr. C. Neil Bull, sociology; Dr. Abraham Blumberg, administration of justice; Dr. Bernard Lubin, psychology; Dr. Richard D. McKinzie, history; Dr. Frank E. Popp, chemistry; and Dr. John O. Ward, economics.

Symposium lauded

Following is part of a report on UMR's International Symposium on Earthquake Structural Engineering, held last month in St. Louis. The report was written by A. Longinow and will appear in the next issue of *Civil Engineering* magazine.

"The ISESE was . . . organized under the direction of Dr. F. Y. Cheng of UMR, who was both its coordinator and director.

"The stated objective . . . was to provide a means for the interaction and cooperation among practitioners, researchers, educators and other public servants in the field of earthquake structural engineering and to focus attention on structural design that is capable of minimizing the disruptive effects of earthquakes on population centers.

"It is my opinion that this symposium went a long way toward meeting this objective. . . . Nearly every category of structures and nonstructural systems capable of experiencing damage when subjected to earthquake motions was considered . . . either from design, analysis, retrofitting, repair, code provision, test or previous performance in an earthquake environment point of view. . . .

"The two-volume proceedings of this conference contains 90 full-length technical papers and constitutes a useful, contemporary document on the state-of-the-art in this subject area. Dr. Cheng and his colleagues deserve to be congratulated for a well organized and useful conference."

Here and There

Tuition break

University employees who enroll in University of Mid-America courses pay only a small part of the regular tuition charge, according to Dr. Lynn W. Martin, UMA state coordinator.

"With educational assistance available to University employees," he says, "a real educational bargain is now available. For a three-hour course regularly costing \$102, eligible employees will pay only \$25.50. This is an opportunity for University employees to earn regular university credit applicable toward a degree or for self-improvement."

Courses being offered this semester, he says, are Accounting I & II, Characteristics of Learning Disabilities, Child Psychology, Human Relations and School Discipline, Introductory Psychology and Anyone for Tennyson?

The courses will be broadcast throughout the state over KCPT/Channel 19 in Kansas City, KOMU/Channel 8 in Columbia, KETC/Channel 9 in St. Louis and various cable systems.

Additional information may be obtained by calling (toll-free) 1-800-392-0536. Telecourses began Sept. 11, but enrollment will be open through this month.

Floating holidays

A reminder to those who haven't been paying attention: The floating holidays for 1976-77 will be Thursday, Dec. 23, and Thursday, Dec. 30. Inasmuch as Christmas and New Year's fall on Saturdays, the Fridays preceding them are official holidays under University policy.

Pfander honored

William H. Pfander, head of UMC's department of animal husbandry, has been awarded the American Feed Manufacturers Association Award for his research in animal nutrition. The award was presented at the recent conference of the American Society of Animal Science.

New press book

The University of Missouri Press has published *Enabling Acts: Selected Essays in Criticism*, by Louis Coxe, Pierce professor of English at Bowdoin College.

The book contains essays on Edward Arlington Robinson, James Gould Cozzens and Edith Wharton, among others.

Copies, priced at \$9.50, are available from the UMP Press, 107 Swallow Hall, UM, Columbia, Mo. 65201.

Spectrum's calendar carries announcements that may be of interest to persons throughout the University system. Anyone wishing to place an announcement in Spectrum should write to Calendar, 424 Lewis Hall, UM, Columbia, Mo. 65201. The next issue of Spectrum is scheduled to appear Oct. 1, and the deadline is 1 p.m. on the preceding Friday.

Philharmonic Orchestra—Music-Media Experience I (Mozart's "Serenata Notturna" and "Piano Concerto No. 24" and Beethoven's "Symphony No. 2"); Crown Center Multi-Media Forum; 7:45, Sept. 17 & 18; single tickets \$6.50 & \$5.50, tickets for all three Crown Center concerts (Sept. 17/18; Sept. 23/25; Oct. 1/2) \$17 & \$14; Kansas City Philharmonic 210 W. Tenth St., Kansas City, Mo. 64105 (ph. 816-842-9300). **Staffordshire Pottery (1720-1825)**—new exhibit, Nelson Gallery, 4525 Oak, Kansas City.

Laura Gilpin Retrospective—exhibition of 100 photographs, tracing her work from 1910 to 1974; through Sept. 26, Nelson Gallery, 4525 Oak, Kansas City.

UMR Observatory—open to public, 8-10 p.m., Fridays, through Sept.

American Women Printmakers—lithographs, serigraphs & etchings; through Oct. 1, UMKC Fine Arts Gallery, 50th & Holmes; 8-5 Mon.-Fri., 2-5 Sat. & Sun.

Coming of Age: Retrospective of the Friends of Art Collection—through Oct. 3, Nelson Gallery, 4525 Oak, Kansas City.

Forest Park Balloon Rally—about 35 hot-air balloons; take-off 5 p.m. Sat., 9 a.m. Sun., Sept. 18-19; Balloon Field, Forest Park, St. Louis.

The Ballad of Baby Doe—Lyric Theater; Sept. 18, 21, 23 and 29, and Oct. 1; 11th and Central, Kansas City.

Football: UMR vs. Wayne State—1:30, Sept. 18; Rolla.

Football: UMC vs. Illinois—1:30, Sept. 18; Columbia.

Medical seminar

Dr. Janet G. Travell, personal physician to two U.S. presidents, will participate in a two-day seminar — Sept. 18 and 19 — focusing on the role of women physicians in the health-care setting.

The symposium — "Channels for Change: The Emerging Role of the Woman Physician" — will be held at the UMKC medical school building and at Children's Mercy Hospital. Further information may be obtained from the Division of Continuing Education, 2220 Holmes, Kansas City, Mo. 64108 (ph. 816-276-1339).

Bob Hope Show—two-hour program beginning at 8 p.m., Sept. 18, Hearnes Multipurpose Building, UMC; box office to open Aug. 30; tickets: \$6, \$5 and \$4.

Hockey: St. Louis Blues vs. Pittsburgh—7:30, Sept. 18, Kemper Arena, Kansas City.

Midwest Interprofessional Seminar on Diseases Common to Animals and Man—UMC; Sept. 21-22. The annual seminar focuses on zoonotic and comparative medicine. This year's keynote speaker will be Dr. Michael W. Fox, director of the Institute for the Study of Animal Problems, Humane Society of the United States. Further information may be obtained from the Office of Continuing Education and Extension, College of Veterinary Medicine, 23 Veterinary Sciences Building, Columbia, Mo. 65201.

Hockey: St. Louis Blues vs. N. Y. Islanders—7:30, Sept. 21, Kemper Arena, Kansas City.

The Pirates of Penzance—Lyric Theater; Sept. 22, 24 and 25, and Oct. 19 and 21; 11th and Central, Kansas City.

Isaac Bashevis Singer—lecture entitled "The Condition of the American Jew: And Jewish Literature"; Sept. 22; Pierson Hall, UMKC; tickets \$2.50; write to University Ticket Office, 5100 Rockhill Rd., Kansas City, Mo. 64110, or call 816-276-2705; individual tickets to be available at the door.

Philharmonic Orchestra—Music-Media Experience II (Bach's "Brandenburg Concerto No. 1" and Mozart's "Mass in C Minor"); Crown Center Multi-Media Forum; 7:45, Sept. 23 & 25; ticket info. under earlier Philharmonic listing.

Count Basie and the Kansas City All-Star Jazz Reunion—8 p.m., Sept. 24, Music Hall, Kansas City; tickets \$4, \$5 & \$6; SASE to UMKC Ticket Office, 5100 Rockhill Rd., Kansas City, Mo. 64110.

Football: UMR vs. Kansas State-Pittsburg—1:30, Sept. 25; Rolla.

Football: UMC vs. Ohio State—Sept. 25; Columbus.

Hockey: St. Louis Blues vs. Atlanta Flames

Chamber music

The Conservatory of Music, UMKC, has announced the following schedule of performances in its Chamber Music Series:

- Volker String Quartet (Oct. 23).
- Klausner-Kemner Duo (Dec. 4) — Tiberius Klausner, violinist, and Gerald Kemner, pianist.
- Douglas Niedt (Jan. 23, 1977) — guitarist.
- Volker String Quartet (Feb. 19) — with pianist John McIntyre.
- Ricercare (Feb. 26) — Swiss Renaissance wind ensemble.
- Fresk Quartet (Mar. 23) — Swedish string ensemble.
- Volker String Quartet (April 30).

All performances are scheduled for 8:15 p.m. in the Raymond B. Bragg Auditorium of the All Souls Unitarian Church, 4500 Warwick Blvd.

Tickets cost \$4; regular adult season subscription, \$18; faculty and staff subscription, \$12; student subscription, \$10. An additional \$4.50 on a season subscription buys the subscriber an \$8 ticket to Hartford Ballet's performance Apr. 22, 1977, at the Music Hall. (This bonus offer is limited to the first 100 persons who purchase season subscriptions. For further information, call 816-276-2705.)

Ticket orders should be addressed to Central Ticket Office, University Center, 5100 Rockhill Rd., Kansas City, Mo. 64111.

—7:30, Sept. 25, Kemper Arena, Kansas City. **Glenn Miller Orchestra**—directed by Jimmy Henderson; in concert, Sept. 26 & 27, at the Plantation dinner theater in St. Louis; ph. 314-869-9400.

Weaving by Egyptian Children—Sept. 26-Nov. 7, sales and rental gallery, Nelson Gallery, 4525 Oak, Kansas City.

Ruth Laredo, pianist; Jesse Aud., UMC; 8 p.m. Sept. 28; tickets to go on sale at Memorial Union ticket window about two weeks prior to concert, priced at \$2 & \$3; season tickets (for Laredo; Musica da Camera, Oct. 25; and Guarneri String Quartet, Nov. 22) to be available about mid-Sept., priced at \$5 & \$8.

Marilyn Horne, soprano, in concert, Kansas City Music Hall; Sept. 28; for tickets write to Fine Arts Program, William Jewell College, Liberty, Mo. 64068.

Andrea Chenier—Lyric Theater; Sept. 28 and 30, and Oct. 2, 6 and 8; 11th and Central, Kansas City.

Philharmonic Orchestra—Music-Media Experience III (Haydn's "Cassation" and Mozart's "Clarinet Concerto" and "Symphony

No. 41"); Crown Center Multi-Media Forum; 7:45, Oct. 1 & 2; ticket info. under earlier Philharmonic listing.

American Quartet—8 p.m., Oct. 2, Unitarian Church, 121 W. Eighth, Kansas City, Mo. 64150; tickets \$6.50 in advance, \$7 at the door; write in care of Unitarian Church or ph. 816-531-2297 or 816-561-2159.

Football: UMC vs. North Carolina—1:30, Oct. 2; Columbia.

Maynard Ferguson Jazz Concert—8 p.m., Oct. 3, Jesse Aud., UMC.

La Traviata—Oct. 5, 7, 9, 13 & 15, Lyric Theatre, 11th & Central, Kansas City.

Equus—first production of MSA's 1976-77 Broadway Play Series; 8 p.m., Oct. 7, Jesse Auditorium, UMC; tickets \$3.50, \$4.25 & \$5, available at ticket window in UMC's Memorial Union.

UMKC Conservatory Symphony Orchestra—8:15, Oct. 8, Pierson Hall, UMKC.

Football: UMR vs. Lincoln—1:30, Oct. 9 (parent's day); Rolla.

Football: UMC vs. Kansas State—Oct. 9; Manhattan.

The Barber of Seville—Oct. 12, 13, 16, 20 & 22, Lyric Theatre, 11th & Central, Kansas City.

Football: UMC vs. Iowa State—1:30, Oct. 16 (homecoming); Columbia.

Football: UMR vs. Central Missouri State—2 p.m., Oct. 16; Warrensburg.

Chamber Music Society of Lincoln Center—8:15 p.m., Oct. 16, Jesse Aud., UMC.

Manhattan Transfer—8 p.m., Oct. 17, Uptown, Kansas City; tickets \$5, \$6 & \$7; SASE to UMKC Ticket Office, 5100 Rockhill Rd., Kansas City, Mo. 64110.

UMKC Conservatory Civic Orchestra—8:15, Oct. 17, Pierson Hall, UMKC.

Chinese Acrobats of Taiwan—8 p.m., Oct. 23, Music Hall, Kansas City; tickets \$6, \$7 & \$8; SASE to UMKC Ticket Office, 5100 Rockhill Rd., Kansas City, Mo. 64110.

Football: UMR vs. Southwest Missouri State—1:30, Oct. 23 (homecoming); Rolla.

Football: UMC vs. Nebraska—Oct. 23; Lincoln.

Prague Musica da Camera—8 p.m., Oct. 25, Jesse Auditorium, UMC; ticket info. under Ruth Laredo listing.

English Lecture Series: Mark Rose, University of Illinois; 8 p.m., Oct. 25, Small Ballroom, Memorial Union, UMC; lecture entitled "What's Past is Prologue: 'Julius Caesar' and 'Anthony and Cleopatra.'"

"Solar Energy in the Midwest," a one-day conference to be held Oct. 27, 8-4:30, at the Radisson-Muehlebach Hotel, 12th & Baltimore, Kansas City. Fee: \$30. Further info.: Gordon L. Moore, Room 2008, College of Engineering, UMC (ph. 314-882-7401).

The Liar—8 p.m., Oct. 28, 29, 30; 2 p.m., Oct. 31; University Playhouse, 51st & Holmes, UMKC; tickets \$3.

Football: UMR vs. Northwest Missouri State—7:30 p.m., Oct. 30; Maryville.

Football: UMC vs. Oklahoma State—Oct. 30; Stillwater.

Desegregation program

(Continued from page 3)

complex enough in practice to require the existence of 26 other centers across the country with purposes identical to MCEEO's.

The staff's work deals with issues central to the philosophy of education itself: whether educators are truly committed to helping all students develop fully, to discover all the options open to them. "If we were," said one staff member, "we would be recognizing the strengths of individual and cultural differences instead of trying to homogenize them. What we are really fighting here is the myth of the Melting Pot, the deeply imbedded idea that everyone should conform to an abstract concept of the American ideal." The center asks, "Whose ideal?" What happens when you are not a white, Protestant, standard-English speaking, middle-income citizen? Students who don't fit the mold often suffer for it, in ways both subtle and obvious: they may be channelled into certain roles because of their sex, they may be forbidden to dress or speak according to their culture, they may be judged mentally deficient because they do not read or understand English well, then, tracked into classes for slow learning, they

may be taught that they are indeed inferior because they are different.

So emerges the essence of desegregation: bringing people together so they can learn, not to change one another, but hopefully to stop fearing one another. When this begins, integration begins.

The first step, then, is getting people together. Transporting students is only one of several solutions the center's consultants have recommended in their desegregation plans. Other avenues may include redesigning district zones, creating attendance centers so that all children in certain grades attend one building, or creating magnet schools. Whatever option is chosen, the object is to overcome the separation of races caused by segregated neighborhoods and their consequently segregated neighborhood schools.

As Dr. Rankin told a group of educators meeting in Berlin, the implications of teaching all students about all people can only pave the way toward a more peaceful future where differences are not feared, but understood and, more, appreciated. "We can develop great understanding through teaching cultural pluralism," he said. "Never before have we had the opportunity to know so much about the world we inhabit. But it is also true that the quality of life, and respect for the individual worth of each person may be lessening. We need to reaffirm that the proper study of human kind is still humans."