

UM Press books win competition

Three volumes published by University Press won awards recently in book show competitions for design. The three books were designed by Edward D. King, director of the Press.

Infinite Jest: Wit and Humor in Italian Renaissance Art by Paul Barolsky will be displayed at universities throughout the nation as a winner in the Association of American University Presses Book Show. Featuring 99 illustrations, the volume is also among the winning books in the Midwestern Books Competition, the 30th Annual Exhibit of the Chicago Book Clinic, and the Kansas City Art Directors Show.

Two Tales by Charlotte Brontë: "The Secret" & "Lily Hart," transcribed and edited by UMC English Professor William Holtz, is a winning selection in the Midwestern Books Competition and the Chicago Book Clinic. An outstanding characteristic of this book is the facsimile of the original Brontë juvenile manuscript, which contains approximately 19,000 words written in the writer's microscopic handwriting in a tiny, 16-page folio.

The winner of the Kansas City Art



Directors Show is *The Eads Bridge: Photographic Essay* by Quinta Scott. *Historical Appraisal* by Howard S. Miller. Complementing the text are 58

contemporary photographs and 16 historical drawings of the bridge which spans the Mississippi River at St. Louis.

UMC prof selected for ACLS grant

Edward Mullen, a UMC professor of Spanish, has been awarded a grant-in-aid from the American Council of Learned Societies for post-doctoral research.

Dr. Mullen is one of 99 U.S. scholars selected this year. His research project is entitled "Edition of *Poems by a Slave in the Island of Cuba* translated from the Spanish by R. R. Madden, M.D."

The ACLS grants program is sponsored by the Ford Foundation and the National Endowment for the Humanities.

Congressman cites Purdy's achievements

Allan Purdy is going out in style. Mr. Purdy, the man who helped to develop the nation's student financial aid programs during his 30-year career as financial aids officer at UM, is retiring Sept. 20.

Rep. Carl Perkins, the Kentucky democrat who chairs the House Committee on Education and Labor, recognized Mr. Purdy's accomplishments recently in a brief speech before the U.S. Congress.

Rep. Perkins said, "Time and time again we relied on him for help and guidance in the drafting of such important legislation as the college work-study program, the guaranteed student loan program, and the three grant programs. I can think of no person outside government who has contributed more to the development of effective and adequate federal student assistance programs than Allan."

Mr. Purdy began his career as a horticulturist, teaching briefly at Rutgers University. After a stint as captain of a PT boat in World War II, Mr. Purdy came to UM to work as a state extension horticulturist and as assistant to the dean of the College of Agriculture.

Mr. Purdy began his later career by helping agriculture students find money to continue schooling. In 1958 he was appointed the first director of aids and awards at UMC. In 1971 he became UM system director.

Administrative changes announced

Thomas Collins, a physicist with extensive research management experience, has been named associate vice president for academic affairs for the UM system, effective Sept. 10.

Presently a civilian staff physicist with the U.S. Air Force, Dr. Collins will have the major responsibility for

the coordination and development of research units. He will also hold the rank of professor of physics at UMSL.

The announcement of Dr. Collins' appointment was made by Melvin George, vice president for academic affairs.

Dr. George also announced that

Leonard Douglas, vice provost for extension on the Columbia campus, will serve as acting director of cooperative extension for the UM system. Both this position and the position of associate vice president for extension were established as part of extension reorganization plans announced by UM President James C. Olson. A search committee for the associate vice president has been named.

Under Dr. Olson's plan, the overall responsibilities for extension were reassigned to Dr. George. In turn, he will be assisted by an associate vice president and the cooperative extension director, the director having a split appointment between the UM system and UMC.

William D. Poore, director of UM Personnel Services, has been named personnel director at the University of Louisville, effective Sept. 15.

Mr. Poore has 28 years' experience in the personnel field, having served the UM system in his current position since 1965.

Three UMC professors win Fulbright-Hays awards

UMC Professors Whitney Hicks, Kent Murmann, and Louis Sherman are pursuing research in Mexico, Austria, and the Netherlands respectively this year, all on Fulbright-Hays grants. The highly coveted awards are given under the Mutual Educational and Cultural Exchange Program.

Dr. Hicks, professor of economics and former department chairman, will lecture and do research at the University of Nuevo Leon in Monterrey, Mexico. His major research interest is in economic and demographic change in Mexico. To meet the requirement that he lecture in

Spanish, Dr. Hicks took an intensive course in the language at UMC this past summer.

Dr. Murmann, professor of chemistry, will spend the 1980 winter semester at the University of Mining and Metallurgy in Leoben, Austria, where he will continue his basic research on oxygen-18 exchange with inorganic complexes. A member of the faculty since 1958, Dr. Murmann heads one of three international research groups working on oxygen-18 exchange.

Dr. Sherman, an associate professor of biological sciences, will use his Fulbright-Hays award to do research in the Netherlands during a 1979-80 sabbatical leave of absence. Dr. Sherman will be associated with the University of Leiden, where he will develop procedures and continue studies on the use of recombinant DNA techniques to clone and analyze blue/green algae genes for photosynthetic functions.

Olson announces two floating holidays

President Olson has designated the following as the two floating holidays for the 1979-80 fiscal year: Monday, Dec. 24 and Monday, Dec. 31.

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Marchello: an outline of UMR's future

Editor's Note: Joseph M. Marchello has just completed his first academic year as chancellor on the Rolla campus. Reflecting on the past months, he was asked what he felt were his major accomplishments and where he sees the campus heading in the years ahead. His comments follow:

I'm not sure I can speak of our recent accomplishments very objectively, so let's concentrate on what's ahead. There are several areas we are working on at Rolla such as initiation of an honors program, professional and staff development, improving opportunities and support for instruction and research, improving productivity and evaluations of both faculty and staff, increasing enrollments, serving the State of Missouri, improving student services and facilities and making capital improvements. The list is long, and that's good.

Certain to receive a great deal of attention in the months ahead is the total research effort at UMR. Because of its specific educational mission, it is imperative that Rolla continue to grow and develop in research. This is particularly true of interdisciplinary research as well as the special mission research activities carried on in such areas as the Graduate Center for Cloud Physics Research, the Rock Mechanics

We get a great many of our students from there, many of our graduates are employed in that general area, and also UMR operates its Graduate Engineering Center at UMSL.

One of my first priorities when I came to UMR was to meet with Chancellor Arnold Grobman at UMSL to explore mutually important considerations. I found him to be very cooperative and interested in increasing UMR's service to the St. Louis community. As a result, I believe UMR and UMSL are approaching a level of cooperation which will be extremely important to both campuses in the years ahead.

UMR is placing an increasing emphasis on a number of programs designed to provide better engineering education opportunities in the St. Louis area. This includes an expansion of our undergraduate Cooperative Training Program, added emphasis on our transfer program with UMSL as well as the junior colleges in St. Louis, increased mid-career professional programs and a general expansion of the Graduate Engineering Center.

In the future, UMR will cooperate more closely with UMSL in all aspects. UMSL's programs, especially in science and business, provide support to the graduate engineering programs of the Graduate Engineering Center. Both

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and Explosives Research Center, the Institute of River Studies and the Materials Research Center. One example of such efforts is the recent grant from the Department of Energy to support UMR research on producing gaseous fuel from wood wastes.

So, as you can see, the Rolla campus is aggressively pursuing improvement and excellence on several fronts simultaneously. But let me pick two areas to speak about in some detail—UMR's service to the St. Louis area and its service to the business and industrial needs of the entire state. Actually, these are the same, or at least there is considerable overlapping.

The St. Louis metropolitan area is very important to the Rolla campus.

the UMR and UMSL catalogs will carry information on the UMR engineering education opportunities as well as UMSL's pre-engineering program. Chancellor Grobman and I are seeking jointly new capital construction on the St. Louis campus—specifically, a science building which would provide needed space for UMSL as well as the UMR Graduate Engineering Center.

This objective is important because St. Louis needs the type of manpower which UMR provides. For that matter, the entire State of Missouri needs the educational productivity of UMR. And this is not limited to engineering.

Business and industry in Missouri need more than newly trained engineers



Joseph M. Marchello

and scientists. One of the programs on campus which meets this need is the Department of Engineering Management. This department provides engineers with potential for careers as business and industrial managers. Because of this, the program is suited uniquely to many of the needs throughout Missouri.

Engineering management is, in some ways, like a business school, but in other ways it is quite different. That is, the business training is provided within a fully integrated, strong campus engineering and science program. Bachelor's degree students spend two years on basic science and mathematics, one year on an engineering specialty and the final year on courses in production, marketing, personnel, finance and general management. The faculty largely is made up of engineers with business education and industrial experience. They are uniquely qualified to prepare graduates to be of maximum value in the production and marketing areas of the industrial corporation.

The engineering management curriculum is fairly new in higher education. A recent article in *Business Week* pointed out that only 40 campuses in the nation currently offer such a program, and more than half of those started within the past five years. The same article went on to say that UMR's program is one of the pioneers in this field, having been organized in 1967.

The thrust behind the development of this kind of education is coming from both students and employers. The students are interested in more marketable degrees. By the same token, business and industry are demanding college graduates who are more broadly educated to meet the needs of today's society.

UMR's Department of Engineering Management is doing more than

providing graduates. It is also providing direct support to Missouri businesses through its extension and public service activities.

One such example is the department's cooperative program with the State Department of Elementary and Secondary Education to help 78 sheltered workshops for the handicapped operate more efficiently and productively. Another example is the Center for Applied Engineering Management funded by the U.S. Small Business Administration and the U.S. Economic Development Administration.

There are several similar thrusts and opportunities at UMR. We are striving for excellence in all areas of engineering, in mines and metallurgy and in the sciences. But our efforts—in cooperation with UMSL—to improve educational opportunities in the St. Louis area and the engineering management program are indicative of the goals and aspirations for the future at UMR.



Freilich states views on urban students, law

A UMKC law professor prominent in the development of national urban policy is attempting to help UMKC define its own urban role.

Under its 10-year academic plan, UMKC is committed to the development of urban affairs as one of three major academic thrusts—along with the health sciences and performing arts.

For Robert Freilich, Hulen Professor of Law in Urban Affairs, that commitment remains an important goal for urban affairs on the Kansas City campus. Mr. Freilich arrived at UMKC in 1968. He has chaired the UMKC Urban Affairs Advisory Committee for six years.

The first major step forward has been taken, Mr. Freilich believes, with a number of departments establishing urban programs. He mentions the Schools of Law, Administration and Education as well as the departments of geosciences, economics and political science, as examples.

"Almost every department has begun to develop an urban course or curriculum, or is aware of the need to work with the external community for the solution of problems," Mr. Freilich says. "These are essential beginnings, although they are not the hallmark of an urban university. For UMKC to establish urban affairs as a major thrust, we will have to be certain that programs and disciplines create unified, interdisciplinary opportunities for education, research and service in urban fields."

Mr. Freilich sees several major needs—one is the establishment of an urban planning program as recommended by the Urban Affairs Advisory Committee.

"Urban planning is the central discipline in urban studies," says Mr. Freilich. "It pulls together economics, law, administration, engineering, the political, social, and health sciences and enables us to undertake major research and present interdisciplinary offerings. It would be the cement we need."

A second need is the development of meaningful urban social programs. The committee recommended establishment of a master of social work program and expansion of the urban sociology offerings. Mr. Freilich

wants to encourage a much greater emphasis on the social problems of the region.

A third need is the establishment of the capability to provide urban research. Ideally, this would mean the creation of a center with a broad interdisciplinary team to study problems, publish and attract scholars and speakers.

Finally, there must be an identification of resources and administrative responsibility for urban affairs, the law professor says.

After earning a law degree from Yale at the age of 21, Mr. Freilich spent 10 years as an attorney in a New York law firm. He represented 18 different municipal agencies and handled 65 municipal and land-use cases in the courts.

The most significant of these cases was the Ramapo case—the first major U.S. growth management case—which Mr. Freilich won in the U.S. Supreme Court. The decision essentially upheld the right of a community to regulate its rate and sequence of growth in order to curb urban sprawl and to assure that developers provide adequate public facilities to newly-growing communities.

Mr. Freilich earned his master's degree and his doctor of law degree

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from Columbia University in 1967-68.

At the UMKC School of Law, Mr. Freilich directs the Urban Legal Affairs Program. UMKC's Law School is one of four across the nation to offer a graduate degree (LL.M.) in urban affairs with a specialty in land-use planning and environmental law. Begun in 1968, it now has more than 100 graduates.

"In urban affairs we offer a greater scope of course work than almost any other law school in the country," says Mr. Freilich. "When I went back to Yale for my 20th reunion, I was pleasantly surprised to find that our program is much broader."

Another plus for UMKC is the fact that Mr. Freilich edits *The Urban Lawyer*, the national journal of the



Robert Freilich

American Bar Association in the field of urban affairs. The publication has a staff of 40, mostly law students, who write articles and analyze cases, statutes and developments.

"It probably has done a great deal for the enhancement of the reputation of the law school nationally," says Mr. Freilich.

Since shifting from practicing to teaching law, Mr. Freilich's own work has been all that he anticipated and even more. He has been involved in the structuring of growth management systems for cities, counties and regions. In describing these directions in land use planning, he explains:

"Not only do we try to regulate growth in the suburbs, but also by slowing it down we assist in redirecting growth back into the cities.

It disturbs him that few persons are seeking long-term solutions.

"We don't have a present-day Kessler, who planned for the 60-year development of Kansas City's parks and boulevards," he says. "Private planning has had some beautiful but limited results. What happens if unlimited growth continues at the fringes? What happens to Kansas City as an agri-business center? What happens to our existing neighborhoods? What happens if we become an apartheid society?"

Existing regional groups are very limited in effectiveness, according to Mr. Freilich. He points out that the Area Transportation Authority is inadequately financed with a temporary tax, which prevents capital financing of mass transit systems.

Society's crises during the last decade have made us aware of problems that demand solutions, Mr. Freilich says, adding that in the late 60's, riots in the ghettos showed the dimensions of unemployment, abandonment and segregation.

"Such problems cannot be solved by cities alone," the law professor says. "We need metropolitan solutions to economic, social and physical problems."

Soon after those problems came the environmental crisis.

He says, "We need to do a much better job. Controlling pollution of air and water is only the beginning. Prevention of flooding and conservation of natural resources are only a step below in priority."

To Mr. Freilich, crises mean that governments are going to have to get together with industry and solve problems. It is during this process that they will need the help an urban university can offer, he says.

This & That

HEW guidelines available

Copies of HEW guidelines regarding recombinant DNA research are now available in libraries on all four UM campuses.

The guidelines, which became effective in January, are generally less restrictive than previous federal government regulations on recombinant DNA research.

The information now on reserve in the reference sections of the libraries also contains instructions on how to submit proposals for review by the UM system Biosafety Committee.

Representatives from the four campuses, who serve on the committee required by federal law, include: Paul F. Agris, UMC associate professor in biological science; Alan F. Berndt, UMSL professor of chemistry; David J. Harris, UMKC chief of the genetic counseling center; Aly H. Mohamed, UMKC professor of biology and Nord Gale, UMR associate professor of life science.

UM system members are William R. Lower, group leader at Environmental Trace Substance Center; Norm Sunderland, assistant radiation safety officer. Ex officio members are Melvin D. George, vice president for academic affairs, and Paul R. Keenan, assistant to the vice president.

UMC reduces vehicle fleet

UMC is decreasing its fleet of vehicles to meet Gov. Joseph Teasdale's mandated 10 percent gasoline reduction for state business.

The campus is auctioning 37 vehicles. The 615-vehicle fleet includes units assigned to the UM central administration, the Medical Center, and the various farms administered by the College of Agriculture.

Kee Groshong, UMC assistant business operations officer, said most of the vehicles being auctioned are from the agricultural experiment station and Physical Plant.

UMC helps older students

Three \$1,000 scholarships for students over age 50 are available at UMC.

The Colonial Penn Elder Scholarship of \$1,000 for the 1979-80 academic year can be applied to fall semester tuition. The sponsor is a major insurance firm.

Full-time or part-time degree students are eligible, but must be recommended by a faculty member in

their major field. In addition, they are required to submit a brief essay on "Importance of Education after 50."

Dean Dunn to step down

Watson Dunn, dean of the College of Business and Public Administration at UMC, has asked to be relieved of his administrative duties by the fall of 1980. He plans to teach full time as professor of marketing.

UMC Chancellor Barbara Uehling said a search committee for the position will be appointed early this fall.

UMR dean named

Ken Robertson, associate professor of chemistry, became the new dean of students at UMR, on Aug. 1. Dr. Robertson replaces Paul Ponder, who has assumed the position of UMR registrar.

Dr. Robertson joined the Rolla faculty in 1965. His area of specialty is solid-state chemistry: structural, magnetic and electrical properties. He holds a B.A. in chemistry from West Texas State University and a Ph.D. in chemistry from Texas A&M.

Professor teaches in Egypt

Norbert J. Kreidl, UMR professor emeritus of ceramic engineering, recently taught a course on non-crystalline solids at the American University in Cairo, Egypt.

He also worked and lectured on a project converting an Egyptian village to solar energy.

Last spring, Dr. Kreidl gave seminars on advances in glass science at the Universities of Jena in East Germany and Erlangen in West Germany.

Muller is new UMSL dean

Julia King Muller was appointed dean of student affairs at UMSL recently, following a national search that attracted 112 candidates.

Dr. Muller came to UMSL in August, 1978, as assistant dean of student affairs and was appointed acting dean on Feb. 15 of this year. She replaces Conney Kimbo, who accepted a position as vice chancellor for student affairs at the University of Pittsburgh.

Journalism among top 8

The UMC School of Journalism was included among the top eight journalism schools, in a survey of 56 deans and directors of journalism schools. The top eight, which were not ranked, are at the state universities of Indiana, Kansas, Missouri, Minnesota, Wisconsin, Nebraska, and at Columbia and Northwestern universities.

Hopps to work with Polish

Howard Hopps, Curators' Professor of Pathology at the UMC Medical Center, was invited recently to work with members of the Polish Academy of Science as a consultant.

People

Anna Brock, former director of the Gerontological Nursing Program at the University of Maryland, has been named assistant dean and director of graduate studies for the UMC School of Nursing.

Barbara Duffer is the new director of continuing education for UMC's School of Health Related Professions. She is the former director of allied health and public health education for the Fayetteville, N.C., Area Health Education Foundation.

Patrick Morton is the new associate director of the UMC Hospital and clinics, and director of financial services. He was formerly with the consulting firm of Kasonic and Associates, Albuquerque, N.M.

Richard Rice has been named chairman of the UMC department of military science. Col. Rice replaces Lt. Col. Michael Easley.

Victor Dropkin, UMC plant pathology professor and authority on plant nematodes, has been named a Fellow of the American Phytopathological Society. Only eight of the more than 3,700 APS members received this honor at the ninth International Congress of Plant Protection held recently in Washington, D.C.

Victor Lambeth, UMC professor of horticulture, has been elected a fellow of the 4,400-member American Society for Horticultural Science. He is one of only 14 who received the honor at the society's annual meeting at Ohio State University.

James Davis, chairman of the physiology department at the UMC School of Medicine, was named president-elect of the International Society of Hypertension at a recent meeting of the society in Gothenburg, Sweden.

Marlin Rogers, UMC professor of horticulture, has been named as a winner of the L.M. Ware Award for

Distinguished Teaching by the American Society for Horticultural Science. The award was presented at the recent annual meeting of the ASHS at Ohio State University.

Barry Levin, UMC professor of social work, has received a Gerontology Society fellowship. He is one of 15 researchers who were honored.

Hazel Scott is the new assistant dean for student affairs at the UMC School of Medicine. She is a former staff associate and assistant professor of psychiatry and behavioral science at the University of Illinois School of Medicine in Peoria.

Karl Nolph, director of UMC's division of nephrology, has been invited to participate in a series of seminars on end-stage renal care in the People's Republic of China. Dr. Nolph is internationally recognized for his work in peritoneal dialysis.

Victoria Patryla, UMSL assistant professor of education, served recently as an instructor in the International Studies Abroad Program in Scotland and England.

John Hamblen, chairman of the UMR computer science department, was appointed chairman of the education committee of the American Federation of Information Processing Societies, Inc.

Boris Abad, assistant professor of petroleum engineering at UMR, recently conducted a seminar entitled "Enhanced Oil Recovery, CO₂ and Steam Injection" in Colombia, South America.

Gary Henderson, UMC associate professor of forestry, recently participated in an International Workshop on Effects of Acid Precipitation held at Brookhaven National Laboratory on Long Island. The workshop was co-sponsored by the Department of Energy and the Environmental Protection Agency.

Jobs

The following administrative, professional, and academic vacancies were listed with *Spectrum* as of Aug. 22. Those interested in a position should contact the appropriate academic department or personnel office.

UMC: Asst. directors, admissions, alumni activities, student life; asst. to Vice Chancellor; computer programmer/analyst I (2); computer programmer/analyst II; engineer, Physical Plant; fiscal analyst; health program specialist; managers, business services, parking operations; research specialist (7); research specialist, ophthalmology; scientific programmer/analyst II; sr. fiscal analyst; sr. information specialist; staff nurse, clinical research center; student services coordinator/counselor (3); supervisor, business services; systems analyst; asst. professors, marketing (2), management (2), medicine, veterinary anatomy/physiology, veterinary microbiology, veterinary pathology; associate professors, child and family development, radiology, veterinary medicine and surgery, veterinary pathology; instructors, anesthesiology, art and curriculum/instruction, radiology; professors, law, veterinary

anatomy/physiology (chairman), veterinary pathology; **UMca:** computer project manager (2); coordinator, production schedule (2); sr. personnel associate; sr. systems analyst; systems support specialist;

UMC Hospital: Asst. director, nursing; computer programmer/analyst I (2); computer programmer/analyst II (2); computer project manager; directors, nursing, computer center; head nurse (5); managers, financial reimbursement, patient admissions; nurse anesthetist (2); nurse practitioner; nurse recruiter; pharmacist (3); registered medical technologist; research specialist; social worker (2); sr. programmer/analyst; sr. research specialist; staff nurse (63); supervisors, histocompatibility lab; social services; systems analyst;

UMKC: Associate director, counseling center; manager, alumni activities; supervisor, medical photography; sr. continuing education coordinator;

UMR: Special services counselor; energy conservation engineer; dean, School of Engineering;

UMSL: Lecturer/coordinator, director, Center for Academic Development.

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