



## Missouri S&T Magazine, June 1976

Miner Alumni Association

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*Alumnus*

JUNE 1976

UNIVERSITY OF MISSOURI - R O L L A



**Class of 1926**



*Alumnus*

MSM-UMR Alumni Association  
University of Missouri - Rolla  
Rolla, Missouri 65401

Volume 50

JUNE 1976

Number 3

*On the Front Cover*



*Left front: Dan Kennedy, Cab Smith, Guy Staples, and Harold Thomas.*

*Second row: Joe Wilson, Erwin Gammeter, Harry Birchard, Jim Crawford, and Elmer Gammeter.*

Issued bi-monthly in the interest of the graduates and former students of the Missouri School of Mines and Metallurgy and the University of Missouri - Rolla. Entered as second class matter October 27, 1926, at Post Office at Rolla, Missouri 65401, under the Act of March 3, 1897.

# MSM-UMR Alumni Association

Telephone (314) 341-4171; (314) 341-4172

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President-Elect	Richard H. Bauer '52	Missouri Electrochem, Inc. 8013 Dale Ave., St. Louis, MO 63117	1976
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Treasurer	Vernon T. Loesing '42	Route #4, Box 50 Rolla, MO 65401	1976

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63-65	Edwin J. Werner '49	11015 East 39th, Independence, MO 64052	1976
66-74	Herman Fritschen '51	5249 S. 68th East Place, Tulsa, OK 74145	1976
75-79	Rex Alford '40	5743 Jason, Houston, TX 77035	1976
80-90	Thor Gjelsteen '53	3065 South Ingalls Way, Denver, CO 80227	1977
and			
96-99			
90-95	E. Murray Schmidt '49	157 Hickey Blvd., S. San Francisco, CA 94080	1976

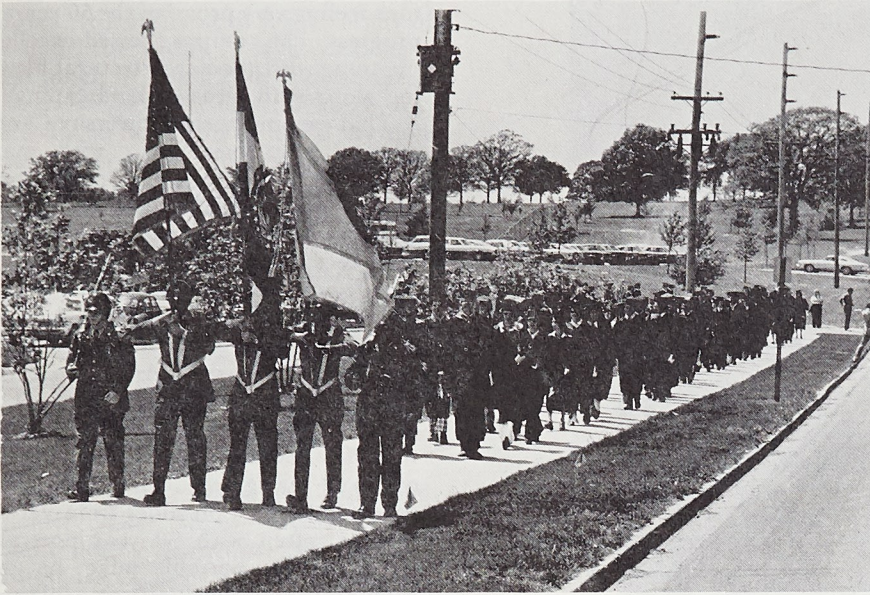
		EXECUTIVE COMMITTEE	Term Expires
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		STAFF	Term Expires
Frank H. Mackaman	Executive Vice-President, MSM-UMR Alumni Association, and Director, Alumni Activities,		
Barbara Petrovic	Staff Assistant, MSM-UMR Alumni Association and Secretary, Alumni Activities.		

University of Missouri - Rolla, Harris Hall, UMR, Rolla, MO 65401

# A Beautiful Day in May



by

Elmer Gammeter '26  
Editor-in-Chief, 1926 ROLLAMO

On a beautiful day in May (Saturday the 8th to be exact) my brother Erwin and I, accompanied by our wives, drove down to Rolla from St. Louis to celebrate the 50th Anniversary of our Commencement. It took just two hours — somewhat different from the trip 50 years ago when it took 11 hours and nine punctures, or the other way around. We had had several informative letters from Frank Mackaman (as far back as June 1975) and a warm letter of invitation from Chancellor Bisplinghoff giving us all ample time to arrange our schedules to attend.

As we drove down I'm sure our minds were full of many memories. "Erv" and I had been pretty close over the prep school years and entered Rolla together. After graduating, "Erv" in mining and myself in metallurgy, we became widely separated. He became a coal mining consultant and travelled extensively in many countries while I remained in the East and Midwest in steel and basic metal industries. Now, since retirement, we are trying to make up for it. The 50th Commencement was a most welcome venture for us both.

Rolla had rolled out the red carpet for commencement and certainly for the 50 Year Alums. We met many of the out-of-towners at the Holiday Inn where

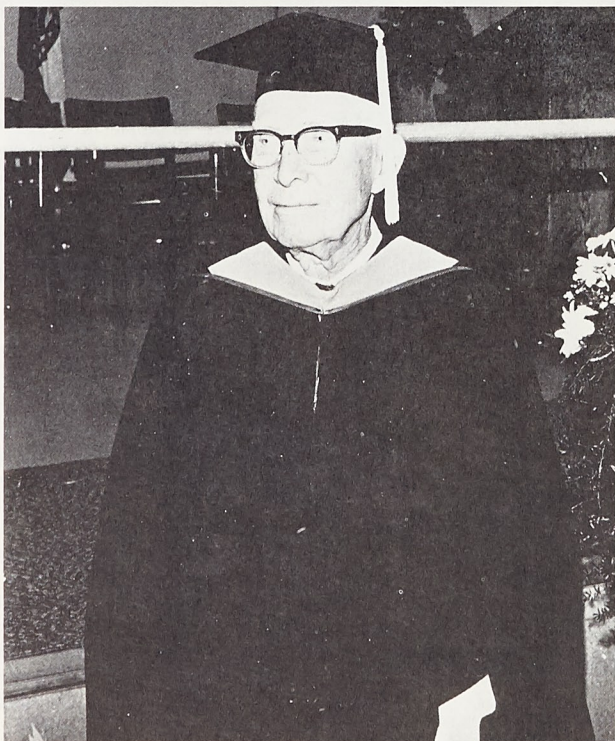
we had excellent accommodations and a friendly welcome — complete with badges, brochures, and even a Rolla map. We were then escorted by Dr. Virgil Flanigan, Associate Professor of Mechanical Engineering, to the lovely home of Frank and Nancy Mackaman some three miles south of Rolla. Here we met the remaining 50 Year Alums and their wives and guests, including Dr. Bisplinghoff and Mrs. Ike (Marge) Edwards. Soon memories, jogged a bit by spirits fermentation, were revived — it was quite an experience to meet with close associates of 50 years ago after not having seen most of them for all that time! It was nice to get reacquainted and meet their wives. And it was a very gratifying feeling that all were most successful. MSM was certainly the good beginning. Out of the total class of 68 records show only 28 were known to be living. Sixteen sent in regrets while the nine here today found it possible to return. We were all very moved by the memories of those that were no longer with us.



*Joseph M. Wilson '26,  
Sun City, Arizona.*



*Harold S. Thomas '26,  
Tucson, Arizona.*



*Harold S. Thomas '26.*



*James D. Crawford '26,  
Medina, Washington.*

We then had a lovely brunch, finally breaking up to return to the motel and then some of us took a brief campus tour feeling very proud of the 50 years of progress. The campus showed excellent planning with good architectural blending along with pleasant landscaping.

That evening at the University Center after a nice social hour with many honored guests receiving professional and other special recognition and faculty members, we were guests at the banquet. Some alums of the past 50 years were also there as honored guests. Alumni President Brackbill presided and gave an excellent talk on the many problems of the day. And then Frank Mackaman demonstrated how well he could do his homework. He proceeded to review the highlights of the activities of the 50 year grads during their school years, illustrated on slides from various sources, often with 50 year portraits. Then, with a portable mike, he gave each grad an opportunity to explain or even lie about the accusations. Even Jim Crawford's early "streaking" was revealed — Jim's pants were forcefully removed when he wore the forbidden khaki. Jim stood up and demonstrated he now had his pants back!

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**MAY (Cont.)**

As is the case when one is deeply moved, it is difficult to speak. Many of us had little to say — but could have said much — later! Even Dan Kennedy asked for “seconds” on the mike and introduced his family — there are now four generations. But there was no doubt that MSM played a big part in our lives and that we would always have a soft spot in our hearts for this institution and the dedication of its faculty. Unfortunately only three faculty members of our vintage were there, but we were most pleased to see Emeritus Professors “Doc” Schrenk, Bill Jensen, and Rael Lovett. A most memorable day and evening.

Sunday came, again in a sun filled manner. After an eye-opener at the Chancellor’s Residence we had a sumptuous brunch at the University Center. We then strolled about the campus listening to various musical ensembles playing in a number of selected spots and offering many types of light music. These groups were made up of musicians from many different areas and not necessarily connected with the school. It was very enjoyable and certainly a nice innovation. Then, on to the Commencement exercises where we were capped, gowned, and hooded.

We cheated a little by getting in the processional after it had proceeded from the athletic field and then only had to walk to the *front row*. Some 5,000 people were in attendance including some 650 degree recipients.

The speakers’ platform was beautifully decorated in a centennial motif. Dr. Dixy Lee Ray, former chairman of the Atomic Energy Commission, and extremely qualified, gave the principal address on the problems and challenges in the energy field. I am sure the new grads were as inspired as we were. During her well presented dissertation we couldn’t help but feel the impact of what had been accomplished in the 50 years since our graduation. Surely if any one of us had said there would be such things as radio, tv, computers, micro-circuits, and men on the moon being viewed on earth *and* hearing them speak, we surely would have been considered drunk and disorderly.



*Daniel Kennedy '26 with Mrs. Kennedy and daughter, Mrs. James Chaffin and granddaughter Mrs. Rodger Elliott. All the women are married to miners.*



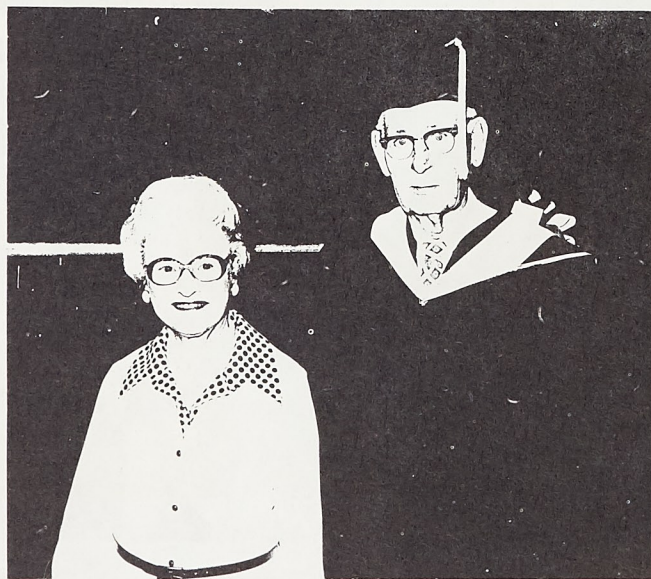
*Guy Staples '26,  
Eufaula, Oklahoma.*



*Elmer Gammeter '26,  
Beaver, Pennsylvania.*



*Mr. & Mrs. Joseph Wilson.*



*Mr. & Mrs. Erwin Gammeter.*



*Erwin Gammeter '26,  
River Forest, Illinois.*

**MAY (Cont.)**



*KA Brothers Cab Smith and Jim Crawford with Mrs. Crawford.*



*Daniel Kennedy '26, Rolla, Missouri.*



*Professor Emeritus Leon Hershkowitz '41, (Leon started with this class.)*



*Mr. and Mrs. Harry Birchard.*



## MAY (Cont.)

Announcements of honors by Chancellor Bisplinghoff and conferring of academic degrees by Dr. Unklesbay, vice president of the University, followed with much applause. All recipients had to climb the stairs of the platform. Following this the nine 50 Year Grads seated in the front row were introduced and while standing were presented with our gold pins by Alumni Association President-Elect Richard Bauer. There was some murmuring about this with remarks, "don't they think we can climb those stairs?" One of the wives seated nearby heard someone say, "they must be all of 70!" Of course more generous comments were that we were the youngest looking group ever to reach this goal!

The conferring of professional degrees and the honorary doctorate to Dr. Ray followed. Comments from members of the Board of Curators, a welcome to the MSM-UMR Alumni Association to the new graduates by President-elect Bauer, and the Recessional concluded a most impressive Commencement.

On behalf of the Class of 1926, I want to thank Chancellor Bisplinghoff, Frank Mackaman, and the many others who had a part in making our 50th Anniversary Commencement such a memorable affair. It gave us a chance to review many pleasant things, but above all, the opportunity to reassess what MSM meant to us. Some of us had been coming back for Homecoming quite frequently and some hadn't been back for 50 years. I urge all alumni to come back as often as possible and share in this great feeling — "this is my alma mater, I'm proud of its progress, its traditions, accomplishments, and its dedicated faculty and personnel." I appreciate the opportunity to express these thoughts.

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### Editors Note:

*This story was written by Elmer Gammeter, Editor-in-Chief, 1926 ROLLAMO. Elmer and Carolyn have their reservations for HOMECOMING, OCTOBER 22-23, 1976. Do you?*



*Drs. Unklesbay, Ray and Bisplinghoff.*



*Harry Birchard '26,  
Bradenton, Florida.*

MAY (Cont.)



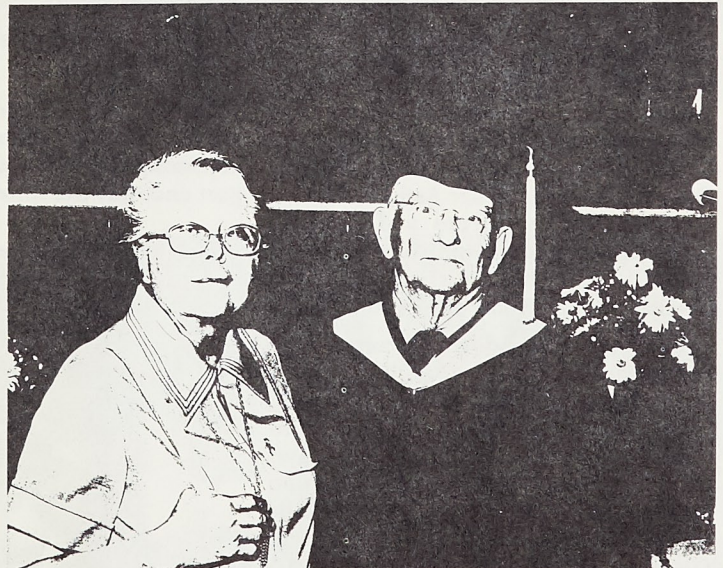
*Mr. and Mrs. Elmer Gammeter.*



*C. Cabanne Smith '26,  
Houston, Texas.*



*R. Marshall Brackbill '42 President,  
Alumni Association.*



*Mr. & Mrs. Guy Staples.*

# Dixy Lee Ray



Dr. Dixy Lee Ray delivered the address at the University of Missouri-Rolla 103rd Annual Commencement Sunday, May 9.

Dr. Ray, who was awarded an honorary Doctor of Science degree during the ceremonies, spoke on "Alternate Energy Sources." She is the former chairman of the Atomic Energy Commission and former Assistant Secretary of State for Oceans and International Environment and Scientific Affairs. She is currently a candidate for governor of the State of Washington.

Dr. Ray, in her address at commencement, saw the short range necessity of utilizing coal and nuclear energy. Recognizing that environmental considerations are important, she says, "We've got to have a lot more common sense and a lot less crusading. Don't be emotional. Unless we rely on coal and nuclear energy, we face a bleak future."

Also, Dr. Ray rejects the "stand still" posture. She points out that we are still a growing community. She would advise research into all energy sources and veto any concentration on a single method.

The human mind is the only unlimited resource, and she is optimistic that today's graduates will be able to "engineer" the "great ideas" which will solve the energy shortages of the present.

Dr. Ray was named chairman of the Atomic Energy Commission in 1973, becoming the first woman to hold that post and only the third to head a federal

regulatory agency. When the AEC was disbanded in 1975, she moved to the Department of State as an Assistant Secretary. Before her appointment as a member of AEC in 1972, Dr. Ray's lifelong specialty was marine invertebrates.

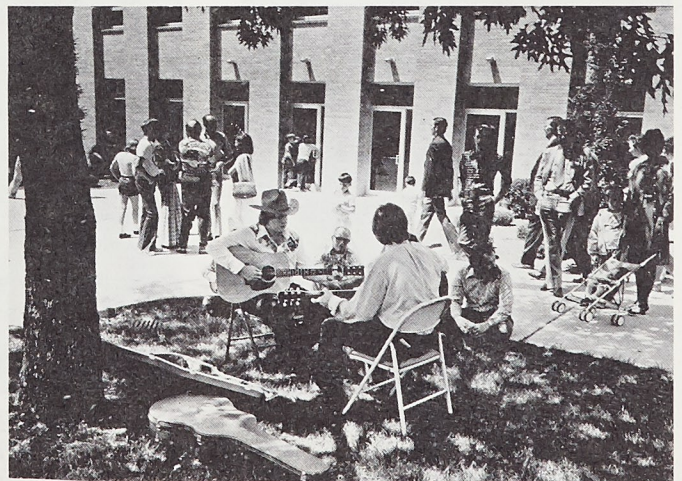
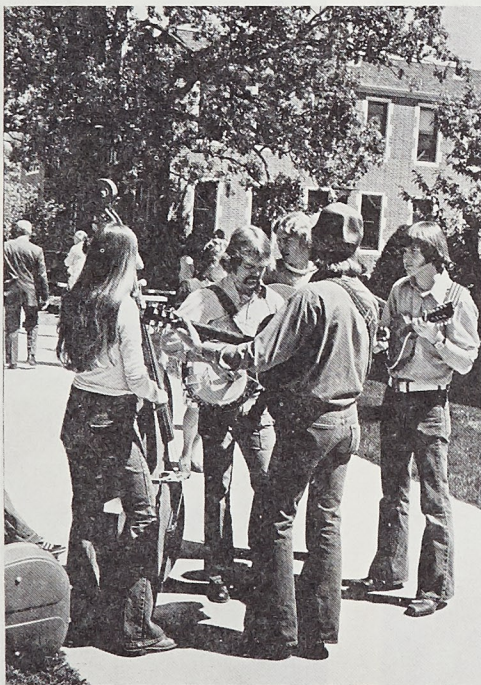
Born in Tacoma, Wash., Dixy Lee Ray received her bachelor's degree in 1937 and master's degree in 1938 from Mills College in Oakland, Calif. She taught in the Oakland Public Schools for four years and in 1945 received her Ph.D. degree from Stanford University, where she was a John Switzer Fellow and a Van Sicklen Fellow.

Shortly thereafter she began a long association with the University of Washington, Seattle, where she was an associate professor of zoology and director of the Pacific Science Center. During this period Dr. Ray also acted as special consultant in biology and oceanography to the National Science Foundation, chief scientist and visiting professor on the Stanford Research Vessel TE VEGA on the 1964 International Indian Ocean Expedition and she was a member of the Presidential Task Force on Oceanography in 1969.

Winner of the William Clapp Award in marine biology in 1959, Dr. Ray is also the recipient of Seattle's Maritime Award (1966) and the Frances K. Hutchinson Medal in Conservation (1973). She now holds honorary degrees from St. Martin's College, Hood College, Seattle University, and the University of Missouri - Rolla.



**FESTIVAL**

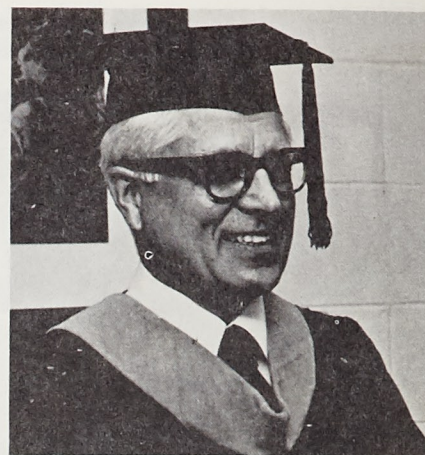


# Professional Degrees Granted

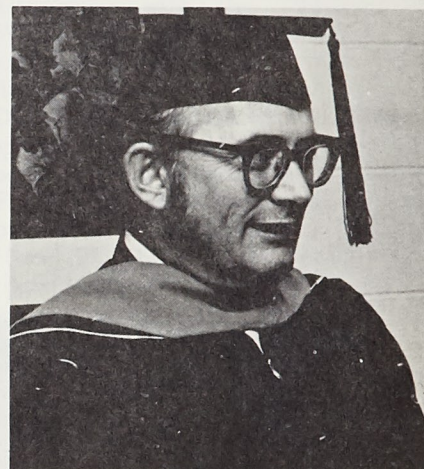
The University of Missouri - Rolla awarded 14 professional degrees during the 103rd Annual Commencement at the UMR Multi-Purpose Building on May 9. Recipients of the professional degrees were: Robert L. Banks (BSChE '44), research associate in catalysis for Phillips Petroleum Co., Bartlesville, OK, chemical engineer; Harold F. Brady (BSEE '61), vice president and technical director for the American Communications Corp., Annandale, VA, electrical engineer; G. Robert Couch (BSChE '41), president of the AMAX Speciality Metals Corp., a division of AMAX, Inc., Stamford, CT, metallurgical engineer; John O. Englund (BSMet '53), general superintendent — beneficiary at Kaiser Steel's Eagle Mountain Mine complex in California, metallurgical engineer; Donald H. Falkingham (BSMin(Pet.) '41), general manager of production for AMOCO International Oil Co., Kenilworth, IL, petroleum engineer; Edward K. (Ted) MacFarlane (BSCer '58), manager of the Philadelphia plant of A. P. Green Refractories Co. (subsidiary of U.S. Gypsum Co.), Blue

Bell, PA, ceramic engineer; Belding H. McCurdy (BSEE '38) president of the Insurance Center, Inc., St. Petersburg Beach, FL, management engineer.

Jaime Ramirez (BSCer '51), area manager — South America, Harbison-Walker Refractories, division of Dresser Industries, Inc., Rio de Janeiro, Brazil, ceramic engineer; Edgar A. Rassinier (BSMin '42), director of research planning for Trunkline Gas Co., Houston, TX, geological engineer; Richard A. Rousos, manager of advanced methods and technology, Ford Motor Co., Dearborn, MI, mechanical engineer; William A. Rutledge (BSEE '46), group vice president for Emerson Electric Co., St. Louis, electrical engineer; Irvin C. Spotte (BSMet '38), president of The Pittston Company Coal Group, Lebanon, VA, engineer of mines; Joseph E. Vollmar, Jr., president of Vollmar Brothers Construction Co., St. Louis, civil engineer; Warren R. Wieland (BSCE '50), executive vice president of Campbell & Wieland, Inc., consulting engineers, St. Louis, civil engineer.



*G. Robert Couch '41  
Metallurgical Engineer  
Stamford, Connecticut*



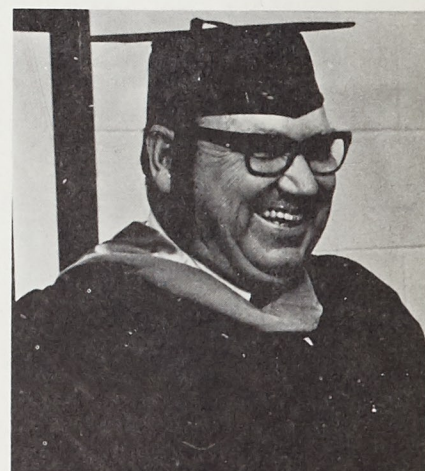
*John O. Englund '53  
Metallurgical Engineer  
Eagle Mountain, California*



*Robert L. Banks '44  
Chemical Engineer  
Bartlesville, Oklahoma*

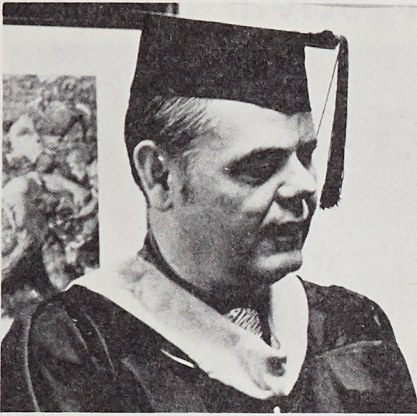


*Harold F. Brady '61  
Electrical Engineer  
Annandale, Virginia*

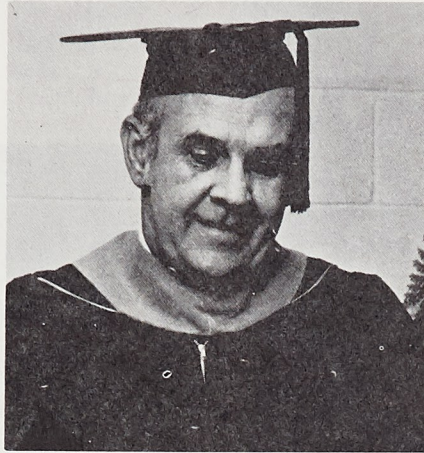


*Donald H. Falkingham '41  
Petroleum Engineer  
Kenilworth, Illinois*

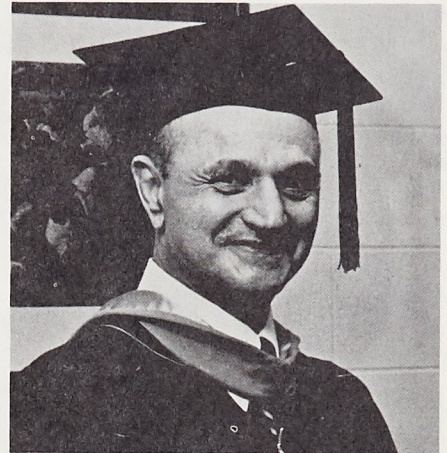
**PROFESSIONAL DEGREES**



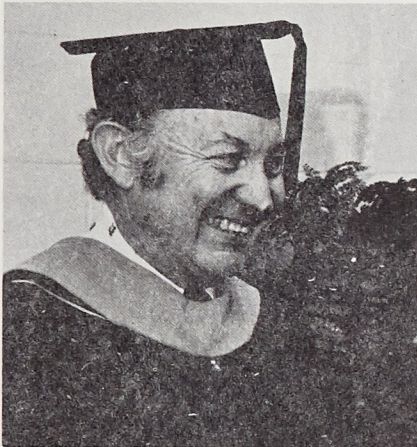
*E. K. (Ted) MacFarlane '58  
Ceramic Engineer  
Blue Bell, Pennsylvania*



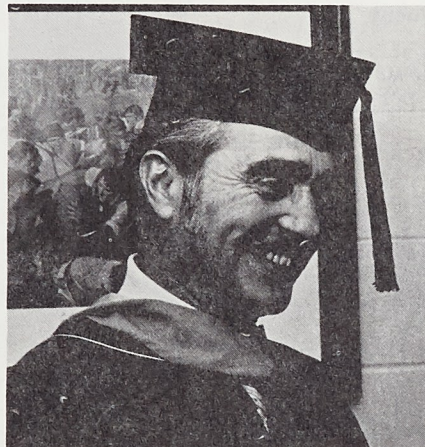
*Edgar A. Rassinier '42  
Geological Engineer  
Houston, Texas*



*Irvin C. Spotte '38  
Engineer of Mines  
Lebanon, Virginia*



*Belding McCurdy '38  
Management Engineer  
St. Petersburg Beach, Florida*



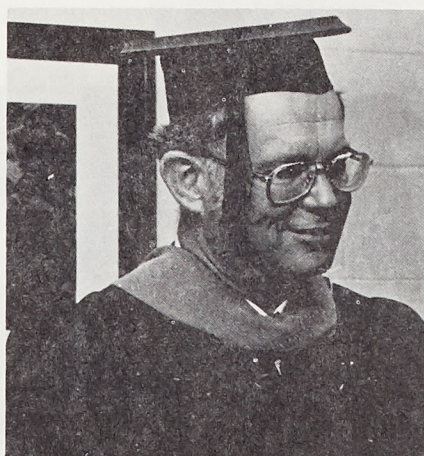
*Richard A. Rousos  
Mechanical Engineer  
Dearborn, Michigan*



*Joseph E. Vollmar, Jr.  
Civil Engineer  
St. Louis, Missouri*



*Jaime Ramirez '51  
Ceramic Engineer  
Rio de Janeiro, Brazil*



*William A. Rutledge '46  
Electrical Engineer  
St. Louis, Missouri*



*Warren R. Wieland '50  
Civil Engineer  
St. Louis, Missouri*



A "Festival of Sound" took place on campus Sunday, May 9, from 10 a.m. to 1 p.m. preceding commencement exercises.

A number of musical and dance groups and individual musicians performed at various locations for the entertainment of students, their parents and guests, alumni, faculty and staff and the public in general. Groups ranged from guitars, fiddles, banjos, country-western, bluegrass, jazz, brass and strings. Folk, sword and square dancing groups were scheduled as well as bagpipe and drum and bugle corps marching groups.

It was a beautiful day in Rolla, it couldn't have been better. This event, coordinated, directed, organized and conceived by W. Nicholas Knight, chairman of UMR's humanities department added much to the enjoyment of the thousands who attended the Commencement ceremonies.



## Festival



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## President Resigns



*C. Brice Rathford.*

The University of Missouri Board of Curators on May 21 accepted the resignation of Dr. C. Brice Rathford as president. An interim president will be named later.

Vice President for Administration A. G. Unklesbay will serve as chief executive officer until an interim president is named.

Rathford told the curators, meeting in Columbia, that he and Mrs. Rathford had talked about his stepping aside more than a year ago, when the University's academic plan for the decade had been scheduled for completion. The final part of the plan was approved by the curators last month.

In a statement, the Board of Curators commended Rathford for "planning and diligence in the implementation of the one University concept."

The statement reviews facets of the University's "institutional reappraisal" process which began in the fall of 1971.

"Charting a new direction and steering that course have meant heavy responsibilities on the presidency," said the statement. The curators noted the complications of combined inflation and recession and new federal and state government requirements.

Considering the assignment, circumstances and conditions, said the Board statement, "Dr. Rathford may take justifiable pride in what has been accomplished.

Rathford said he had concluded "that now is the time for me to step aside so that the University can consolidate its gains and assess its future course. This obviously can be done best by a new leader, unmarked by previous struggles."

He said, "I want to be very clear that this is not a decision I make because of any event or events of recent days."

Rathford said his physician told him "it would be dangerous and foolish" to continue "in the exhausting regime of of the presidency." He said this "weighed heavily" in his decision to resign.

Rathford was named interim president of the University in October 1970, when John C. Weaver left to become president of the University of Wisconsin. At that time Rathford was UM vice president for Extension. In June of 1971 he was elected president.

Contacted in St. Louis where he was attending a meeting, UMR Chancellor Dr. Raymond Bisplinghoff said, "I learned of P r e s i d e n t Rathford's

resignation with sadness and regret. He was an effective and considerate leader of the university as well as a warm friend and supporter of UMR."

The Board of Curators granted him a sabbatical year to "refresh his knowledge in his academic specialty, agricultural economics, after which he intends to rejoin his department" at the University's C o l u m b i a campus. Rathford said he had been invited to serve as a professor at another land-grant institution for the coming year.

He declined to identify the institution, since it has not yet made the announcement.

Dr. Rathford was awarded Honorary Life Membership in the MSM-UMR Alumni Association at Homecoming 1975 in recognition of his support of the Association and UMR.

The Board of Curators indicated that a search committee of alumni, faculty and student members would be named to recommend candidates for a permanent University president.





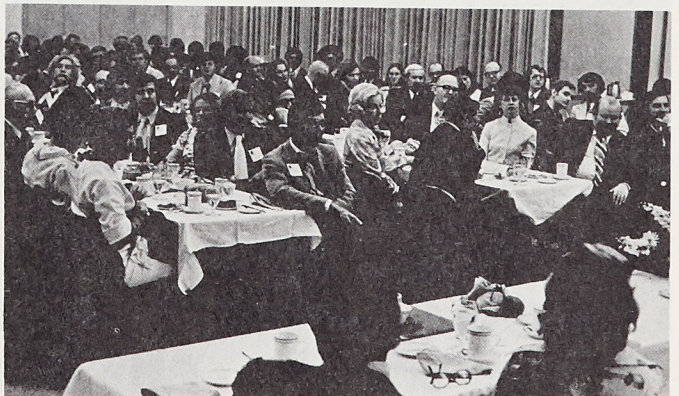
# Alumni-Student-Faculty Conference

The annual Alumni-Student-Faculty conference was held on Friday, April 9, 1976. The Alumni Association hosted a Thursday night banquet with Chancellor Bisplinghoff as the speaker. Bob Brackbill, President of the Association, presented the Alumni Scholars and Educational Assistants with certificates of recognition. All events had an increase in attendance from the previous year, and the consensus was that this event should be continued with added emphasis.

The conference, designed to bring together alumni, students and faculty, attracted 160 participants. The committee that arranges the conference is chaired by Ted Planje with Paul Munger, Glen Haddock and Frank Mackaman as members. The program and invitations to participants are handled on a departmental basis.



SCENES FROM THE ALUMNI-STUDENT-FACULTY CONFERENCE.



MSM Alumnus

ALUMNI-STUDENT-FACULTY CONFERENCE (Cont.)



**1977**  
**ALUMNI-**  
**STUDENT-**  
**FACULTY**  
**CONFERENCE**  
**APRIL 14-15**  
**1977**

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MSM

## Director of Library Appointed

The appointment of Ronald G. Bohley as director of library and librarian IV at the University of Missouri-Rolla was announced by Dr. Raymond L. Bisplinghoff, chancellor. The appointment is effective July 1.

A native of Indiana, Bohley received a B.A. degree in social studies and English education from Purdue University in 1964 and a master's degree in library science from Indiana University in 1967.

He served as a library intern for the Purdue University Libraries from 1964 to 1967 when he was appointed to his present position of head librarian at the Purdue University North Central Campus, Westville, Ind. He has since received a promotion to associate professor in that position.

In addition to his internship, Bohley held a part-time position, 1965-67, at the St. Elizabeth School of Nursing in Lafayette, Ind. His duties included complete operation of their library. He also held temporary positions with the Michigan City Public Library twice September, 1967, to February, 1968, as interim director and October, 1971, to June, 1972, as acting director.



R. G. Bohley

At Purdue he also served as chairman of the Campus Resources Committee, was a member of the Committee for Constitution and By-Laws and served as Equal Employment Officer for the campus. He is a member of the Indiana Library Association, the American Library Association and its sub-groups Association for Colleges and Research Libraries, Reader's Services Division and Social Responsibilities Round Table.

Bohley is married and he and his wife, Barbara, have two children. Karen Ann is 9 and David Alan is 8.

MSM Alumnus

## Chemistry Chairman Named

Dr. Stig Friberg will join the UMR faculty in August as professor of chemistry and chairman of the department. Dr. Friberg comes to UMR from the Swedish Institute for Surface Chemistry where he is director.

Dr. Friberg earned the Candidate in Philosophy in 1958, the Master in Philosophy in 1960, the Licentiate in Philosophy in 1964, and the Doctor of Philosophy in 1967, all from the University of Stockholm. He and his wife Birgitta are parents of a daughter, Katarina.

Dr. Friberg was a teaching assistant at the University of Stockholm from 1957 through 1962 and a research scientist and head of the research section of the Research Institute of National Defense, Stockholm, from 1962 through 1969. While on leave he served as head of the Laboratory for Surface Chemistry in Stockholm and had an appointment as professor (part-time) at the Chemical Center, University of Lund, Sweden. He was elected a member of the Royal Academy of Engineering Sciences in 1974.

He is a member of the board of the Swedish Corrosion Institute, the Swedish Cellulose Association and the Swedish Chemists Society, Stockholm Region, and chairman of the Swedish Commission for Surface Active Substances. He is active in several international organizations and has published more than 25 papers relating to his research.

The University of Missouri Board of Curators has accepted a \$90,000 transfer of funds from the governing board of the Swedish Institute for Surface Chemistry. The funds are to be used for research under the direction of Dr. Stig Friberg, in the general area of micro-emulsions. The funds will pay salaries of research workers, purchase research equipment and supplies and cover other research costs including travel.

## ROTC Update

The University was notified by Department of the Army on March 15, 1976 that the Army ROTC Program on this campus would be continued in evaluation status for a second year

## ROTC UPDATE (Cont.)

during academic year 1976-77. Army ROTC Programs at 52 other universities will be in the same status. Continued evaluation was evidently the best Army decision that could have been hoped for, given the Fall 1975 enrollment figures: MS I - 46, MS II - 15, MS III - 9, MS IV - 10, TOTAL 80.

During recent visits to the campus, Army representatives have emphasized the importance of achieving an enrollment level of 20 MS III cadets in Fall 1976 as a requirement for continuation of the University's Army ROTC Program beyond academic year 1976-77. Therefore, the strongest Army ROTC recruiting efforts are being directed toward UMR sophomores eligible for attendance at the Army ROTC Basic Camp at Fort Know this summer (leading to acceptance into the ROTC Advanced Course as juniors), and toward veterans and former junior ROTC cadets who are eligible for the ROTC Advanced Course on the basis of their previous military training. As a result of a recent change of Army policy, veterans and former junior ROTC cadets now can be enrolled immediately as MS III cadets in their freshman or sophomore years, instead of waiting until their junior year, as had been required previously. This change should assist greatly the Army ROTC recruiting efforts underway.

The superb quality of the University's Army ROTC cadets was highlighted at the Annual Spring ROTC Awards Ceremony held in the Rolla National Guard Armory on April 22nd. On that occasion Cadet Alan D. Davison was presented the Scholastic Key of the American Logistics Association, which is awarded to the top ten MS IV cadets in the entire nation for academic and military standing in the top 25%, and for outstanding leadership and traits of character. In addition, MS IV Cadet Brian J. Swenty and MS III Cadet Edmund A. Kobylinski were presented the medal pendant and key replica of the Society of American Military Engineers, which are awarded to the top twenty MS IV and MS III cadets in the entire nation for academic and military standing in the top 25%, and for being considered the "Outstanding Engineering Student" of their groups. UMR was one of only seven universities nationwide to have SAME award winners in both the MS IV and MS III classes.

## Like Father . . .



Like many old sayings, "Like father, like son," is in for some updating. It may just as well be "Like father, like daughter."

That is the case for Lorrie Werner, coed at the University of Missouri-Rolla, and her father, E. J. Werner of 9705 E. 79th Place, Raytown. Lorrie has just finished her freshman year in civil engineering and her father is a 1949 civil engineering graduate of UMR.

Things have changed since Werner was in school at Rolla. "There were very few girls here then," he remembers, "and women in engineering were almost unheard of." Now there are 35 women in civil engineering alone, and 200 of the almost 600 women on campus are engineering majors.

So far as Lorrie was concerned, there wasn't any parental pressure for her to follow in her father's footsteps. "In fact," she says, "I think he was a little surprised when I decided to be an engineer."

For her the decision was a natural outgrowth of her interests and aptitude. "Math and science, along with art, have always been my best subjects," she explains. "I knew I wanted to get into a technological field." Art is her favorite hobby.

Werner is a member of the Board of Directors of the MSM-UMR Alumni Association. Lorrie accompanied her parents to UMR Homecoming Weekends and looked the campus over. She liked what she saw. "UMR was the only place I applied to," she says. "I didn't even consider going anywhere else."

During her freshman year she has been a member of the Women's Residence Hall Association and the Crescents of Lambda Chi Alpha. She has also worked part time in the Alumni Office "tracing lost alumni."

Being fellow "Miners" a generation removed isn't the first time father and daughter have teamed up. During Lorrie's senior year in Raytown South

High School, they were both presidents of pep groups — daughter headed the high school Pep Club and her father was president of the Booster Club.

Werner is president of E. J. Werner and Associates, Inc. a consulting engineering firm, with offices at 11015 East 39th St., Independence. Although Lorrie is the only one of the three Werner children to study engineering, all have worked in the firm, Lorrie during summer vacations. His son, Roger, is in the firm.

Will "Associates" someday include Lorrie Werner, civil engineer?

For the UMR sophomore, graduation seems too far down the road to predict. "I picked civil engineering because it's the field I know most about," she says. "But I'm not even sure yet what I'll specialize in or what I want to do after I graduate."

For now she's just glad to be a "Miner" at UMR — learning to be an engineer — like her dad.

TULSA



MSM Alumnus

TULSA (Cont.)



St. Louis Stag

The St. Louis area "Miners" held their eighth annual golf tournament and spring stag on Saturday, May 1, 1976. Fifty-six duffers teed off in brisk but beautiful weather at Crystal Lake Country Club in West St. Louis County, and youth won the day. The gruesome twosome of Tom Schneider, '75, and Dan Wenk, '75, took the low gross and low net trophies, respectively. Toby Hafeli, '65, took the second low net trophy. Handicaps were figured using "The Calloway System." Schneider's one-over-par 71 is a tournament record. Tom is taking Applications for caddies for next year's match.

After the "Barn Yard Billards" were finished, the sharp shooters and others enjoyed strike-flavored beer and barbecue steaks that were expertly cooked by the resident chef, Gary "Tonto" Schumacher. A special vote of thanks goes to "Tonto" and beautiful, understanding bride Janet for their western hospitality and the use of their beautiful home. The officers and members want to make special recognition to our well organized activity chairman, Bob Struckhoff, '71, for a job well done. With over 4,000 miners living in the St. Louis area, we are looking forward to an even better time next year.

**MINERS PLAY WASH. U. NOVEMBER 6, 1976, IN ST. LOUIS. WATCH FOR ST. LOUIS SECTION MEETING NOTICE. IT WILL BE A GREAT PARTY.**

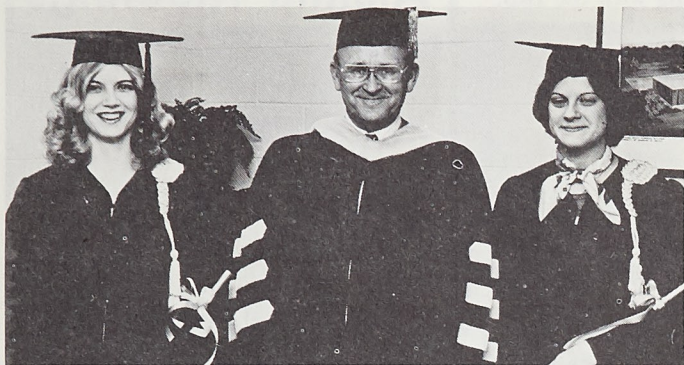


MSM - UMR ALUMNI GOLD COAST SECTION GROUP PHOTOGRAPH MARCH 6, 1976 MEETING



Front Row, left to right: Keith Troutman, LeRoy Thompson, Rene Leonard, Royal Webster, Paul Munger, Harry Bossert, and Larry Scott.  
Second Row, left to right: John Riege, Jimmy Hahs, Jerry Burford, Richard Halder, Paul Singer, Dalton Welsh, Nick Barre, and Brent Gregory.

Marshals are graduating seniors selected by their deans on the basis of their scholarship, leadership and activities.



Leading the College of Arts and Sciences commencement procession as student marshals were Monica Tate, left, Rolla, and Paula Marcellus, right, St. James. With them is Dr. Adrian H. Daane, dean of the college.



Leading the School of Mines and Metallurgy commencement procession as a student marshal was Susan Marie Braaf, right, Kirkwood. With her is Dr. T. J. Planje, dean of the school.

*(Editor's Note: Due to technical difficulties, the other student marshal for the School of Mines and Metallurgy, Edward A. Hilligoss, mining engineering major from Kansas City, was bedimmed by a dark cloud and had to be trimmed from the picture.)*



Leading the School of Engineering commencement procession as student marshals were David A. Dillard, left, St. Marys, and Melvin F. Vasel, right, St. Louis. With them is Dr. J. Stuart Johnson, dean of the school.

MSM Alumnus



For students at the University of Missouri-Rolla, located right in the middle of cave country, spelunking is a natural and its Spelunkers Club is one of the state's most active caving groups. A spelunker is one who makes a hobby of exploring and studying caves. If the cave explorer happens to live in Missouri, he's living in something of a spelunker's paradise. Missouri has more than 3,300 catalogued caves, the most of any state, and there are at least 350 known caves near Rolla. Debbie White of Ekland and Keith Davis of Bunker, members of the Spelunkers Club at the University of Missouri - Rolla, record measurements in a cave mapping operation.

**ALUMNI  
ANNUAL FUND  
AS OF MAY 21  
1975  
\$59,406.11  
CENTURY CLUB  
199 MEMBERS  
1976  
\$65,322.20  
CENTURY CLUB  
251 MEMBERS**



# Alumni Board Semi-Annual Meeting

The semi annual meeting of the Officers and Board of Directors of the MSM-UMR Alumni Association was held on Saturday, April 10, 1976. Twenty-one members were in attendance.

The Board heard the report of the Awards Committee and all nominees were approved. Invitations will be issued, but the Awardees will remain secret until the Homecoming celebration on October 22-23. A considerable number of suggestions were received and the Committee has the largest file of potential awardees in history.

The Nominating Committee, chaired by Bill Flood, made a report which was accepted without dissenting vote. Ballots will be circulated at the proper time.

The Board authorized a call of a special meeting for the sole purpose of amending the Association articles and by-laws. The action is needed to perfect

the application pending with the IRS.

The most substantial change was in response to the report of the Student Financial Aid committee. Acting on the mandate of the Board at last October's meeting, the committee came in with a long-range plan for student aid. The Board acted to accept the report and approved it for immediate implementation. This will increase the present scholarship awards from \$500 to \$750, for the 15 presently granted. Ten scholarships in the amount of \$500 were authorized to be granted as "early commitment" awards to high school seniors and one scholarship of \$1000 renewable for four years was approved. The Alumni Annual Fund will be required to finance this expanded program.

Various other matters came before the Board and were acted upon and complete copies of the minutes are available on request.

<b>HOMECOMING</b> <b>1976</b> <b>OCTOBER 22-23</b> <b>REUNIONS</b> <b>1926 AND BEFORE</b> <b>1931, 1936, 1941,</b> <b>1946, 1951, 1956,</b> <b>1961, 1966 &amp; 1971</b>	<b>PLAN TO ATTEND</b>  <b>HOMECOMING?</b> <b>YOU SHOULD MAKE</b>  <b>RESERVATIONS</b>  <b>EARLY</b>
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All Rolla Numbers are Area Code 314. Please make your reservation directly with the hotel-motel of your choice. Almost all Homecoming events will be held on campus, almost all accommodations will require a ride to the campus. Please plan accordingly.

Coachlight "Best Western" Inn, Martin Springs Dr.....	341-2511
Edwin Long Hotel, 8th & Pine.....	364-1862
** Holiday Inn, Martin Springs Dr.....	364-5200
Howard Johnson's Motor Lodge, I-44 & Bus. I-44 W.....	364-7111
Interstate Motel, Martin Springs Dr.....	341-2158
Little Piney Motor Lodge, Hwy. 63 North.....	364-2161
Manor Inn, Hwy. I-44 & 63.....	364-1575
New Grande Motel, 1201 Hwy. 63 North.....	364-1335
Nod-a-Way Motel, Hwy. 63 North.....	364-7445
Norman Dee Inn Motel, Bus. I-44 West.....	364-4156
Rolla Rancho Motel, Martin Springs Dr.....	364-4509
Rustic Motel, Hwy. 63 South.....	364-6943
Sixty Three Motel, Northwye.....	364-1827
Wayfarer Inn, Martin Springs Dr.....	364-5454
Zeno's Motel, Martin Springs Dr.....	364-1301

\*\* Headquarters for the Class of 1951 Reunion and class members will be given preference.

## Alumni Meetings

**ARK-LA-TEX**  
**AUGUST 7 - NOVEMBER 6**  
 Locations to be Announced

**NORTHWEST SECTION PICNIC**  
 Vic and Rosey Hoffmann's  
**SEPTEMBER 11**

**A I M E**  
 Niagara Falls  
**SEPTEMBER 20-23**

**SOCIETY OF PETROLEUM ENGINEERS**  
 New Orleans  
**OCTOBER 3-6**

**ST. LOUIS ROLLA NIGHT**  
**OCTOBER 7**

**HOMECOMING**  
 Rolla  
**OCTOBER 22-23**

**ANNUAL BOARD MEETING**  
**OCTOBER 23**

**ASSOCIATION ANNUAL MEETING**  
**OCTOBER 23**

**SOCIETY OF METALS**  
 Cleveland  
**OCTOBER 26**

**A I M E**  
 Atlanta  
**MARCH 6-10**

**ALUMNI-STUDENT-FACULTY CONFERENCE**  
**APRIL 14-15**

**SEMI-ANNUAL BOARD MEETING**  
**APRIL 16**

**COMMENCEMENT**  
**MAY 15**

**BARTLESVILLE OKLAHOMA SECTION**  
 Lunch at the "Y" Every Third  
 Friday of Each Month

Houston Meeting . . .

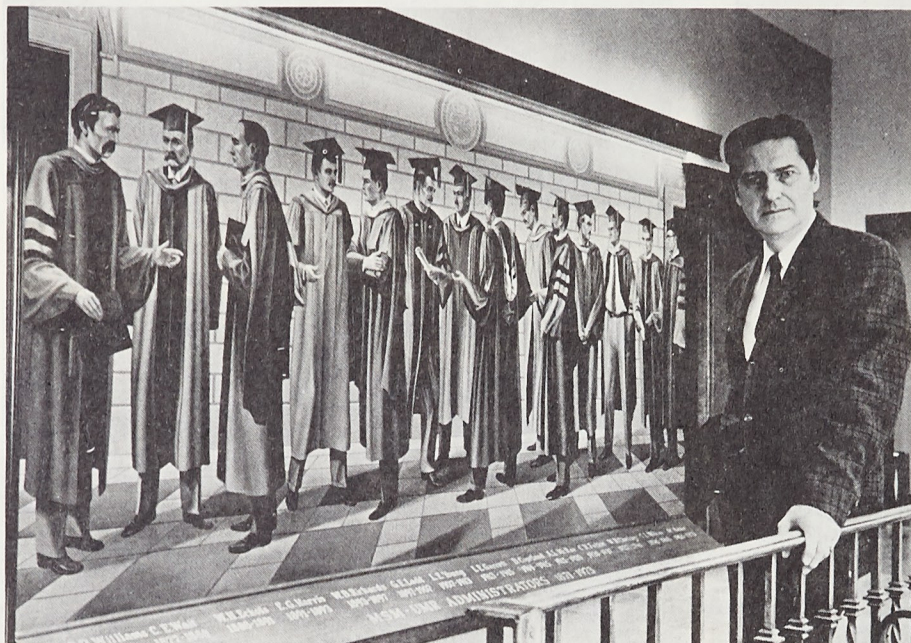


MSM Alumnus

# Koenig Mural Honors MSM-UMR Leaders . . .

The next time you're on campus, visit the second floor of Parker Hall. You'll see an 8-by-15-foot mural, the work of John Koenig, UMR technical editor who is also lecturer in art in the humanities department. The mural is of the administrators of the Rolla campus from 1871 to 1973.

UMR provided the material and necessary carpentry work and Koenig provided the artistry and labor. "I have always had the idea that a person who has a talent should be willing to share that talent," he says. "UMR has been good to me — and this was something I could do in return."



Artist John Koenig poses with an elite procession, the 14 administrators who have headed the Rolla campus of the University of Missouri. The 8-by-15 foot mural by Koenig is on the second floor of Parker Hall, administration building on the UMR campus.

It took Koenig two years of vacation time, weekends and after-hours work to plan and execute the mural. The idea was suggested to him years ago by the late Noel Hubbard, long-time UMR registrar. "Where" was suggested by Graduate Dean Robert McFarland who thought there should be something on that "long blank wall." "It all jelled one day while I was drinking a cup of coffee in the union," says Koenig. "Within five minutes I had the preliminary sketch made."

There followed hours of research for information and pictures of the former MSM-UMR heads. "Most of the old pictures were full-face studio portraits, and I had to imagine what they looked like in different poses. I threw away lots and lots of charcoal sketches," Koenig adds. He made a three foot painting to scale before he started the final mural.

The mural is the largest of Koenig's works. They are hung as far away as the University of Syracuse in New York and the Los Angeles County Museum in California. He recently completed a portrait of the late V. H. McNutt for the UMR geology department.

Although art is the most visible of Koenig's activities, he actually has two other careers, as a geologist and a technical editor. Koenig says there is no contradiction in them. "They are mutually supportive — and one has led to the other."

Jack came to UMR in 1967 as assistant research coordinator and technical editor. In this position he edits proposals submitted to federal and other agencies for research funds. He also edits papers submitted to professional journals by faculty members.

It's an absorbing job and Koenig

enjoys it. He is much involved in efforts to standardize style requirements of technical journals. He has been chairman and vice chairman of the Association of Earth Science Editors, a national group.

Although he has pretty well given up geology as a career ("there are only so many hours in a day") art is still very much a part of his professional life. For the past three years he has taught art at UMR. He teaches one course each semester, beginning drawing in the fall and advanced drawing in the spring. Classes are limited to 15.

Most of Koenig's outside activities center around art. He was one of the founders of the Visual Arts Division of the Rolla Fine Arts Association and is a perennial prize winner in their competitions. He is also on the board of the Rolla Friends of Art, a group which provides art for the Rolla Public Schools.

Koenig's wife, Paula, whom he met at the University of Kansas, is a musician and former piano teacher. Their son, Karl, a freshman at UMR, will enter Kansas State University this summer to major in architecture.

Whether he's wielding his pencil as an editor, an artist or a teacher, this versatile member of UMR's staff lives by the philosophy that talent is God-given and is meant to be used and shared.

## Schuman Pond



Yes, it is a concrete canoe and yes, it floats. Civil engineering students at the University of Missouri - Rolla test this year's entry in two races held for these unusual crafts . . . the All Missouri Regatta and the Big Eight Concrete Canoe Race.

## ROTC First

When Army Lt. Theresa Laverenz was commissioned recently at the University of Missouri - Rolla, it marked not only the beginning of her military career. Lt. Laverenz is the first woman officer commissioned from the UMR Reserve Officer Training Corps. She is also one of the first in the country.

Lt. Laverenz, an Army wife, was awarded her bachelor's degree in psychology at May commencement exercises.

She is a young woman in a hurry, completing ROTC requirements in 2½ academic years and two summers.

The program for women was started at Rolla in the fall of 1973. It came just in time for the new lieutenant. Her husband, Roger, an Army captain, was transferred to Fort Leonard Wood, about 30 miles from Rolla.

"I had gone to Highland Community Junior College in Kansas while my husband was in Viet Nam," Mrs. Laverenz says. "I decided to finish at UMR. I wanted a commission in the ROTC and was able to make arrangements to compress the basic two years of ROTC into one semester and summer school. Then I took the advanced course at the regular pace." (Students may also enter the advanced ROTC program in their junior year by taking a special summer camp preceding that year.)

Lt. Laverenz found ROTC "fun and a challenge. It has given me a chance to do some things I never did before," she says. "I have been able to do things I never thought myself able to do. I never imagined I could rappel off a cliff or slide down a 100-foot cable. I found out I could do much more than I thought I was capable of."

Even summer camp, a nemesis for many would-be officers, was not so bad, she says. Along with other advanced ROTC cadets she spent six weeks last summer at Fort Riley, Kans. "It wasn't as bad as I thought it would be," she reflects. "It demands a lot of you. But I didn't have any problems, and most of the women there didn't either. If a woman can meet Army physical standards and has a positive attitude, she shouldn't have any problems."

Besides the positive attitude, Lt. Laverenz says that it helps that she likes



*The commissioning of Army Lt. Theresa Laverenz at the University of Missouri - Rolla was a family affair. Her husband, Capt. Roger Laverenz of Fort Benjamin Harrison, Ind., administered the oath of office. Daughter Lisa, 5, and son, Patrick 9, took over the traditional duties of pinning on her second lieutenant's bars. Lt. Laverenz is the first woman commissioned from the Reserve Officer Training Corps at UMR.*

the out-of-doors. "We do a lot of camping and hiking," she says. "I like all sports — any sports." Favorites are skiing and scuba diving.

During the past two and a half years while she has been working toward her degree and commission at UMR, she hasn't had much spare time for her favorite sports activities. The Laverenzes have two children, Patrick 9, and Lisa, 5. And as a student, she carried a full course every semester. Her extracurricular campus activities were ROTC-related. She is a member of Scabbard and Blade, military honor society, and Pershing Rifles, ROTC drill team.

Except for the time Capt. Laverenz spent overseas, the family has been able to be together most of the time. Now that they are a family with two Army officers, they expect that to continue.

"The army makes every effort to have husband and wife assigned to the same post," the lieutenant says. Capt. Laverenz, who is in the Adjutant General Corps, is now taking his career course at Fort Benjamin Harrison, Ind. After spending the summer there, the

new lieutenant will go to Ft. Lee, Va. for a 12-week basic course. Then the family expects to be back together again at a new assignment.

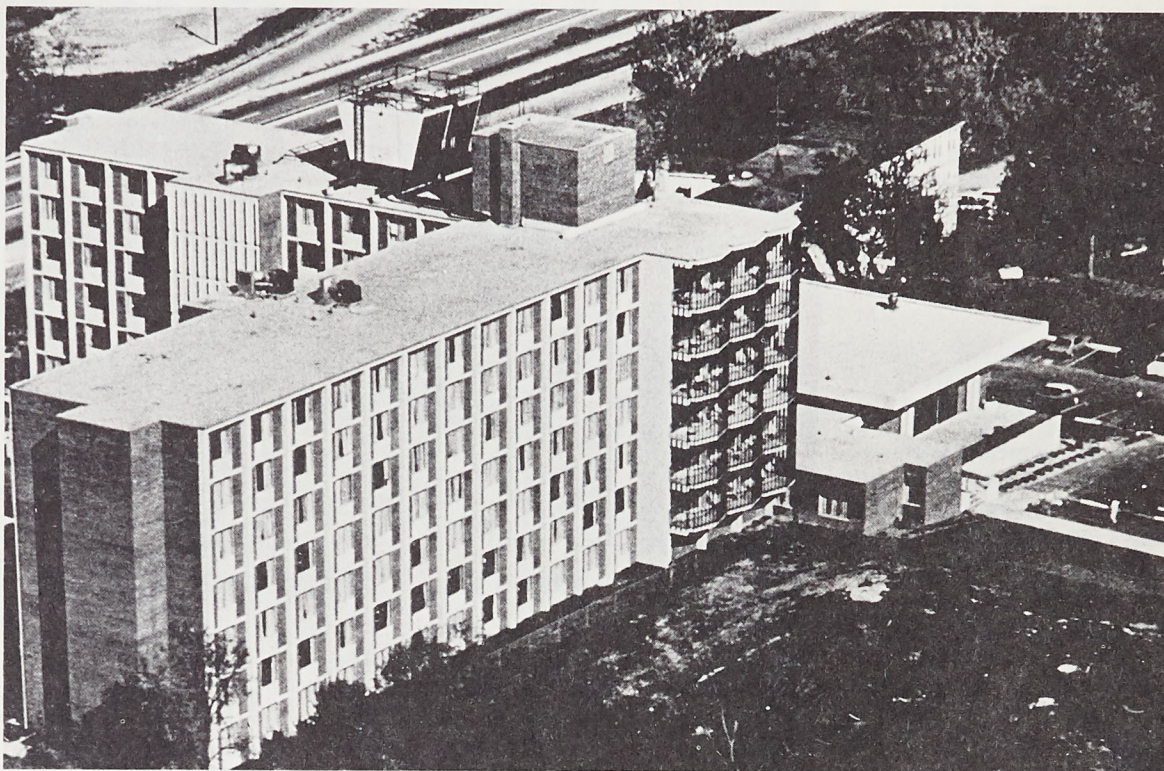
"Essentially our situation will be the same as that of any husband and wife who are both working, except that I think it will be easier since we will both be in the army," Lt. Laverenz says.

Would the newly commissioned officer encourage other women to take ROTC?

"Yes, she says, "if they are interested. The opportunities for women are exactly the same as for men — promotions, raises, travel and so forth — with a few exceptions. Women do not serve in the artillery, armor or infantry corps, the three basic combat branches."

Capt. Laverenz plans to make the army his career. As for Lt. Laverenz, her commitment to the army is for two years of active duty. Right now she's looking forward to that. After that, who knows? One of the first women officers commissioned from the ROTC may become the first woman general who started her Army career in the ROTC program.

# Thomas Jefferson Residence Hall Purchased . . .



Chancellor Raymond L. Bisplinghoff announced April 21 that an agreement had been reached between the University of Missouri - Rolla and the Connecticut Mutual Insurance Co. to purchase the Thomas Jefferson Residence Hall for \$1,130,000.

The dormitory is located two blocks north of the main campus at 18th and Rolla Streets. It was first opened as a private residence hall in September, 1966, but was closed to University students in 1973.

The purchase is being financed through a mortgage and unrestricted and redesignated private gifts to the UMR Development Fund.

"This is a major achievement for our campus," Chancellor Bisplinghoff stated, "and we owe a great debt of gratitude to all those who have worked so hard to assist in acquiring this facility. This is particularly true of those private donors who helped to make this purchase possible."

Dr. Bisplinghoff continued by stating that he feels this acquisition removes a major stumbling block to UMR's continuing growth. "Last fall we were severely handicapped by inadequate housing. We know some students did

not enroll at UMR as a result. If we had not obtained this dormitory we feel certain this fall's enrollment would have been severely curtailed."

Once all papers are signed and legal arrangements completed, UMR will begin work on renovation required before Thomas Jefferson can be opened for use next September. This renovation is expected to cost about \$250,000 and will be financed through an internal, short term loan involving other development funds. Both this and the original mortgage will be paid back out of income from the dormitory. No state appropriated money is involved.

Without Thomas Jefferson, UMR has dormitory space for 611 students. As of this date, the housing office reports that it already has more than 850 housing requests, 240 more than present space.

Last fall's housing shortage was so acute that space in private facilities off campus was leased temporarily to house about 300 students. Joseph D. Wollard, UMR business officer, reports, that "subject to availability this fall, these leased facilities will be considered only if there exists a need and all permanent space is filled."

Thomas Jefferson Residence Hall has double occupancy space for 524 students, plus space for six resident assistants and a housing manager. Its room and board charges will be slightly higher than for other UMR dormitories. Double occupancy rates in Thomas Jefferson will be \$1350 for the academic year, compared to \$1250 in the other UMR dormitories. Single room occupancy is \$1,530 in the new hall compared to \$1,430. Summer occupancy in Thomas Jefferson is \$370 for a single room and \$330 for a double room, compared to \$335 and \$295 in other Rolla dormitories.

The slightly higher fee for the new facility is to cover added extras such as air conditioning, free parking, elevators, swimming pool, lounges on each floor and the basement level which includes physical fitness and game rooms.

Thomas Jefferson will be operated by auxiliary enterprises. The design of the facility offers flexibility to consider assignment by clusters to accommodate men, women and special interest groups such as graduate and international students. The hall has centralized dining facilities.

## Panhellenic Project

The Phelps County City Panhellenic has made two contributions to the University of Missouri - Rolla.

A \$700 check establishes a \$2,500 endowment fund for the Phelps County City Panhellenic Scholarship to be given to members of the women's Greek social organizations. A \$90 check to the UMR Panhellenic Council will be used for a sorority rush booklet.

The funds were raised by the Phelps County City Panhellenic this winter in the dollhouse ticket sales.

Making the presentation of the checks to UMR Chancellor Raymond L. Bisplinghoff were Mrs. Robert B. Lewis and Mrs. James Hatchett. Mrs. Lewis and Mrs. Hatchett are respectively past president and secretary-treasurer of Panhellenic.

Panhellenic is an organization of women belonging to national social sororities.



University of Missouri-Rolla Chancellor Raymond L. Bisplinghoff accepts checks totaling \$790 for UMR from the Phelps County City Panhellenic. Making the presentation are Mrs. Robert B. Lewis (left) and Mrs. James Hatchett. Mrs. Lewis and Mrs. Hatchett are respectively past president and secretary-treasurer of the organization.

### ALUMNUS CIRCULATION

Responding to a suggestion from Rosey Hoffmann, the Board of Directors of the MSM-UMR Alumni Association has authorized a change in the ALUMNUS circulation policy. Henceforth, each donor to the Annual Fund will receive six issues following receipt of the gift. Previously, the donor received only those issues published from the date of the gift receipt until the end of the fiscal year, August 31. Under the old plan, regular donors did not necessarily get all issues of the ALUMNUS.

MSM Alumnus

## Joe Miner Sports Camp

Area young people interested in instruction in various sports activities are invited to enroll in the University of Missouri - Rolla's 3rd annual "Joe Miner" Sports Camp in June.

Designed for youngsters ages 9 to 14, the program is an extension activity of the UMR athletic department. Sessions will run June 7-11, June 14-18, June 21-25 and June 28 through July 2. Billy Key, athletic director, is in charge of the program.

Each weekly session includes lessons Monday through Friday, 9 a.m. to noon. Each session is divided into three one-hour periods daily. Campers select three of the following activities for instruction: baseball, basketball, cheerleading, beginning golf, intermediate golf, gymnastics, handball, modern dance, beginning tennis, intermediate tennis, track and field or punt, pass and kick. Recreational swimming may be one of the hourly activities chosen, but it does not involve instruction.

Dewey Allgood, professor of physical education, director of intramurals and head track and cross-country coach, will coach "Joe Miner" track and field. Charles Broyles, instructor in physical education, assistant football coach and head UMR baseball coach, is the

baseball instructor. Charles Finley, assistant professor of physical education and head football coach, will instruct punt, pass and kick participants. William Flentje, instructor in physical education, trainer and athletic physical therapist, will coach handball. Joe Keeton, instructor in physical education, assistant football coach and head wrestling coach, will handle beginning and intermediate tennis. Jerry Kirksey, instructor in physical education and assistant basketball coach, is the camp basketball instructor. And Bud Mercier, assistant professor of physical education, assistant director of athletics and head golf coach, will coach beginning and intermediate golf. Instructor for cheerleading, gymnastics and modern dance will be announced at a later date.

Robert Pease, UMR instructor in physical education, pool director and varsity swimming coach, will supervise the recreational swimming period. UMR student athletes will assist the coaches in the various sessions.

To register or for further information, write or call: Norma Fleming, Extension Division, University of Missouri-Rolla, Rolla, Mo. 65401 (phone: 314-341-4201).

### UNIVERSITY OF MISSOURI - ROLLA FOOTBALL SCHEDULE 1976-77

Date	Opponent	Place	Time
Sept. 4	Missouri Valley	Marshall	7:30
Sept. 11	Missouri Western	St. Joseph	7:30
Sept. 18	Wayne State	Rolla	1:30
Sept. 25	Kansas State - Pittsburg	Rolla	1:30
Oct. 2	OPEN		
Oct. 9*	Lincoln University	Rolla	1:30
Oct. 16	Central Missouri State U.	Warrensburg	2:00
Oct. 23**	Southwest Missouri State U.	Rolla	1:30
Oct. 30	Northwest Missouri State U.	Maryville	7:30
Nov. 6	Washington University	St. Louis	7:00
Nov. 13	Southeast Missouri State U.	Rolla	1:30
Nov. 20	Northeast Missouri State U.	Kirkville	1:30

\* PARENT'S DAY

\*\* HOMECOMING

## Adviser of the Year . . .

Dr. Paul Munger, professor of civil engineering, has been named "Adviser of the Year" at the University of Missouri - Rolla. UMR Chancellor Raymond L. Bisplinghoff presented the award at ceremonies this week on campus.

Dr. Munger was nominated by members of the student chapter of the American Society of Civil Engineers, a scientific and engineering organization. He was chosen for the honor by an anonymous committee of impartial judges. He was cited by the chapter for his leadership training through delegation of responsibility, his availability for consultation, his professional standing and the amount of time he devotes to his advising activities.

This is the second time Dr. Munger has received the title. He was the first

faculty member to be so honored when the "Adviser of the Year" award was established in 1966.

He is an alumnus of UMR and has been a member of the faculty since 1958. He is also director of the UMR Institute for River Studies.

Also recognized at the ceremonies were four other "Adviser of the Year" finalists. First runner-up was Dr. David Oakley, associate professor of music and adviser for the Delta Gamma chapter of Kappa Kappa Psi, national honorary fraternity for college bandmen. The three other finalists were: Dr. Adrian H. Daane, dean of the College of Arts and Sciences and adviser for Phi Eta Sigma, freshmen honor society; Robert V. Wolf, professor of metallurgical engineering and adviser for Pi Kappa



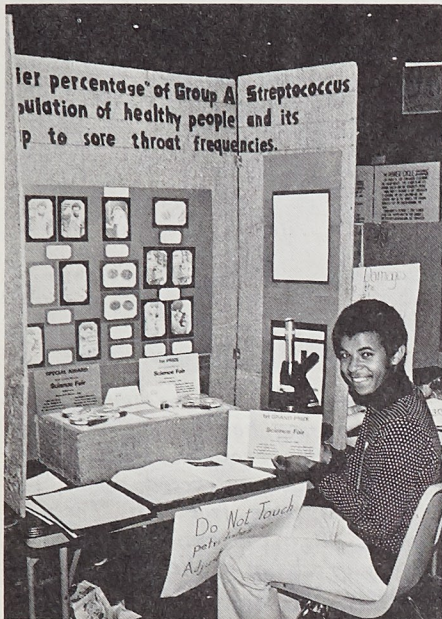
*Dr. Paul Munger, seated, professor of civil engineering, holds the plaque he received when he was designated "Adviser of the Year" at the University of Missouri-Rolla. Munger was nominated by the student chapter of the American Society of Civil Engineers whose officers, standing behind Munger, are Matthew Nail, left, vice president, and Don Repp, right, president. The advisers of approximately 150 student organizations at UMR are eligible for the honor each year.*

Alpha, social fraternity, and Charles R. Remington, professor of mechanical engineering and adviser for "M" Club.

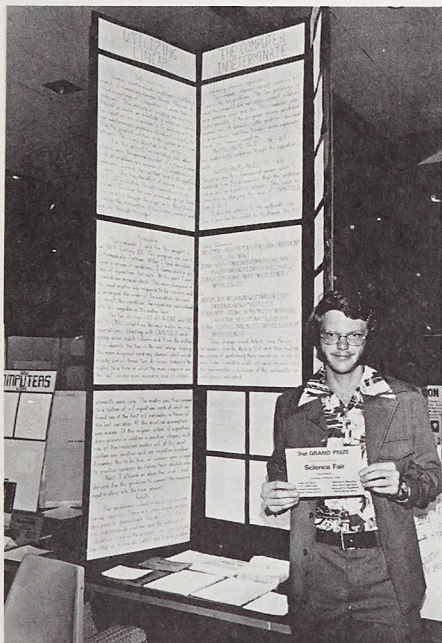
Other advisers nominated by student organizations to compete for the honor were: Herbert R. Alcorn, associate professor of computer science and adviser for the Interfraternity Council; Dr. Don Askeland, assistant professor of metallurgical engineering and adviser for the American Foundrymen's Society, student chapter; Dr. Albert E. Bolon, associate professor of metallurgical and nuclear engineering and adviser for Blue Key, national honor society; Dr. J. J. Bourquin, associate professor of electrical engineering and adviser for the Gamma Theta Chapter of Eta Kappa Nu, electrical engineering honorary fraternity; Dr. David R. Cunningham, associate professor of electrical engineering and adviser for Eta Kappa Nu; Dr. Robert L. Davis, professor of engineering mechanics and adviser for Campus Club, eating cooperative; Dr. D. Ronald Fannin, associate professor of electrical engineering and adviser for Tau Beta Pi, scholarship fraternity; Dr. L. F. Koederitz, associate professor of petroleum engineering and adviser for the Society of Petroleum Engineers, student chapter; Robert Nau, professor of electrical engineering and adviser for Radio Club; Richard E. Oeffner, associate professor of mathematics and adviser for GDI, independents' organization; Dr. Earl F. Richards, assistant professor of electrical engineering and adviser for Theta Xi fraternity; Dr. Harvey H. Grice, professor of chemical engineering and adviser for the American Institute of Chemical Engineers, student chapter; Dr. B. Ken Robertson, associate professor of chemistry and adviser for Sigma Nu fraternity; Dr. John Rockaway, associate professor of geological engineering and adviser for Kappa Sigma fraternity; Dr. A. C. Spreng, professor of geology and adviser for the C. L. Dake Geology Society; Betty Todd, student personnel office and adviser for Zeta Tau Alpha sorority, and Major Dois D. Webb, assistant professor of military science and adviser for Pershing Rifles Company.

There are approximately 150 student organizations on campus whose faculty advisers would be eligible for nomination for the "Adviser of the Year" honor.

## Fair Winners



Mark Dixon, sophomore at Hartville High School, was named winner of the first grand prize at the 20th annual South Central Missouri Science and Engineering Fair held April 2-3 at the University of Missouri - Rolla.



Gary K. Cobb, senior at West Plains High School was named second grand prize winner at the 20th annual South Central Missouri Science and Engineering Fair at the University of Missouri-Rolla Friday, April 2.

## Faculty Awards Announced

The committee on effective teaching and faculty awards at the University of Missouri - Rolla announced the names of 24 faculty members chosen as outstanding teachers for 1975-76.

The group was selected for faculty teaching awards by vote of the students and faculty. Recipients will be honored at a dinner in the fall when outstanding teacher award certificates will be presented.

Outstanding teachers for this academic year include: Professors William A. Andrews, civil engineering; Richard L. Ash, mining engineering; Thomas R. Beveridge (BSMin '42), geology and geological engineering; Robert L. Davis, engineering mechanics; Billy E. Gillett, computer science and mathematics; Karlheinz C. Muhlbauer (BSCE '56), engineering mechanics; Robert N. Sawyer, psychology; Gabriel G. Skitek (BSEE '43), electrical engineering; Charles A. Sorrell, ceramic engineering.

Associate Professors Herbert R. Alcorn (BSME '62), computer science; Jo W. Barr, history; Jerome A. Eyer, geology and geophysics; August J. Garver (MSAppl Math '64), mathematics; Leonard F. Koederitz (BSChE '68), petroleum engineering; Robert A. Medrow, mechanical engineering; Jack B. Ridley, history; James O. Stoffer, chemistry.

Assistant Professors Lawrence O. Christensen, history; C. Brian Harvey, psychology; J. Larry Josey, civil engineering; Bruce E. Poling, chemical engineering; Thomas P. Van Doren (BSEE '62), electrical engineering.

Scott P. Stager (MSCSc '70), scientific programmer/analyst and instructor, computer science, and Melvin G. Schaefer (MSCE '75), graduate instructor in civil engineering, were also chosen for awards.

## Missouri Academy of Science at UMR



Otto Hill

More than 300 participants attended the various sessions of the annual meeting of the Missouri Academy of Science Friday and Saturday, April 23-24, at the University of Missouri-Rolla.

Dr. Otto Hill, professor of physics at UMR and president of the academy for the past year, is director of the event and presides.

Members of the academy are scientists in Missouri from colleges, universities, government agencies and industry. Purposes of the academy include fostering public interest in scientific information, exchanging information through presentation of papers embodying the results of original research, teaching experience or other information of scientific interest and working in all feasible ways for the advancement of science in Missouri.

In addition to a symposium on mining and utilization of Missouri's non-renewable resources, Friday sessions provided a forum for junior academy members (high school level) and collegiate academy members to present papers about their research projects.

Through the presentation of technical papers, senior members of the academy report the results of their original research in Saturday sessions.

Areas of scientific interest covered by the academy include: agri-biology, chemistry, dentistry, economics, engineering, environmental sciences, forensic science, geography, geology-geophysics, linguistics, mathematics, oncology, physics, psychology, sociology-anthropology and science education.

**PLEASE  
JOIN  
THE CENTURY CLUB**



# Chi Epsilon Conclave



Honored at the recent national conclave of Chi Epsilon at the University of Missouri-Rolla were, from left, Victor V. Veysey, assistant secretary of the Army (civil works), Robert C. West, St. Louis, president and chief executive officer, Sverdrup and Parcel and Associates, Inc., and Mrs. Lief Sverdrup, St. Louis, and UMR Professor Paul Munger, national president of Chi Epsilon. Chi Epsilon is the national civil engineering honor society. Veysey and West were initiated as chapter honor members. Mrs. Sverdrup accepted the national honor member citation on behalf of her late husband.

## UMR Chapter Hosts Conclave

Sunday and Monday evening banquets highlighted the national conclave of Chi Epsilon held on the University of Missouri - Rolla campus April 3-5. Chi Epsilon is the national civil engineering honor society.

Robert West, president and chief executive officer of Sverdrup and Parcel and Associates, Inc., St. Louis, was the speaker on Sunday evening. Victor V. Veysey, assistant secretary of the Army (civil works), spoke on Monday evening. Both were initiated as honor members of Chi Epsilon in ceremonies Sunday afternoon when 23 UMR civil engineering students were also initiated.

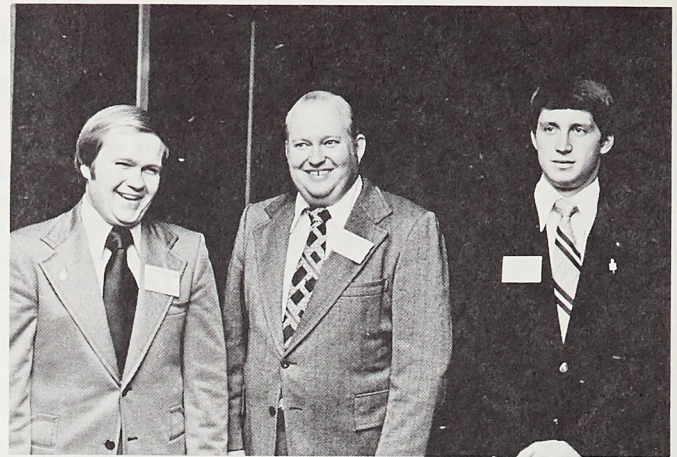
The Sunday evening affair honored the new members and the late Gen. Lief J. Sverdrup, St. Louis consulting engineer, new national honor member. He was initiated as chapter honor member by the UMR chapter a number of years ago. Mrs. Sverdrup was a special guest.

West has been with the St. Louis firm since 1953 and was chief operating officer before being named to his present position. He had previously been principal engineer and head of the structural section. His experience includes construction projects all over the world. He is a civil engineering graduate of Georgia Institute of Tech-

nology. He is registered as a professional engineer in 12 states and the Canal Zone and is active in a number of professional and technical societies.

Veysey was appointed to the Army post in March, 1975. In this capacity he is responsible for the Army Corps of Engineers Civil Works Program for water resources development and preservation; Army-wide environmental policies and programs; policy and guidance to the Canal Zone Government, Panama Canal Co. and for sea level canal affairs; the Army National Cemetery Program, and other civil functions. A native of California, Veysey served two terms as congressman from that state and was in the State Legislature of California for eight years. He received his B.S. degree in civil engineering from the California Institute of Technology and his M.B.A. in industrial management from Harvard. He has taught at Cal Tech and Stanford and has held managerial positions in government and private industry.

Delegates from most of the 89 chapters of Chi Epsilon in the United States attended the week-end meeting. Dr. Paul Munger, UMR professor of civil engineering, is immediate past national president.



The University of Missouri-Rolla chapter of Chi Epsilon, national civil engineering honor fraternity were hosts for the recent biannual national conclave of the group. In charge of the meeting, which attracted about 180 delegates and chapter sponsors, were, from left, Terry L. Michnimer of Hillsboro, Ill., convention chairman, Professor Jerry Bayless, faculty adviser to the UMR chapter of Chi Epsilon, and David Wisch of 1210 Edgewood, Jefferson City, chapter president.

## Grice Honored

Dr. Harvey H. Grice, PE, professor of chemical engineering at UMR, has been elected a Fellow of the American Institute of Chemical Engineers. In his nomination, Dr. Grice was particularly cited for his work as an educator and for his earlier industrial career at General Foods Corporation. Dr. Grice has been Counselor for the UMR Student Chapter AIChE since 1969. He was awarded the Outstanding Counselor Award in 1973 and the Campus Outstanding Faculty Advisor award for 1971-72.

**HOMECOMING  
1976**

**OCTOBER 22-23  
REUNIONS**

**1926 AND BEFORE  
1931, 1936, 1941,  
1946, 1951, 1956,  
1961, 1966 & 1971**

## Don Forrester Retires Again

On April 2, 1976, at the Old Pueblo Club in Tucson, Arizona, Phelps Dodge Corporation honored J. D. Forrester on his second retirement. The program carried these remarks:

"After a long and distinguished career in the academic field, ultimately as Dean, College of Mines, University of Arizona, Dr. James D. Forrester entered the employ of Phelps Dodge on August 1, 1970, as Director of the Corporation's new Division of Environmental Engineering and Research. His charge was as follows:

"The division will concern itself with the total environment, including ways with which to improve solid waste disposal and to curtail water contamination, as well as means of meeting the air pollution problems from all sources. Initially, however, it will concentrate on study and investigation of what happens to emissions from the smelters after the smoke leaves the stacks."

"By the professional manner in which he has discharged these responsibilities, Don Forrester has significantly increased our knowledge of the environment of southern Arizona and southwestern New Mexico, and has contributed greatly toward Phelps Dodge's ability to meet the environmental challenges of the 1970's and beyond. His loyalty and cooperation are deeply appreciated by his associates."

## Action Cooperative Volunteers Sought

New alumni of the University of Missouri - Rolla are especially invited by the U.S. Community Services Administration (CSA, formerly OEO) to serve one year as Action Cooperative Volunteers (ACVs) with one of 53 Community Action Agencies in Iowa, Kansas, Missouri, or Nebraska.

Wayne Thomas, Acting Region VII Director of CSA in Kansas City, said the new ACV program in cooperation with Action Region VII (another federal agency) is an excellent opportunity for new alumni, as well as alumni who were graduated earlier, to devote time, talent, education and experience to a worthwhile activity which also pays living expenses and special training and transportation costs.

Thomas and John L. Campbell, Action Region VII Director, jointly

## HOMECOMING

### 1976

### OCTOBER 22-23

## Job Opportunities

For information concerning positions listed below, please contact Mr. Larry Nuss, Director of Industrial Relations, UMR, Rolla, Missouri 65401, giving File Number of the position, state your degree, discipline and month and year of your graduation.

Regarding the listings that follow, during times of high activity in the employment market, some positions will be filled before they are published. The Placement Office will make a search for similar positions that may be open if you enclose your resume with your inquiry.

- 952 BSME, BSEE 2 positions. Mid-west utility.
- 953 BSME experienced, to train for project manager.
- 954 BSME 1-3 experience, mid-west.
- 955 BS/MS in Chem or ME 5-15 yrs. experience, process design plus MS Chem Eng, 3 yrs. electroplating, mid-south.

announced the agreement between the two agencies which will place ACVs with Community Action Agencies (CAAs) in the 4-state region of the Midwest. CSA will provide funds for the program and Action will recruit the volunteers.

Thomas said CSA, which also funds the 53 CAAs in Region VII, is interested in two main areas of volunteer effort — energy conservation specialism and public administration and program planning for CAAs. Special training in energy conservation methods and procedures will be provided.

CAAs operate programs to train, motivate, educate and provide supportive services to low-income persons.

Those interested should write to Michael Dix, Area Manager, Recruitment, Action, 2 Gateway Center, 4th & State, Kansas City, Kansas 66101.

### JOB OPPS. (Cont.)

- 956 Mining engineers, 3-5 practical experience, multi-locations.
- 958 BS Met Eng brass, copper or steel experience. Mid-west.
- 960 BS Comp Sci, applied math, COBAL and BAL, 2 yrs. experience. Mid-west.
- 961 CE, ME, EE minimum 2 yrs. experience. Mid-west.
- 963 MS/BSME, 2-3 yrs. experience. Corporate R & D, Mid-west.
- 964 BSEE 4 yrs. machines controls. JIC knowledge.
- 966 Agency, multiple listings, experience levels. Met. Eng. preferred.
- 967 Agency. Most disciplines, all experience levels. Near west.
- 968 BSME, EE 0-5 design.
- 969 BSME, EE, all experience levels. 20 openings, corporate headquarters mid-west.
- 970 BSEE 0-2 low voltage power transformers. Mid-west.
- 971 State government computer science data processing.
- 972 Upper mid-west corporate openings. Most disciplines, all experience levels.
- 973 University connected research center multiple openings. Most disciplines. Heavy toward physics.
- 974 Chem. Eng. Institute listings.
- 975 Mech, Nuc, or Elect. 3-5 yrs. design power plants. Mid-west utility.
- 976 Agency. Mining, Geology & other listings. Near west.
- 977 BSME design and coordination mid-west.
- 978 That Golden company is hiring again. Multiple openings.
- 979 BS/MS Mining Engr. or Geological Engr. Northeast limestone quarry.
- 980 BS Mgt. 1-2 time studies, production, material handling. Mid-west.
- 981 Industrial Engr. 0-2 time studies experience.
- 982 2-3 BS/MS ME machine design. Upper Mid-west.
- 983 Northeast, research oriented advance degree. Radar signal processing.
- 984 Doctorate. Mineral engr. (mineral dressing). Mid-west.

(Cont.)

## JOB OPPS (Cont.)

- 985 Ph.D. physical chemistry. Strong polymer background. Corporate R & D Mid-west.
- 986 BSCE 1-2 experience. Mid-west.
- 987 International construction. All disciplines, all experience levels.
- 988 Agency. Multiple listings. All experience levels.
- 989 Six Chem. Engr. 2-3 yrs. Utility research dept., upper mid-west.
- 990 Major manufacturer. Multiple openings in all disciplines.
- 991 State government. Computer programmer/systems analyst. The sunshine state.
- 992 BSME 3-5 equipment installation. Mid-west.
- 993 Energy company. 2-3 yrs. technical sales. Mid-west.
- 994 BSEE protective relaying experience.
- 995 BS/MS preferred. 5-7 yrs. experience, mechanical aptitude, creative ability. Mid-west.
- 996 BS Chem. or Met. Engr. 5-10 experience. Benefaction and minerals processing. northeast.
- 997 MSME Specialization design or mechanics. Major manufacturing R & D Center.
- 998 Met. ME Chem. or Chemistry. 3 openings. Mid-west chemicals.
- 999 BS/MS Sanitary or Environmental. Upper mid-west packer.
- 1000 State government 2, chemistry, and geology, environmental related.
- 1001 Agency. Multiple listings.
- 1002 Agency. Multiple listings, major international corporation. Experienced only.
- 1003 Chem. engr. Institute listings.
- 1004 BSME 2-3 Mid-south. Experience with slot machines.
- 1005 BS Met 0-2 establish and maintain processes and controls for plastics, adhesives, heat treated and soldering.
- 1006 BS Mining 2-3 open pit. Near-west utility.
- 1007 Upper mid-west food processor. Multiple openings still.
- 1008 The Golden Company is still hiring.
- 1009 Federal government. BS/MS ME practical applications nuclear engr.
- 1010 Industrial engr. 2-5 systems cost analysis. Corporate staff position. Mid-west.

## Alumni Personals

### 1 9 2 0

The Alumni Office has been notified of the death of Harry W. Zieseniss, 307 Baxter Road, Ballwin, MO 63011, on March 23, 1976.

### 1 9 2 1

Marion S. Badollet, of 589 East Front Street, Plainfield, NJ 07060, was awarded the Honorary Doctor of Chemical Engineering Degree by Vincennes University on May 1, 1976. Dr. Badollet, retired from the Johns Manville Corp., is a foremost authority in the use of asbestos. In 1962, Vincennes awarded him an alumni citation. At the May Commencement he was recognized further as a descendant of John Badollet, who was a founder of the Vincennes Library Co. in 1806 and a member of the University Board of Trustees from its incorporation in 1806 until 1811.

Mr. and Mrs. Samuel Lloyd, of 185 Country Club Terrace, Rolla, MO 65401, received word by telephone from Panama City, Panama, of the birth of their first great-grandchild, Anne Margaret Arras, on December 26, 1975. Her parents are Mr. and Mrs. Robert Edward Arras, Jr., the Lloyds' oldest grandchild.

### 1 9 2 2

Homer (Shucks) Leonard, 3222 Gilbert, Austin, TX 78703, 512/478-5134 or 512/477-9496, reports he is on the "Mashed potato, English pea and rubber chicken circuit." And further, "I'm selling what I gave away for 50 years . . . on the banquet and convention circuit my speeches are entirely humorous (hopefully) and when people laugh that satisfied the "Ham" in me, and keeps me young at 77." Shucks and his wife Nora are home occasionally at the above address.

Mrs. Pauline Kaullen has notified us that her husband, Fred A. Kaullen, died February 25, 1976. Mr. Kaullen was a retired Federal Grain Inspector. His home address was Box 68, Sikeston, MO 63801.

### 1 9 2 4

The Alumni Office has been notified that Guy Robert Scott of 505 West Spring, Neosho, MO 64805, died April 1, 1976. Mr. Scott was retired from Black & Veatch.

### 1 9 2 4 (Cont.)

Professor J. Lewis and Mary Andrews are back at their home at Oxly, MO 63955 (P.O. Box 96) after another good winter in Florida. Prof. Andrews joined us at the May Commencement for the honoring of the Class of 1926. We were glad to see you Professor Andrews. Florida looks good on you.

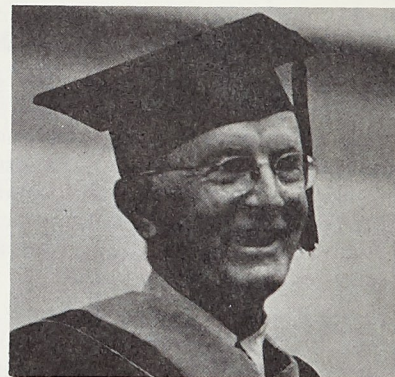
### 1 9 2 5

Foster Cary Nix, retired physicist, died March 26, 1976, in Sun City, AZ, while on vacation. During World War II, Dr. Nix was a project manager on the Manhattan Project. He also served as a consultant to the Office of Naval Research. He served as trustee of Associated Laboratories Inc., Brookhaven Institute, as technical director of research at the Thomas A. Edison Institute (now part of McGraw-Edison), and as a staff member of the Franklin Institute. He retired in 1956 to devote himself to traveling and writing. Surviving are his wife, the former Margaret Shook, and two brothers. His home was in Pocopson Township, Chester County, PA.

### 1 9 2 7

Edward and Naomi Parsons, of E. 42 - 25th Ave., Spokane, WA 99203, spent January and February in Yuma, Arizona. They had the opportunity to visit R. E. Hilpert, '27, frequently.

### 1 9 3 0



C. J. Grimm '30.

C. James Grimm, professor emeritus of electrical engineering, UMR, was presented with an honorary membership diploma by the St. Louis Engineers Club at the annual meeting, Thursday, May 20, 1976. The diploma recognizes Jim's long and productive relationship with the Club.

ALUMNI PERSONALS.

**1 9 3 2**

The Alumni Office has been notified that Frank M. Thoroughman, Mat. Hermann & Son, Inc. 2161 E. Fair Avenue, St. Louis, MO 63107, died March 15, 1976.

**1 9 3 3**

Mrs. Virgil I. Dodson, 3617 Western Ave., Matoon, IL 61938, has notified us of the death of her husband on May 9, 1976. A professional engineer and land surveyor nearly all his working life, Mr. Dodson was a charter member of the Consulting Engineers Council of Illinois and a charter member of Illinois Land Surveyors. He was a self-employed consulting engineer, V. I. Dodson & Associates. He is survived by his wife, Virginia, a son, Gregg, a daughter, Mrs. Diane Hart, a brother, a sister and three granddaughters.

Charles H. Lambur, of 33 Ram-pasture Rd., Hampton Bays, NY 11946, has been re-elected president, U.S. Navy League, Acapulco Council. Mr. Lambur is president of Schneider of Paris, Inc.

Mrs. Max R. Wiley has notified us that her husband, Max Raber Wiley, died March 27, 1975. His home address was 523 N. Crestway, Wichita, KS 67208.

**1 9 3 8 Reunion Class**

Walter E. Mussell, Chief of the Real Estate Division for the U.S. Army Corps of Engineers, South Atlantic Division, was presented the Meritorious Civilian Service Award in a ceremony at his Atlanta office on 18 March 1975. Mussell was honored for his work with the Corps since 1968 when he was appointed chief of the Corps' real estate division in Atlanta. During that period his office has been involved in the acquisition of nearly 4,000 tracts of land valued at \$85 million. Major civil works projects which Mussell has been involved in include the Tennessee-Tombigbee Waterway which will connect Mobile, Ala. with the Tennessee River for shallow draft barge traffic; the Biscayne National Monument near Miami; Richard Russell Lake and Dam on the Georgia-South Carolina border; and several other Corps-built lakes. Mussell is married to the former Rita Lohmeier of Poplar Bluff, and they have nine children. Their home address is 2409 LaFortune Drive, Decatur, GA 30032.



W. E. Mussell '38.

**1 9 3 9**

William H. Webb, Route 4, Rolla, professor of chemistry at UMR and chairman of the department since 1966, will retire during the 1976-77 academic year. In Bill's ten year tenure as chairman there has been a continued emphasis on excellence in undergraduate teaching while the graduate program has been expanded. The newest academic building on the campus, the chemistry-chemical engineering facility dedicated in 1974, contains many features suggested and developed by Bill from his experiences on the Rolla campus which date to 1938.

**1 9 4 1 Class Reunion**

Robert L. Topper, of 11015 Wickwood Drive, Houston, TX 77024, is president of RELMM Corp., and independent oil and gas operation in North Louisiana and East Texas with offices in Houston and Shreveport.

**STUDENT PUBLICATION**

The *UMR Engineer* is the engineering college magazine written by the students at the University of Missouri-Rolla. It is issued in October, December, February and April. This magazine is an 8-1/2" x 11", twenty-four to thirty-two page, high-quality student journal with technical articles of general interest, local & national advertising, and campus & organizational news.

Each issue has 3,000 copies circulated. Two-thousand are distributed on campus to UMR students and faculty, and one-thousand are mailed to high schools, alumni and companies.

Subscriptions are available at \$4 per year by writing to the following address:  
 UMR Engineer  
 Bldg. T-1, Room 102 (subscription)  
 University of Missouri - Rolla  
 Rolla, MO 65401

**1 9 4 3**

Waldemar M. Dressel, of 307 Christy Drive, Rolla, has been appointed U.S. Bureau of Mines Liaison Officer for Missouri and Iowa. He will remain headquartered in Rolla.

Norman R. (Bob) Underhill, of 1933 Karlin Place, St. Louis, Mo 63131, has been elected president of the Concrete Council of St. Louis. Mr. Underhill is president, Bennett Concrete Products Co.

**1 9 4 6 Reunion Class**

"We're still alive and kickin'," is the message we have from Rev. Robert L. Mann, P.O. Box 13, California, MO 65018. Robert is the statistician for the Missouri East United Methodist Conference. Shirley is his assistant. He is also Pastor of the United Methodist Church in California, MO.

**1 9 4 7**



Association Past President  
 J. W. Stephens '47

James W. Stephens was elected senior vice president of Missouri Public Service Company by the Company's Board of Directors. He has previously been Vice President-Community Services. Stephens has spent his entire professional career with MPS, starting as an Electrical Engineer in Warrensburg in 1940. He earned the Professional Degree Electrical Engineer from UMR in 1957 and received the Honorary Doctor of Engineering from UMR in 1971. Mr. Stephens is a Past President of the Chamber of Commerce of Greater Kansas City, the American Industrial Development Council, the Board of Trustees of the Junior College District of Metropolitan Kansas City, and the MSM-UMR Alumni Association. He and his wife Maxine live at 406 East Third, Lee's Summit, MO 64063.

1949

*H. E. Straub '49.*

Harold E. Straub, of 3117 Ripplewood, Garland, TX 75042, has been named manager of the new Dallas Technical Center of Environmental Elements Corporation. He will direct testing and development activities for sound control equipment, fans, and air diffusion apparatus. Straub is a "fellow" member of ASHRAE and has been presented with the society's distinguished service award. He is the author of many technical papers and is also a member of the Illuminating Engineers Society and chairman of the Air Diffusion Council Engineering Committee.

Robert C. Hamilton, of La Mesa, CA, died December 30, 1968. Mr. Hamilton was part of the Aerospace Program that planned and built John Glenn's space craft.

**1950**

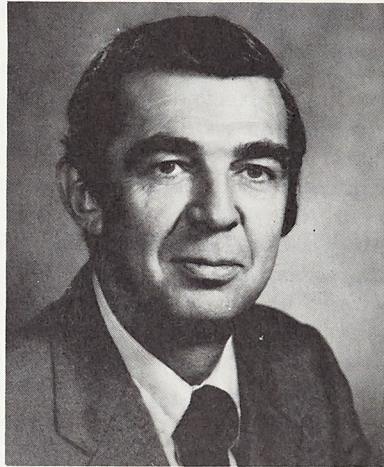
Edward Patrick Lasko, of 14203 Leeward Way, Lake Park, FL 33410, died April 24, 1976. He was employed at Pratt-Whitney Aircraft for the past 10 years as a metallurgical engineer. He is survived by his wife, Helen, his mother, six brothers and four sisters.

**1951 Reunion Class**

Gene R. Blendermann transferred from International Petroleum (Venezuela) Limited in Caracas to the Exxon affiliate in Tripoli last February. The mailing address for Gene and Vera is Production Planning Coordinator, Esso Standard Libya, P.O. Box 385, Tripoli, Libya.

**1951 (Cont.)**

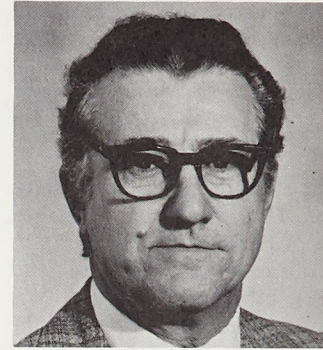
Richard P. Ketter, Route 3, Box 727, Coopersburg, PA 18016, has been made general manager, technical services, Bethlehem Steel Corp. Mr. Ketter joined Bethlehem Steel in 1951 as a member of the company's loop management training program for college graduates and has earned positions of increasing responsibility with them. He received the Professional Degree Engineer of Mines from UMR in 1970. He is a member of the Bethlehem Chamber of Commerce and both the national and Lehigh Valley sections of the AIME. Mr. Ketter is married and the father of three children.

*R. P. Ketter '51.*

Charles Lester (Les) Friedmann, Manager Los Angeles Engineering, U.S. Borax and Chemical died suddenly February 4, 1976. He is survived by his wife Donna and their seven children, LuRoyce (Mrs. Michael Fiscus), Frank, Phillip, Jean, Elena, Elizabeth, and Patrice. Their home address is 17541 Hiawatha, Granada Hills, CA 91344.

**1952**

Edgar J. Gegg has been transferred from Texagulf's Phosphate Operations and promoted to Production Supervisor at the United Minerals Products Company, a subsidiary of Texasgulf located in Weeping Water, Nebraska. Gegg is a member of the AIME and AISE. He is married to the former Dorothy Fallert. They have two sons, ages 20 and 12, and a daughter age 17. They are still in the process of relocating.

**1952 (Cont.)***E. J. Gegg '52.***1954**

Herbert E. Lincoln changed jobs in February and is presently construction manager with Algernon Blair Industrial Construction Co., Norcross, GA. He and his wife Shirley are residing on Lake Lanier, north of Atlanta. Herbert's mailing address is c/o Algernon Blair Co., 4508 Old Peachtree Road, 30071.

**1955**

Howard M. Brown, 2204 South Hawthorne Dr., Decatur, IL 62521, has been promoted to associate professor of the mathematics and physical science division of Richland Community College. Dr. Brown has been with Richland's faculty almost four years.

The Alumni Office has been notified of the death of John Joseph Victor, Jr. on April 23, 1976.

**1956 Reunion Class**

Willis Francis Estep and Lois Jean Nichols were married in Jefferson City on March 5, 1976. Mrs. Estep is employed as a secretary for the Jefferson City Public Schools. Mr. Estep is a science teacher at Fatima High School, Westphalia. The couple will live at 111 Vista Road, Jefferson City, MO 65101.

Harlan L. Kebel, Box 547, Hagersville, Ontario, NOA 1HO Canada, was made works manager for Canadian Gypsum Co. last January. This is a fully owned subsidiary of U.S. Gypsum. Mr. Kebel has been works manager at the U.S. Gypsum's Sperry, Iowa, operation for the past 6½ years.

**1959**

Richard E. (Gene) Kellermeyer, of 525 Prospect Ave., River Vale, NJ 07675, is a design engineer with E. Holzer and Co. in Englewood. His wife, Jan, R.N., E.T., recently passed with highest honors the Harrisburg Hospital School of Enterostomal Therapy and has been certified as an enterostomal therapist. The couple has two sons.

ALUMNI PERSONALS

1960

Risdon William Hankinson, Phillips Petroleum Company, has been elected to the Board of Visitors of the Engineer's Council for Professional Development (ECPD) according to Dr. W. H. Corcoran, vice president, California Institute of Technology. The Chemical Engineering Visitors are elected by the Education and Accreditation Committee of the American Institute of Chemical Engineers. The Board of Visitors has the responsibility for the national accreditation of engineering schools and is divided into teams who perform inspection tours to insure that the educational standards of the profession as set forth by ECPD guidelines are strictly adhered to. Dr. Hankinson and his wife and their three children live at 701 SE Sooner Park Drive, Bartlesville, OK 74003.

Charles E. Tharp, of 9 Champagne Dr., O'Fallon, MO 63366, has been promoted to Technical Sales Director and Regional Manager for the Ralph B. Carter Co. The company is to open new offices to house all midwest and farwest operations from the St. Louis area. The new facilities reflect the rapid expansion and growth of the company plus an effort to provide expanded service to their clients.

1961 Reunion Class

Jay O. Hunze has been named director of the newly-formed Safeguards and Security Division at the Energy Research and Development Administration's Chicago Operations Office in Argonne. Mr. Hunze is responsible for development and administration of physical security and personnel security programs, special nuclear materials management and safeguards practices employed by contractors and ERDA operations. Jay and his wife Diane have two children. Their home address is 3116 63rd, Downers Grove, IL 60515.

1962

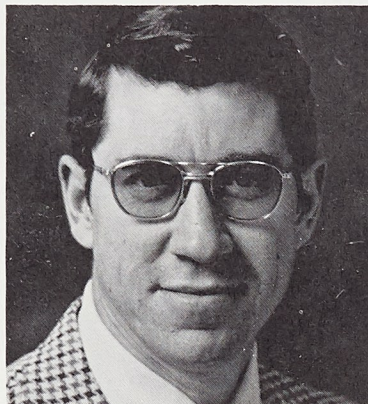
Charles Brauer, Jr. of 200 S. Ravine, Fulton, MO 65251, is Professor of Chemistry at Westminster College in Fulton.

James Wesley Wilson, of 3344 West Adams, St. Charles, MO 63301, died July 28, 1975. Mr. Wilson had been an engineer with McDonnell Douglas for 14 years.

MSM Alumnus

1964

Lt. Colonel Lewis C. Sowell, Jr., has just completed a two year assignment with the Office of The Chief of Engineers, U.S. Army Corps of Engineers, Washington, D.C., where he was Branch Chief of the Army Facilities Components System. His new assignment is as Commander of the 4th Battalion of the 2nd Training Brigade at Ft. Leonard Wood, MO 65473. He assumed command there on 10 May.

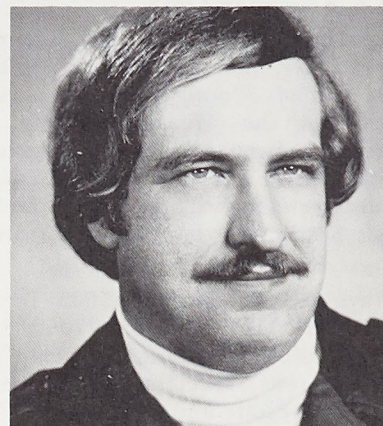


R. E. Harlan '64.

Ronald E. Harlan, of 131 Autumn, Sikeston, MO 63801, has been promoted to area maintenance supervisor at Westvaco Corporation's pulp and paper mill at Wickliffe, Ky. In his new position, Mr. Harlan will have responsibility for the planning, programming and execution of all maintenance projects in the general pulping area at the mill, including woodyard, the pulp mill and the pulp dryer. Ron and his wife L'Wana have two sons, Craig and Christopher.

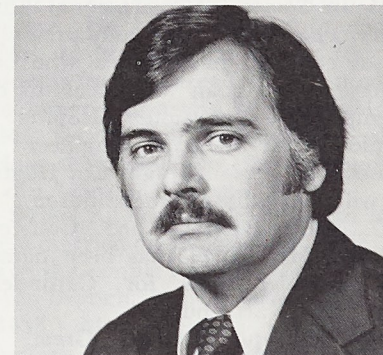
B. R. Shah, Nippon Clark Division, Dresser Machinery Ltd.; 701 Fuji Bldg., 2-3, Marunouchi 3-Chome; Chiyado-Ku, Tokyo 100 Japan, reports, "In August 1966, I joined Dresser Industries, Clark Division, at their satellite office in Buffalo, N.Y. However, in September 1968, I was transferred to Tokyo to handle the engineering functions of their Japan operation — a joint venture with Mitsubishi Heavy Industries — to manufacture centrifugal compressors for petrochemical industries. As such I have been in Japan since 1968. I have one son, who was born in 1967. He is a special product of our mobile society - born in USA, parents from India, speaks 4 languages fluently including Japanese."

1965



R. W. Sundermeyer '65.

Robert W. Sundermeyer, of 2931 39th St., Port Arthur, TX 77640, has been named area supervisor, Light Oil and Petrochemicals Area, in the Bulk Oil Department of Gulf Oil. He has been with Gulf since 1965 and has held a variety of assignments in the Light Oil, Bulk Oil, and Cracking Departments.



J. N. Thomas '65.

John N. Thomas has been promoted to exploration supervisor for Exxon Company, U.S.A. He is project leader in the Northern Delaware Project, Southwestern Exploration Division, in Midland, TX. Thomas is a member of the West Texas Geological Society. He and his wife Mary Ann live at 1204 Country Club, Midland, TX 79701.

William M. Farrell, Jr., former project manager of Naval Nuclear Fuel Division of Babcock & Wilcox Company in Lynchburg, is transferring to the Power Generation Group and will be assigned to the staff of the nuclear export operations. Farrell joined B & W in 1966 as a nuclear fuel specialist. He lives at 314 College Park Drive, Lynchburg, VA 24502.

## 1966 Reunion Class

Leonard C. Kirberg, 331 Carmel Wood Drive, Ellisville, MO 63011, has been named "Young Engineer of the Year" by the Missouri Society of Engineers. Leonard is senior engineer with Horner & Shifrin, Inc. in St. Louis. He also serves as vice president of the St. Louis Section of the Alumni Association.

Raymond R. Betz, of 5502 Boyce Springs Dr., Houston, TX 77066, has started his own business, Raymond R. Betz Interests, specializing in Investment Real Estate and tax shelters.

Tom and Loretta Holt, of 217 Wildwood, Baytown, TX 77520, have written to tell us about the arrival of Nathaniel Phillip Holt, 6 lbs., 12 oz., born 12 July 1975. His brother Andrew is 4 years old. Mr. Holt is an instrument engineer with ARCO Chemical.

Larry L. Rushing, 1809 Tower Dr., Jefferson City, MO 65101, was presented the 1976 Young Engineer Award by the Jefferson City Chapter of the Missouri Society of Professional Engineers. The award is annually presented to an engineer in the area who best represents the goals and ideals of the engineering profession. Rushing is employed as District Engineer by Missouri Power and Light Co. He and his wife Gayle have three children.

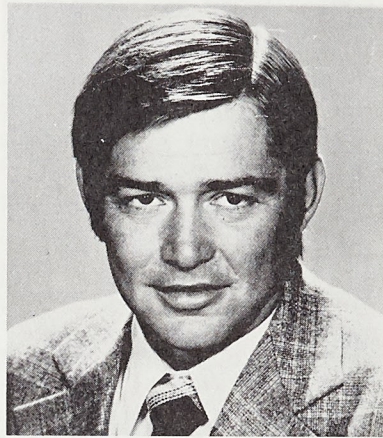
C. Gary Bardon, 663 Golfview, Ballwin, MO 63011, has been named vice president-sales for Carondelet Foundries in St. Louis.

Stephen and Mildred Greer, of Casella Postal 162, 74100 Taranto, Italy, have a third daughter, Suzanne, born in September 1975. Mr. Greer is presently finishing up work on auto gauge control equipment for Itauan Steel Firm in Southern Italy. He expects to start similar work on slabbing mills and rod mills in Taiwan in June. Mr. Greer is an electrical engineer with Westinghouse.

**WANT EXTRA COPIES OF THE ALUMNUS? WRITE  
THE ALUMNI OFFICE, HARRIS HALL, UNIVERSITY OF  
MISSOURI, ROLLA, MISSOURI - 65401.**

## 1967

James A. Allmon has been appointed senior product metallurgist at the Kansas City Works of Armco Steel Corp. He is currently working on welding procedures and quality assurance standards for structural steel products. Jim was also recently married and lives with his new wife, Peggy, and their 3 children, Kevin, Roger and Teri, at 4716 Black Swan Dr., Shawnee, KS 66216.



R. H. Winn '67.

Robert H. Winn, an associate of Dames & Moore and manager of the Anchorage office, has been admitted to the firm's partnership. A specialist in soil mechanics and foundation engineering. Winn has directed a wide variety of multi-disciplined investigations for pipelines, petroleum refineries, chemical plants, offshore drilling platforms and high-rise structures. He is a member of the Engineering Institute of Canada and the American Society of Civil Engineers and is a registered professional engineer in Yukon, Alberta, Ontario, and Hawaii. Winn, his wife, Gloria, and their sons, Robert, 4, and Jason, 3, live at 4937 Marion Ave., Anchorage, AK 99504.

## 1968

James D. Blackwood was married to Sheila Kay Belras on July 27, 1975. They live at Route 3, Willowbrook Village, Apt. #7, West Frankfort, IL 62896. Mr. Blackwood is estimating engineer for District 9, Illinois Department of Transportation.

David M. Faintich, of 9604 Mansfield Dr., Olivette, MO 63132, recently joined General Cable Corp. as a member of the Corporate MIS Staff. He is responsible for all data processing activity of the Building/Bare Wire Division headquartered in St. Louis. This division has 4 plants and 2 warehouses located in Missouri, Tennessee, Arizona, and California.

Dennis J. Fesler, of 11 Foxcliff Ct., Manchester, MO 63011, has been named vice president-production for Carondelet Foundry in St. Louis.

Robert F. Kehrman, of 1205 Wood Dale Ct., Pasadena, MD 21122, has updated our records with the information that, "Rebekah Ann was greeted by her 3 brothers and sister on December 26, 1975, in Baltimore, MD." Lynne (Mrs. Kehrman) was there to supervise the meeting, of course. Mr. Kehrman is a senior geophysicist with Westinghouse Electric.

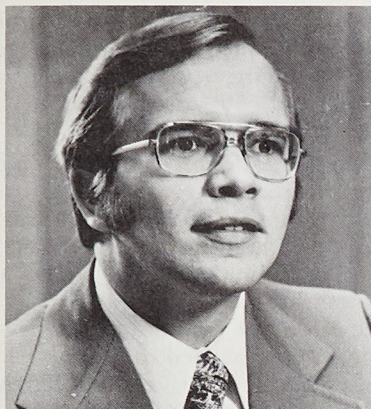
## 1969

Captain Alan R. Cobb transferred last October 1975 to Travis Aircraft for Military Airlift Command. Capt. Cobb is a C-5A Navigator. He and his wife Sharon live at 2849 Calaveras Dr., Fairfield, CA 94533.

Jerry Hunt, of 1504 Creighton Place, Tullahoma, TN 37388, recently received his certificate of registration at a meeting of the Tullahoma Chapter of the Tennessee Society of Professional Engineers. Mr. Hunt is a facilities engineer with ARO.

Thomas G. Chambers has been employed as plant engineer at the Palmyra Facility of the American Safety Equipment Corporation. He had held various engineering and maintenance positions at Owens-Corning Fiberglas in Kansas City. Tom, his wife Jeannie, and their two children have purchased a home at 624 Gary Ave. in Palmyra, MO 63461.

1970



J. R. Morris '70.

James R. Morris has been appointed superintendent of CF & I Steel Corporation's new coal mine, now being developed near Trinidad. Development work on the new coking coal mine began in February and the mine is scheduled to be in production in 1978. Mr. Morris, his wife, and their two children live at Boncarbo, CO 81024.

Lenard H. Ross, of 8 Flamingo Drive, Hazelwood, MO 63042, is a civil engineer with the Corps of Engrs. Mr. Ross writes to tell us that Robert Plamer, '68, is married and has a two year old daughter and is working as a salesman for Burroughs. The Palmers' home address is 2714 Crestview, Las Cruces, NM 88001.

Michael R. Mruzik, of 389 Marlborough St., #4, Boston, MA 02115, is a research associate at MIT. Recent publications include: (1) Phys. Rev. Letters, 36, 261 (1976). and (2) J. Phys. Chem. 64, 481 (1976). He has also recently completed theoretical work on nucleation of liquid water from vapor.

Warren Chip Woods and his wife Marie have two daughters, Erica, born April 23, 1972, and Jenessa, born December 18, 1975. Their new home address is RFD 1, Centralia, KS 66415. Mr. Woods became a registered land surveyor on December 23, 1974, and a professional engineer on February 16, 1976. He is employed as county engineer for Marshall County, KS.

James J. Ranieri has been promoted to captain in the U.S. Air Force. Captain Ranieri is a radar navigator at Loring AFB, Maine, with the 42nd Bombardment Wing, a unit of the Strategic Air Command.

1970 (Cont.)

Charles A. Rhyne and Sylvia Klunder were married November 28, 1975, in the United Methodist Church in Perryville. Mr. Rhyne is a construction inspector for the Missouri State Highway Department.

Carl O. Schwanke has completed work toward the Ph.D. in chemical engineering at the University of Texas-Austin and has accepted a position in the Computer Control Group, Exxon Company, U.S.A. Corporate Engineering Headquarters in Florham Park, NJ. Carl and his wife, Leslie, are living at #28-B Rockridge Terrace, Dover, NJ 07901.

Enrique Alberto Oti II, has graduated from the T-38 Talon instructor pilot course at Randolph AFB, Tex. The captain has been assigned to Williams AFB, AZ, where he will serve with a unit of the Air Training Command. Captain Oti and his wife Dina live at 702 North Birch St., Gilbert, AZ 85234.

Jeffrey Lewis Chambers, of 251 E. Main, c/o Colonial Mtl., Leisure, ID 83672, was killed in an automobile accident in January 1976.

Michael B. Mallory, Captain, U.S. Air Force, is currently assigned to Norton AFB, CA, as a communications officer. He was previously stationed at Murphy Dome Air Force Station, Alaska.

Steven Michael Gardner, State Representative (D) from the 92nd District, will receive the Globe-Democrat award for meritorious service during this session of the Missouri General Assembly. Four senators and five representatives were chosen for this honor by an anonymous committee representing the newspaper and several groups interested in state legislation. Rep. Gardner is described by some observers as the best of the freshmen House members. Gardner handled himself well in floor debate and has maintained good relations with colleagues, although they may differ. Mr. and Mrs. Gardner make their home at 609 Twigwood Dr., Ballwin, MO.

**1971 Reunion Class**

Joseph (Jay) Balestreri, 4716 W. 76th, Prairie Village, KS 66208, was recently named salesman of the year for Powers Regulator Co. Jay is senior contract sales engineer for Powers. His prize is a trip to Nassau. Congratulations Jay and Mary. Have fun.

1971 (Cont.)

Robert and Linda Moss have a daughter, Stacy Joe, born February 18, 1976. Their home address is 901 William, Omaha, NE 68108. Mr. Moss is an electrical engineer with the Corps of Engineers, Omaha District. He was recently promoted from GS-7 to GS-9.

Marvin Havens was married to Marella Zaganelli on January 17, 1976, in Collinsville, IL. Mr. Havens is working as a senior engineer with Union Carbide R & D. He earned his Ph.D. in Ch.E. from UMR this May. Mr. and Mrs. Havens are living at 3 Western Drive, St. Albans, WV 25177.

Lance Wade, of Box 482, Washburn, ND 58577, reports that Robert Leonard was born April 18, 1976, in Bismark, ND. Both he and Peg (wife Margaret) are doing well and Bryan is enjoying his younger brother. Lance is in charge of field operations for construction of the new 6 million ton per year Falkirk Mine which will be the largest coal mine in North Dakota.

Billy E. Bennett, of Altamont, IL 62411, is an instructor at Lincoln Trail College. He has been recommending UMR to students and four of the students from his area have accepted his recommendation and have enrolled in UMR for the fall semester. Bill says, "Hope they enjoy it at UMR as much as I did." So do we, Bill.

Darryl K. Peetz and Joy Eileen Roth were married on February 14, 1976. We have the couple's address listed as 663 Long Branch, Apt. B, Grover City, CA 93433. Mr. Peetz is employed as Nuclear Inspector for Hartford Steam Boiler Inspection and Insurance Co.

James Edwin Henson recently received his Ph.D. degree in chemistry from Rice University in Houston, Texas. Dr. and Mrs. Henson and their daughter Melissa live at 9809 Rosensteel Ave., Silver Springs, MD 20910. Dr. Henson is employed by the Department of Defense in Washington, D.C.

Don E. Clinkenbeard, of 3206 Belhurst, Springfield, MO 65804, has been named manager, international belt technical services for Dayco Corporation. Clinkenbeard, who has been with Dayco since 1964, will be responsible for coordinating technical aspects of Dayco V-belts with Dayco licensees around the world. He is a member of the National Society of Professional Engineers and is responsible for two patents issued to Dayco.



1972

Richard E. (Dick) Bartlett and his wife Jeana are the parents of a son, Ryan Allen, born March 11, 1976. Ryan has an older brother named Shane. Dick is an electrical field engineer with Bechtel. The family lives at 1706 S. El Paso, Russellville, AR 72801.

James Ross Benton and his wife Cathy, 19½ South Leonard, DuQuoin, IL 62832, have a son, Mark Aaron, born March 8, 1976. Mr. Benton works for Consolidation Coal in Pickeyville, IL.

Marvin Sindel, Jr., of 260 Pelham Rd., Apt. A-3, Greenville, SC 29607, writes to tell us that he is presently working as a gas turbine specialist for the Large Gas Turbine Dept. of General Electric. Mr. Sindel also said he would like to hear from any of the old "Lay House Gang."

Mr. and Mrs. John Roger Anderson, of 5218 Miami St., St. Louis, MO 63139, wish to announce the birth of their first child, Seth Martin, born October 23, 1975. Mr. Anderson is Manager, Office/Research Operations for Ralston Purina.

Gary V. Phillips has been declared a registered land surveyor by the Missouri State Board of Architects, Professional Engineers and Land Surveyors. Mr. Phillips is employed as a managing engineer and chief of the survey section of Huffman Engineering, Inc. He and his wife, Martyne, and their daughter, Theresa Ann, live at 967 Cynthia, Poplar Bluff, MO 63901.

The body of Gary D. Thurman, 9319 Longview, Kansas City, MO, was found on April 1, 1976, in a private lake at an apartment complex in south Kansas City. Mr. Thurman had been missing since February 16, 1976. Police said it appeared the man drowned accidentally. Mr. Thurman was a supervisor of network design for Southwestern Bell. He is survived by his wife, Dorothy, his parents, two brothers, four sisters, and his grandparents.

**THE MSM ALUMNUS  
WELCOMES PICTURES  
WITH NEWS ITEMS**

1973

Roger L. Stonner is now called "Smokie" after a small fire on one of his projects. Smokie is engineer on scalping, preheat hot rolling and heat treating lines of the Morris Plant of Alumax Mill Products. He and his wife Mayme live at 1316 Robin Court Channahon, IL 60410.

Mark G. Fehlig, 47 Dearborn Place #26, Goleta, CA 93017, joined Moseley Associates, Inc., in November 1975 as sales engineer in their marketing dept. Moseley manufacturers and supplies radio and television broadcast equipment. Mark was formerly chief engineer with KUMR-FM at UMR.

Captain Phillip R. Hagedorne was awarded the Air Force Commendation Medal in recent ceremonies at Griffiss AFB, NY. He was decorated for meritorious service as chief of program development with the 432nd Civil Engineering Squadron at Udorn Royal Thai AFB, Thailand. The captain now serves as an operations and maintenance officer at Griffiss with the 416th Civil Engineering Squadron, a unit of the Strategic Air Command. Captain Hagedorne and his wife Roselyn live at 6635 Seville Dr., Rome, NY 13440.

1974

The February ALUMNUS carried the news that Roger and Karen Haynie had adopted a son and were expecting a baby in January. They were hoping for a one year difference in the ages of the children. They almost made it. Erika Diane was born January 11, 1976, 4 days short of a year. Sounds like "Dryer Babies" will be the battle cry of the household for a while. The formula making is carried on at 570 Cypress Ave., Sunnyvale, CA 94086.

John and Darlene Marie Zugel and their twin daughters, Andrea and Kimberly, born July 16, 1975, are now living at 240 Monroe Drive #302, Mountain View, CA 94040. Mr. Zugel is principal engineer for Singer Simulation Co. in Sunnyvale.

Gary Pariani recently moved back to St. Louis after 18 months with Amoco Products Co. in Houston. Gary has gone into marine sales and service with fellow alumnus Dale Porte as a partner in D & G Marine. His new home address is 8516 Larry Del, St. Louis, MO 63123.

1974 (Cont.)

Patrick James McCowan has enrolled in Western State University's College of Law of Orange County. His home address is 2656 Association Rd. #8, Fullerton, CA 92635.

David E. Cobb, of 2804 Church Street, Hattiesburg, MS 39401, is a resident representative for Burns & McDonnell Engr. Co. working at the R.D. Morrow Generating Plant near Hattiesburg.

June 5, 1976 is the day Michael V. Lupo will be married to Marilyn. They plan to live at 1000 Boston Ave., Apt. C-6, New Boston, TX 75570. Mr. Lupo is an engineering intern in the Intern Training Center with the U.S. Army.

Ronald C. Durbin graduated from USAF Officer Training School at Lackland AFB, TX, on 26 April 1976. He was commissioned as a Second Lieutenant and was a distinguished graduate ranking 8th in class. Lieutenant Durbin will be assigned to the Avionics Laboratories, Wright-Patterson AFB, OH, as a developmental engineer. His wife Janice and their children, Jennifer 3 and Daniel 15 months, will join him at Wright-Patterson soon.

Jerome C. Brendel, Jr., of 2922 Keokuk, St. Louis, MO 63118, is currently associated with the firm Consoer, Townsend and Associates on Hampton Avenue in St. Louis.

1975

Bruce A. Enloe has announced his marriage to Beverly Gay on May 15, 1976. Mrs. Enloe is a teacher of the second grade at the Louisiana State School for the Deaf. Bruce is a mechanical engineer with Ethyl Corp. The couple lives at 445 Alvin Dark #271, Baton Rouge, LA 70808.

Richard L. Elgin recently returned to the civil engineering department at UMR and is working on his MS. Dick's wife Jeannette is enrolled in UMR's geology department. Their mail address is Box 1344, Rolla, MO 65401.

Gregory W. Miller, of 2601 Quail Dr., Apt. 7, Columbia, MO 65201, has been promoted to senior programmer in the Systems & Procedures Dept. at the MFA Insurance Company's home office in Columbia.

## MSM-UMR ALUMNI ASSOCIATION COMMITTEE MEMBERS

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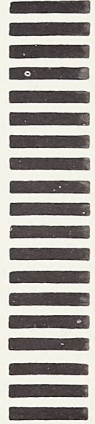
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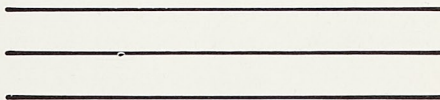
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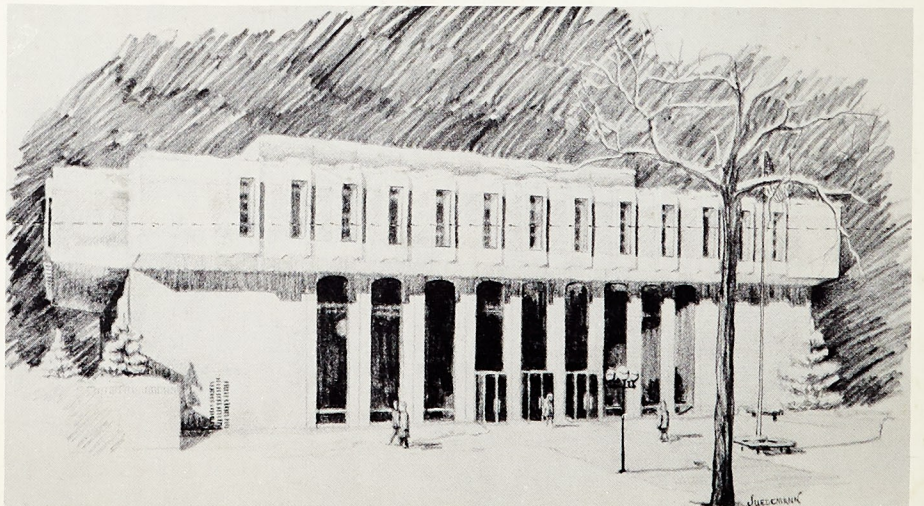
\$50.00	\$25.00	\$20.00	\$15.00	\$10.00	
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