



Missouri S&T Magazine, October 1966

Miner Alumni Association

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MSM

OCTOBER 1966

Alumnus

University of Missouri
at Rolla



*Dr.
John C. Weaver*

14th President

*University
of
Missouri*

MSM Alumnus

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Dr. John C. Weaver,
14th President,
University of Missouri

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MSM Alumni Association

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Editor, "MSM ALUMNUS"			

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Rex Z. Williams '31	Rolla State Bank, Rolla, Missouri	1968

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2	J. O. Ferrell '40	S. Ark., N. C., S. C., La., Miss. 1605 North 10th St. Longview, Texas Ala., Ga., Fla.	1966
3	O. W. Kamper '35	Pennsylvania, W. Va., Ohio, W. Pa., 608 Villavista, Pittsburgh 34, Pennsylvania Ky., Tenn., Ind. (Except Chicago Industrial Area)	1966
4	Frank C. Appleyard '37	N. Ill., Chicago Industrial Area 1209 Milwaukee Ave., Glenview, Ill. in Indiana, Wisc., Mich., Minn., Province of Ontario	1966
5	Richard H. Bauer '52	S. Ill., E. Mo., N. Ark. 5 Sappington Acres Drive St. Louis 26, Missouri	1967
6	Bennett D. Howell '50	Iowa, W. Mo., Nebr., Kan., Okla. 5518 South 66th East Avenue, Tulsa, Oklahoma	1968
7	Robert M. Brackbill '42	Texas, Arizona, New Mexico Texas Pacific Oil Company Box 747, Dallas, Texas	1967
8	F. W. Heiser '39	Ida., Montana, N. D., S. D., 16 Viking Drive Englewood, Colorado Wyo., Colo., Nev., Utah, Provinces of Manitoba, Sask., Alberta	1966
9	William B. Fletcher '34	Alaska, Washington, Ore., 12081 Smallwood Downey, California California, Hawaii	1967

Fourteenth University President Inaugurated

John C. Weaver became the 14th president of the University of Missouri on September 1. He comes to Missouri from Ohio State University where he was vice president for academic affairs.

Dr. Weaver is a Phi Beta Kappa from the University of Wisconsin, where he graduated with a major in geography in 1936. He took master's and doctor's degrees at Wisconsin in 1937 and 1942 and did graduate work and served as a teaching assistant at the University of California at Berkeley in 1937-38.

While in California he met and married the former Ruberta Louise Harwell, a native Californian. They have two sons, Andrew, 19, an engineering student at Ohio State University, and Thomas, 15, a high school student. Dr. Weaver is a native of Evanston, Illinois, where he was born on May 21, 1915.

Dr. Weaver has been on faculties of six mid-western schools, including two in the Big Eight Conference, in which the University of Missouri is a member.

He was dean of the Arts and Sciences School at Kansas State University in 1955-57 and dean of the graduate faculty of the University of Nebraska in 1957-61 before joining the Ohio State faculty in July, 1964, with triple titles of vice-president for academic affairs, dean of faculties, and professor of geography.

His academic career also has included nine years (1946-55) on the geography faculty of the University of Minnesota, three years (1961-64) at the State University of Iowa, and visiting professorship at the University of Oregon, Harvard University, and the University of London, England. As a graduate student he was lecturer in geography at Wisconsin State College during two summer sessions.

Before launching an academic career, Dr. Weaver was a member of the editorial and research staff of the American Geographical Society of New York in 1940-42, was with the U.S. State Department division of geography and cartography in 1942-44, and was Arc-

tic intelligence officer attached to the Office of Chief of Naval operations in Washington as a Navy lieutenant (j.g.) from 1944 to 1946.

In scores of publications, Dr. Weaver has indicated an interest far beyond his academic field. He is author of four separate publications on barley, two on crop-combinations regions in the middle west, and one on livestock units. Others have dealt with such diverse subjects as the food crisis of humanity, American railroads, a design for research and to universities. He has written on hospital administration and contributed to the Annals of Surgery. He is co-author with his father, Andrew Thomas Weaver of "A

Letter From Empire Prairie, Andrew County, Missouri," which appeared in the October, 1955, issue of the Missouri Historical Review and dealt with his ancestors, the Bennett family, who migrated during the closing years of the Civil War from Quebec to north-west Missouri where they homesteaded.

Also in his professional career Dr. Weaver served on committees and as vice-president and president of the Association of Graduate Schools in the Association of American Universities; on the executive committee and as vice chairman and chairman of the Council of Graduate Schools in the United States; as an executive committee mem-

Asks for Loyalty to Whole M.U. System

Dear Alumni,

One bright October Saturday afternoon this fall, the Miners won their football game on the day of their first use of their new stadium facility. That same afternoon the Tigers of Columbia lost a hard fought encounter in California. I happened to be on the Rolla campus that evening and a number of staff members sought to console me over the fact that my team had lost while theirs had won. I was quick to respond: "But you're wrong! One of my teams lost and one of my teams won."

The point is, of course, that as President of the University of Missouri my heart, my hopes, my aspirations are no more centered in Columbia than in Rolla. Be it physics or football, I have an undivided allegiance to all campuses of the University of Missouri and the future of that institution as one great University. Each of its campuses has much to contribute to the strength and potential of every campus, and we must all join hands, as a state-wide academic team, to bring high quality education to young people in whatever community our flag flies.

Under the Constitution of Missouri the University is governed by a single board; its management is the ultimate responsibility of a single president. Working with four chancellors it is my hope that I can assure careful coordination of activity and the achievement of efficient, noncompetitive, but mutually sustaining use of the resources made available to us.

I can well understand that those of you who associate your college experience with the pleasant Ozark campus in Rolla will always have a particularly warm spot in your heart for that place and its traditions.

I would hope that in the years ahead you will find additional satisfaction and excitement in giving your active allegiance and support to the *whole* University of Missouri.

John C. Weaver
President
University of Missouri

ber on the governing senate of the National Association of State Universities and Land-Grant Colleges; as chairman of the committee on institutional cooperation of the Big Ten; as chairman of the executive committee of the Mid American State Universities Association which includes members of the Big Eight Conference as well as Colorado State University; as a member of the Association of Midwest Universities (Argonne National Laboratory); and as a director of the Midwest Corporation.

In addition to his election to Phi Beta Kappa scholastic society, he has been selected as a member of Sigma Xi scientific fraternity, Phi Kappa Phi academic and curricular activities organization, Delta Sigma Rho debating fraternity, and Phi Eta Sigma freshman honor society. He received the Vilar medal at Wisconsin for an outstanding record in debating and forensics. He held a Carnegie Corporation of New York traveling administrative fellowship. He was designated by the British Foreign Office as Wilton Park fellow. He received the Association of American Geographers research award for meritorious contribution in 1955.

Dr. Elmer Ellis, president emeritus, of the University of Missouri, said of Dr. Weaver, "I have known John Weaver for many years and in my judgment Missouri is fortunate to have him as president of its University System. He is a dynamic leader in higher education, proven by his experience in several universities similar to ours. I am completely confident that his administration will be marked by great achievements for all campuses of the Universities and by the State."

The alumni and Rolla campus welcome Dr. and Mrs. Weaver and their two sons to Missouri and we are honored to have Dr. Weaver as the head of the University system.

**Contribute to the
1967 Alumni Fund
The new fiscal year
began Sept. 1**

Enrollment Tops 4800-Mark

The official enrollment for the fall semester is 4,847.

The figure, which combines the enrollment on the Rolla campus with approximately 400 enrolled at the St. Louis Graduate Engineering Center, shows an increase from 4,668 a year ago.

The Rolla enrollment combined with enrollments from the other three University of Missouri campuses, totals 37,210 overall for the University. This is a 10.4 per cent increase from 33,683 enrolled a year ago.

Enrollments on other campuses include the University of Missouri, Columbia, 18,669 an increase from 17,582 a year ago; the University of Missouri at Kansas City, 7,891, an increase from 6,775 a year ago; the

University of Missouri at St. Louis, 5,803, an increase from 4,658 a year ago.

The department of mechanical engineering leads all other departments on the UMR campus with an enrollment of 972. The departments with the second and third largest enrollments are electrical engineering with 944 and civil engineering with 701.

Freshmen outnumber the other classes with 1,329 enrolled. Eight hundred nineteen students are in the graduate school with 71 candidates for the Ph.D. degree.

An ever-increasing number of women enroll at UMR with 121 enrolled for the fall semester. Attracting a large number of the female enrollment in the general studies program which has 93 enrolled this semester.

Antle Heads Math Dept., Fuller Acting Dean

Dr. Charles Edward Antle has been appointed Chairman of the Department of Mathematics at UMR.

Dr. Antle succeeds Dr. Charles Hatfield who will devote full time to teaching and research in the department with special emphasis on the graduate program.

Dr. Antle, who is professor of mathematics, joined the Rolla faculty in 1957 and holds a Ph.D. degree from Oklahoma State University; and an A.M. and B.S. degrees from Eastern Kentucky State College. He has had experience in industry as an aerophysics engineer at Convair, and as a physicist for the U.S. Navy. He has published articles in "The Annals of Mathematical Statistics" and "The Journal of American Statistical Association." He is a member of the American Mathematical Association, the American Mathematics Society, the Mathematics Association of America and Sigma Xi.

Dr. Hatfield, professor of mathematics, was awarded his Ph.D. degree from Cornell University, his A.M. degree from the University of Kentucky and an A.B. degree from Georgetown

College. Before his appointment to the mathematics faculty at UMR, in 1964, he was professor of mathematics at the University of North Dakota and assistant professor of mathematics at the University of Minnesota.

Dr. Harold Q Fuller, chairman of the department of physics, at UMR, will serve as acting dean of the School of Science in the absence of Dr. Paul Dean Proctor, dean of the School.

Dr. Proctor is taking a year's leave of absence, effective September 2, to serve the United Nations in inaugurating programs of geology and mineral resources research at the Mid-East Technological University in Ankara, Turkey. He will return in September 1967 and resume his post as Dean of the School of Science.

**The 1967 Alumni
Fund Goal Is
3200
Contributors**

MSM Alumnus

"Momma Mac" Has Personal Interest in Students

Thirteen students at UMR have a patroness who not only provides them with scholarships, and new academic opportunities in their departments, but takes a personal interest in them.

Mrs. V. H. McNutt, of the Gallagher Ranch, San Antonio, Texas, provides for the ten V. H. McNutt and three Robert E. Dye Scholarships on the UMR campus. But almost as important as her scholarships is her friendship which the students value highly. Recently, during one of her frequent visits to the campus, Mrs. McNutt entertained her scholarship recipients with an annual luncheon just for them, no faculty members allowed. And each time she visits the campus, she attempts to take time to chat with them and encourage them in their chosen training, geology or geological engineering, fields which she is quite familiar. When her scholarship recipients come to call at the fabulous 10,000-acre Gallagher Ranch which she owns, they are royally entertained.

The widow of the late V. H. McNutt, geologist and discoverer of potash deposits in the Carlsbad area, Mrs. McNutt, fondly called "Momma Mac," not only runs her ranch, but takes an active interest in UMR. Here, her late husband received his B.S., M.S. and E.M. degrees and organized the first course in petroleum geology taught in any school west of the Alleghenies. In his memory, she has named the UMR department of geology and geological engineering as beneficiary of the \$1,000,000 V. H. McNutt Foundation. The income from this foundation is to be used to broaden professional and research activities of the staff and assist the student body of the department.

New B.S. Degree

The Board of Curators of the University of Missouri has approved the establishment of a course of study leading to the bachelor of science degree in engineering management at UMR. Chancellor Merl Baker states that a limited number of students will be admitted to the program at the start of the second semester this academic year.

October 1966



Bureau of Mines Chief Is Guest

Dr. Walter Hibbard, national director of the U.S. Bureau of Mines and president-elect of the American Institute of Mining, Metallurgical and Petroleum Engineers was a guest of UMR, October 19.

Dr. Hibbard spoke to about 150 students, faculty and guests at a session sponsored by the student chapter of the AIME and the Southeast Missouri sub-section of AIME.

"With the expansion of civilization," Dr. Hibbard said, "more mining, metallurgical, petroleum and ceramic engineers will be needed in the mineral industry for research design and production."

Minimum standards for reasonable civilization would require five pounds of copper; five pounds of aluminum; five pounds of lead and zinc and 60 pounds of steel per person in a world populated by about four billion people.

He stressed the importance of the Bureau of Mines to the whole mineral industry and cited the Bureau in Rolla and its close cooperation with UMR. "There will be an even greater need

for close cooperation between schools and the mineral industry," he said, "and this cooperation will be exemplified in the future by even closer association of the Bureau at Rolla and the school."

One of the world's leading metallurgists, Dr. Hibbard has served as manager of the metallurgical and ceramics research of the General Research and Development Center in Schenectady, N. Y. and associate professor of Yale University School of Engineering. In 1957, he was a member of the exchange delegation of the United States metallurgists visiting the Soviet Union.

Holder of a doctor of engineering degree from Yale University, Dr. Hibbard is the author of more than 70 scientific papers and has been responsible for major contributions to the field of metallurgy.

Besides holding a top office in AIME, he is a member of many honorary and professional societies, a fellow of the American Academy of Arts and Sciences, the American Association for the Advancement of Science and a member of the New York Academy of Sciences.

Husband and Wife Hired by Same Firm

Last June a husband and wife team, Donald and Nicola Nelson, received degrees in electrical engineering from Rolla. Donald was awarded his Master's degree and Nicola her bachelor's degree.

They continued their team work in looking for employment and both became employees of the Electronics Division of General Dynamics, Rochester, New York.

It is not unusual for young married graduates to begin their careers in new communities, but the Nelsons are both engineers and they were the first husband-wife combination to be hired in



Donald and Nicola Nelson

that capacity by Electronics. And Nicola has the distinction of being the first woman employed to work in the radio communications laboratory of General Dynamics that specializes in the development and manufacturing of military communications.

Donald's assignment is in the company's advanced development laboratory.

Mrs. Nelson's initial project was working on the tuning generator for a military radio receiver which is still in the paper and pencil stage.

The Nelsons were married in 1964, at the completion of Nicola's sophomore year. She entered Rolla to study nuclear physics and later changed to electrical engineering. It appears that the switch was a good choice as it en-

ables them to launch their professional careers with the same company and develop the same fields of interest.

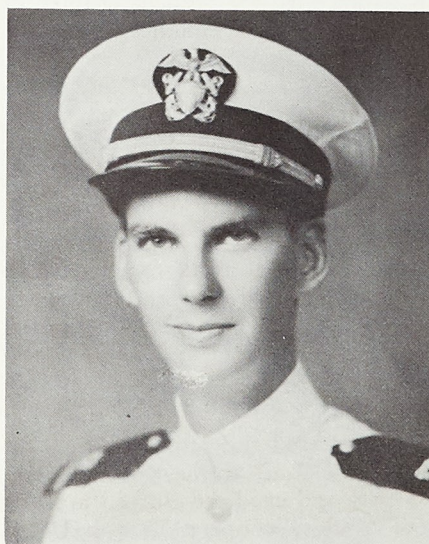
Holtman Hall Is Dedicated

A new residence hall at UMR was dedicated September 24, to Lt. (j.g.) Orvid J. Holtman, U.S. Navy, a graduate of MSM, who was killed in action on June 6, 1944, at Omaha Beach.

The honorable Richard J. (Bus) King, Jr., Representative in the Missouri State Legislature from St. Louis County, made the dedication speech. His topic was "Education's Role in World Peace."

Dr. John C. Weaver, president of the University of Missouri, Chancellor Baker and other University officials, state dignitaries, representatives of the U. S. Navy and the U.S. Army and members of the immediate family were present to witness the ceremonies and the unveiling of the plaque in Holtman's honor. Chancellor Baker presided over the ceremony.

Lt. Holtman, was posthumously awarded the Purple Heart by the War Department for his services in a demolition unit of the Seabees, at Omaha Beach, where he was killed. He was also awarded the Presidential Unit Ci-



Lt. (j. g.) Orvid J. Holtman

tation for Navy Combat Demolition Unit of Force O for service on D Day, and is named on a plaque memorializing names of men who died in the invasion of Normandy, at Ft. Pierce, Florida.

The residence hall, named Holtman Hall, is a four-story red brick building with a capacity of 118 students. Construction of the building was started in 1964 to help meet the rising student enrollment. Built for modern college living, the hall features spacious rooms, lounges and laundry facilities.

Alumni Give Papers At Foundry Conference

Four alumni were among the representatives of the foundry industry who presented papers at the Missouri Valley Regional Foundry Conference held in St. Louis, Missouri, September 15-16.

The biennial conference, co-sponsored by the St. Louis, Tulsa, Kansas City and Memphis chapters of the American Foundryman's Society and UMR student chapter of the AFS has previously been held on the UMR campus, where the conference originated.

A. James Kiesler '40, of the General Electric Company, Schenectady, N.Y., spoke on "Areas of Promise in Science and Technology." Dr. Robert L. Wright '57, associate professor, Western Michigan University, Kalamazoo, presented a paper on "A New Curing Process for Resin Bonded Sands," which was based on graduate research done at UMR; and Donald G. Schmidt '48, of H. Kramer and Co., Chicago, Ill., gave a paper on "Zero Casting Defects" and "Shell Core vs. Hot Box Process," was the topic of the paper presented by Larson E. Wile '51, Lynchburg Foundry Co., Lynchburg, Virginia.

Professors Robert V. Wolf and Dr. Daniel S. Eppelsheimer, and R. C. Tooke and Robert Graham of the metallurgy department, UMR, were present at the meeting.

The Foundry Educational Foundation contributes \$5,000 annually in undergraduate scholarships to students at UMR.

MSM Alumnus

Nolte and Spokes Honored

Two UMR professors have received recognition from national professional organizations.

Dr. Roger E. Nolte, chairman of the department of electrical engineering UMR, has received a citation from the American Society for Engineering Education for his devoted and effective service as vice president of that organization.

Dr. Nolte, who has served as vice chairman and chairman of the Missouri-Arkansas section and as a member on the executive board for the council of Sections West, was vice president of the national society from 1964 to 1966. The award was presented at the annual national meeting in June.

Dr. Ernest M. Spokes, chairman of the department of mining and petroleum engineering, has been nominated as vice president of the American Institute of Mining, Metallurgical and Petroleum Engineers to take office in February.

Dr. Spokes is presently serving a three-year term on the national board of directors of AIME. Vice presidents are chosen from the national directors and serve one-year terms. Spokes has been a national director of the Society of Mining Engineers and this year will serve as a member of the program committee for the National Coal Show of the American Mining Congress.

New Business Officer

Joseph D. Wollard, former deputy post engineer at Fort Leonard Wood, Missouri, has been appointed business officer of UMR.

Mr. Wollard assumed duties September 1, succeeding Emmett Klinkerman, who is now business officer at the University of Missouri, Columbia.

Mr. Wollard has held the post at Fort Leonard Wood for the past four

Faculty Has 44 New Members

Forty-four new members were added to the UMR faculty this school year. This brings the over-all total to 277. Included in this figure are 143 faculty members who have their doctor's degree.

Eighteen members of the faculty received promotions. Seven members were made full professors. They were: C. J. Grimm '30, electrical engineering; Dr. Harry J. Sauer, Jr. '56, mechanical engineering; S. J. Pagano '46 and Dr. Charles E. Antle, mathematics; Wilbur P. Tappmeyer '47, chemistry; Dr. James L. Kassner, Jr., physics and Karl M. Moulder, humanities.

Promoted to associate professor were: Dr. Kenneth G. Mayhan '65 and Dr. Marshall E. Findley, chemical engineering; Dr. C. B. Bayse, engineering mechanics; Dr. S. B. Hanna; Dr. years. He had previously been a con-

sulting engineer with Russell and Axon, Consulting Engineers, St. Louis, Missouri, from 1956 to 1962, and a construction engineer with U.S. Army Engineer District, Kansas City, for seven years.

Wollard received his B.S. degree in mechanical engineering from Oklahoma State University, Stillwater. He is a native of Kansas. He holds the rank of lieutenant colonel in the active reserve of the U.S. Army. During World War II, he served three years in the corps of engineers, with duty in Canada, Alaska and Europe.

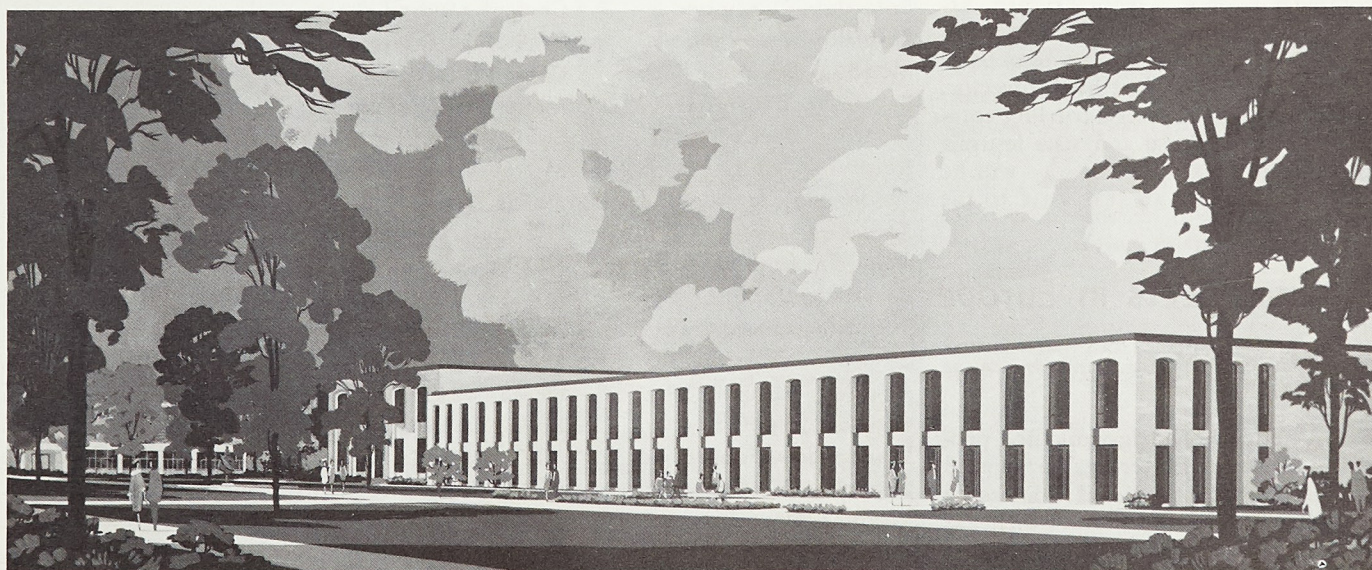
He is a member of the Missouri Society of Professional Engineers, the American Society of Military Engineers, and the Reserve Officers Association.

James O. Stoffer and Dr. David S. Wulfman, chemistry, and Dr. Richard D. Hagni '62, geology. Dr. Norman G. Dillman, assistant professor of electrical engineering, was given the additional title of associate in electronics of the Space Sciences Research Center at Rolla.

Instructors who were promoted to assistant professor were: Dr. Geza Kisvarsanyi '66, geology.

M.E. Addition Approved

The building program at UMR was given another substantial boost October 21, the date the Board of Curators gave its approval of the proposed Me-



Mechanical Engineering Building

chanical Engineering Building Addition. The remaining hurdle is the approval by the federal Department of Housing and Urban Development. This agency participates due to the federal grant of \$450,000.

Upon HUD's approval, making the addition an actuality, the annex would provide in two levels approximately two-and-one-half times more area than the present ME facilities. There will be twenty-one classrooms, seventeen research laboratories, fourteen faculty offices, an auditorium capacity of 310, and varied instrumentations. Sverdrup & Parcel and Associates, St. Louis are the architects for the structure. The design will contribute to the beautification of the campus.

The location of the addition will be north of the present mechanical engineering building occupying the area to the mining building.

Arkansas Co-ed Wields Baton

This year the UMR fans will have something to cheer about in the way of eye-catching half-time entertainment.

For the first time in the 40-year history of the ROTC band, a baton twirler, Myra Jane Wilson, will become a regular feature of the half-time show. Miss Wilson, a freshman majoring in computer science, is from Truman, Arkansas. In high school she was a featured twirler with the high school band as well as their student band director. She is a winner of several twirling competitions at regional and state festivals and her professional dexterity will be welcome and an added asset to the UMR band.

Attend Meets in Europe

Two UMR professors participated in international conferences in their fields.

Dr. Sotirios G. Grigoropoulos, professor of civil engineering, participated in the Third International Conference on Water Pollution Research which was held in Munich, Germany.

Dr. J. J. Scott, professor of mining engineering attended the First Con-

Twirler Adds Glamor to Football Games



Myra Wilson, UMR student baton twirler, first in the R. O. T. C. Band's 40-year history. The new 4000-seat grandstand at the new Jackling Field in the background.

1966-67 Basketball Schedule

Thursday, December 1	Harris Teachers College	Rolla, Mo.
Saturday, December 3	Central Methodist	Fayette, Mo.
Saturday, December 10	SWMS, Springfield	Rolla, Mo.
Monday, December 12	CMS, Warrensburg	Rolla, Mo.
Saturday, December 17	McKendree College	Rolla, Mo.
Monday, December 19	Sam Houston State College	Rolla, Mo.
December 28-29	McNeese State Tournament	Lake Charles, La.
Wednesday, January 4	Harris Teachers College	St. Louis, Mo.
Saturday, January 7	NWMS, Maryville	Rolla, Mo.
Monday, January 9	NEMS, Kirksville	Rolla, Mo.
Saturday, January 14	MU - St. Louis	St. Louis, Mo.
Tuesday, January 24	Missouri Valley	Marshall, Mo.
Saturday, January 28	NWMS, Maryville	Maryville, Mo.
Monday, January 30	NEMS, Kirksville	Kirksville, Mo.
Saturday, February 4	SEMS, Cape Girardeau	Rolla, Mo.
Wednesday, February 8	McKendree College	Lebanon, Ill.
Saturday, February 11	SEMS, Cape Girardeau	Cape Girardeau, Mo.
Wednesday, February 15	Missouri Valley	Rolla, Mo.
Saturday, February 18	SWMS, Springfield	Springfield, Mo.
Monday, February 20	CMS, Warrensburg	Warrensburg, Mo.
Saturday, February 25	MU - St. Louis	Rolla, Mo.

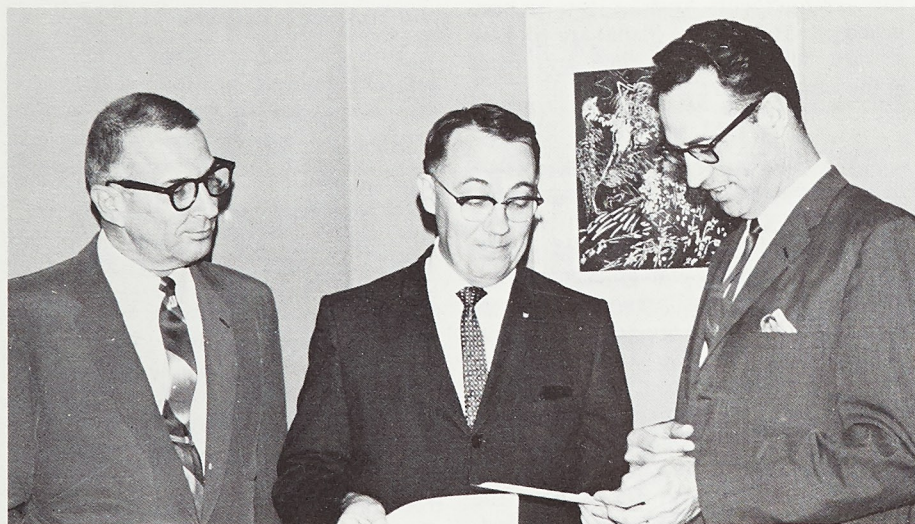
MSM Alumnus

Scholarships Given by Western Electric



Western Electric Company officials were on the campus to present two awards from their company's expanded scholarship program. Western Electric now awards two scholarships instead of the one previously granted. Left to right: John Smith, Jr., '42, Assistant Works Manager, Western Electric Company, Lee's Summit, Mo.; Edwin Shimamoto, senior electrical engineering student at UMR. He has held a Western Electric scholarship since his second semester on the campus. Chancellor Merl Baker; William Coonce is also a senior. This is his first selection for the program. "Burt" Richardson, College Relations Representative, Western Electric Company.

Grant From Atlantic Refining Co.



Chancellor Merl Baker (right) receiving a check for \$1,000 from Dr. Ernest Spokes, Chairman of the Department of Mining and Petroleum Engineering, which was presented to the department by the Atlantic Refining Company. Professor J. P. Govier (left) is in charge of petroleum engineering at UMR. This check is the third annual grant for \$1,000 from the company and will be used for scholarships for undergraduate and graduate students in petroleum engineering.

October 1966

gress of the International Society of Rock Mechanics, that convened at Lisbon, Portugal.

While abroad, Dr. Scott spend several days in London, where he visited the Imperial College, Royal School of Mines, toured research facilities and visited with professors of rock mechanics studies in English schools of mining in the London area.

The International Society of Rock Mechanics was established in 1962. The next Congress will be held in Yugoslavia within the next four years.

Grant from Phillips

UMR has received a \$3,000 grant from the professional development fund of the Phillips Petroleum Company.

The officials of the Phillips Petroleum Company; UMR alumni, V. T. McGhee '42, director of the technical planning, exploration and production department; E. M. Kane '44, assistant director of the project analysis, natural gas and gasoline department; and Allan Holiday '55, group leader in petrochemicals development, were on the campus to present the award.

The grant is for use in the 1966-67 school year and will be administered by deans and department heads in areas of greatest need for student and faculty awards, traveling expenses and fees for off-campus professional society meetings, expenses for visiting speakers and programs and purchase of reference books and professional publications for department use.

The professional development fund was established this year by Phillips and is in addition to scholarships and other established financial support programs.

Guidance Conference

Forty selected high school guidance counselors from Missouri and adjacent states participated in the third annual Engineering Conference for High School Guidance Counselors held on the campus September 29-30.

During the two-day conference, counselors learned about engineering from

representatives of different branches of the profession in education and industry.

Thirty firm and individuals who employ engineers cooperated in the financial support of the conference. The conference was under the direction of J. Kent Roberts, professor of civil engineering and Robert B. Lewis, registrar and director of admissions. All of the department chairmen at UMR participated in the program.

Among the speakers invited to the campus to participate included the following alumni: Thomas Kalin '57, mechanical design engineer, Black and Veatch, Kansas City, Missouri; E. A. Ballman '38, manager, Wood River Refinery, Shell Oil Co., Wood River, Ill.; Robert Vieniage '53, vice president, Acme Structural Inc., Springfield, Mo., and Harold Krueger '42, general manager, Ozark Lead Co., division of Kennecott Copper, Ellington, Missouri.

Seminar in Washington

UMR sponsored an engineering seminar, October 5, at the Marriott Twin Bridges Motor Hotel, Washington, D. C.

The seminar featured a panel discussion on engineering and the space age; work opportunities in the field of engineering and science and how the high school student can prepare for a career in these fields.

On the panel were UMR alumni, Dr. George E. Mueller '39, Associate Administrator of the National Aeronautics and Space Administration, who is in charge of the United States man-in-space programs including the Apollo moon project, since 1963; Dr. Robert G. Van Nostrand '42, manager of the Earth Science Division of Teledyne, who has served as a geophysicist for Mobil Oil Company, in France; Terry Martin '65, Assistant Engineer, U.S. Public Health Service and Dr. Merl Baker, Chancellor UMR.

Seventy-five selected students and counselors from the Capital area high schools attended the seminar.

The Alumni Association is grateful to John B. Toomey '49, for the arrangements made to hold this seminar in the Washington Area.

Alumni Section News

National Capitol Section

ALUMNI LUNCHEONS, WASHINGTON, D. C. - At noon, on the first Tuesday of each month at the Black Saddle, 709 18th St. S.W.J.B. Toomey '49, KLNG 8-8300 may be contacted.

Alumni to Meet During Conventions

Two alumni meetings are planned during the conventions of two professional societies.

Society of Automotive Engineers

DETROIT, MICHIGAN - Tuesday, January 10, 1967, during the national meeting of the Society of Automotive Engineers. This will be an evening dinner meeting. Final arrangements are not complete as we go to press. Willaim Gartland '56, 23410 Meadowlawn, Dearborn, Michigan, is making the arrangements and he can be contacted at 562-4244. Plans are to have a sign telling of the time and place at the headquarters in Cobo Hall.

A. I. M. M. P. E.

LOS ANGELES, California - Tuesday, February 21, 1967, during the annual meeting of the American Institute of Mining, Metallurgical and Petroleum Engineers. This is also an evening dinner meeting. Final arrangements are not complete as we go to press. Don J. Huseman '43, St. Louis Bearing Company, Wilmington, California, is making the arrangements and he can be contacted at SP5-1855. A sign giving the information about time and place is expected to be near the Registration Desk at convention headquarters, in Los Angeles.

Kansas City Section

A rally and dinner was held in Kansas City, Missouri, October 7, before the Miner - William Jewell football

game on the following day, October 8 at Liberty, Missouri. The site of the occasion was the Golden Ox Restaurant. This was the first pre-game dinner-rally that has been held by alumni in recent years and it must have been successful for the following night a 16 - 13 victory was eked out by the Miners. Football coach Dewey Allgood was there to acquaint the group with the 1966 football team.

Others from the campus who were present for this "first" were: Chancellor and Mrs. Baker; Mr. and Mrs. Gale Bullman; Professor and Mrs. H. H. Grice and daughter; Professor Rodney Schaefer '47 and Mr. and Mrs. Ike Edwards.

The alumni and other guests who attended were: Donald S. Ballard '57; Mr. and Mrs. Bob Campbell '56; Mr. and Mrs. E. A. Davidson '49; Mr. and Mrs. Dale Fulcher '63; Don Harclerode '61; Eldon Head '58; Mr. and Mrs. Rex T. Horn '32; Robert D. Jenkins '53; Mr. and Mrs. H. M. Johannesmeyer '51; G. J. Kettler '65; Dale Lingsley '50; Mr. and Mrs. Floyd S. Macklin '32; Mr. and Mrs. Dale D. Mueller '64; Ken Murdock '62; Mr. and Mrs. John L. Pasley '59; Mr. and Mrs. Bob Rickey '56; Mr. and Mrs. James W. Stephens '47; Mr. and Mrs. John W. Sullivan '62; and Mr. and Mrs. Carl Zerweck '50.

Bob Rickey, president of the Kansas City Section, presided at the meeting, and we wish to extend a vote of thanks to Bob and his wife Donna for their part in this successful meeting.

Houston Section

The Houston Section met at the Geo Club, October 18th, to hear Dr. Karl F. Hasselmann '25, lecture on his 6,200 mile tour of Russia. He and Mrs. Hasselmann made the entire trip by auto. They drove their own personal car and were permitted to travel freely and observe most of the points of interest they had planned to visit. His description was most vivid and he held the interest of the group for more than an hour which was followed by a question and answer period. Dr. Hasselmann took hundreds of feet of movie film and hundreds of colored slides of this rare journey and they

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will be shown upon completion of the editing.

Dr. and Mrs. Hasselmann had as their guests at this dinner meeting, Dr. Hasselmann's sister, who accompanied them as far as Europe on their trip behind the Iron Curtain.

Among the alumni and guests present were: I. W. Alcorn '22; Sam Barco '55; Mr. and Mrs. James Chaney '48; E. L. Claridge '39; Mr. and Mrs. Kent Howery '60; Leon Johnson '32; Mrs. and Mrs. Albert Kidwell '40; Mr. and Mrs. Dan Martin '52; Mr. and Mrs. Dennis McColgin '48; Mr. and Mrs. Harlan Miller, U. of Mo., Columbia; Mr. and Mrs. P. J. Moore '39; Mr. and Mrs. James Paul '43; Ed. Rassinier '42; Mr. and Mrs. Marvin Smith '50; Mr. and Mrs. Ronald Tappmeyer '47; Rolla T. Wade '31; Mr. and Mrs. J. R. Whanger '48; and Ike Edwards from the UMR campus.

Dallas Meeting

On October 4th, MSM alumni gathered for a breakfast in Dallas, Texas. This alumni meeting was held during the convention of the Society of Petroleum Engineers. Some twenty alumni turned out at an early hour to renew old acquaintances, make new acquaintances, discuss their professions and the school which is rapidly growing. Ike Edwards, Executive Secretary of the MSM Alumni Association and Professor E. Carlile, from the UMR campus, were present to impart information about the school in the short time available.

Among those present were: K.F. Anderson '42; R. M. Brackbill '42; J. R. Brady '51; F. L. Carpenter '38; J. D. Doane '52; Jack B. Dowell '54; W. F. Ellis '48; William H. Feldmiller '54; Mack Glasscock '51; Don R. Greenwalt '57; Byron L. Keil '52; Vernon T. McGhee '42; John I. Moore, Jr. '32; James R. Paul '43; Ed. Rassinier '42; Roger J. Schoepel '52; T. A. Ruppert '52; Joe A. Stoll '57; and M. C. Zeid '51.

Crash Fatal to Two

Tragedy marred the Homecoming activities at UMR, October 22, when James Wright '57, age 36, was killed enroute to a reunion at the Lion Den at the Lions Club Park on the out-

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skirts of Rolla. Also killed in the accident was Mrs. Donna June Agers, age 29, the wife of Donnell Agers '59. Donnell was driving the automobile.

The accident occurred about 8:30 p.m., shortly after the 1956 Championship football team's reunion dinner at Zeno's. Mr. Wright and Mrs. Agers were killed almost instantly. Agers was treated for severe laceration and shock at the Phelps County Memorial Hospital and released.

Mr. Wright's plans to come to Rolla developed at the last minute as he was being transferred by his company, Hagan Controls Corporation, to a new post in Connecticut. He arrived in Rolla at the halftime of the UMR-Warrensburg football game. Mrs. Wright did not accompany him to Rolla.

A graduate of Ritenour High School, St. Louis County, Jim was a three-year letterman at Rolla. He served with the U.S. Army for four years during the Korean conflict and entered MSM in 1953. He first played end for the Miners but did not become a star until he was switched to tackle during his sophomore year, and was all-MIAA conference tackle and co-captain of the 1956 Miner football team.

Mr. Wright is survived by his widow and five children.

Mrs. Agers was the former Donna June Smith of Belle, Missouri. Surviving are her husband and three children.

Representing the school at the funeral services were; Athletic Director, Gale Bullman and Mrs. Bullman; football coach, Dewey Allgood and Mrs. Allgood; Thomas J. Herrick '58, a team mate of both Wright and Agers, and Jerome T. Berry '49, representing the Alumni Association.

Professor Cagg Dies

Miles H. Cagg, 78, died October 12, 1966 shortly after entering the Phelps County Hospital. He became ill at his home, 639 Salem Avenue.

Professor Cagg, Professor of Languages, at MSM, retired from the faculty September 1, 1958. He became an instructor at Rolla, September 1, 1927.

His wife was a patient at the Phelps County Hospital recovering from surgery at the time of Mr. Cagg's death.

A 1917 graduate of Ohio University, in 1921 he received his M.A. degree from Ohio State University. He taught at Athens, Ohio High School, Alma College, Alma, Michigan and Ohio Wesleyan College before coming to Rolla. He was a member of Phi Delta Kappa, honorary education fraternity, and Phi Kappa Phi, national scholastic honor society.

He was a member of the First Presbyterian Church, Rolla Lodge, No. 213, A.f. 6 a.m., and was a 32nd degree member of the Scottish Rite. He was a veteran of World War I.

He is survived by his widow, two daughters, Mrs. Ruth Johanboeke, of Kirkwood, Mo., and Olive Ann Cagg, of the home; and a brother Emmett Cagg, of Nelsonville, Ohio.

Brig. Gen. Heiman Dies

David W. Heiman, Brig. Gen. U.S.A. (Ret.) Associate Director, Industrial Research Center, UMR, died September 18 at Fitzsimmons General Hospital, Denver, Colorado. He was admitted to the Fort Leonard Wood Hospital, June 1, and transferred to Fitzsimmons, June 6. He was 59.

He was a graduate of the U.S. Military Academy, West Point; the U. of California with a B.S. in Civil Engineering; the U. S. Army Engineer School, Fort Belvoir, Virginia; the Command and General Staff College, Leavenworth, Kansas, and the 120th Advance Management Program, Harvard U. He served 33 years in the Army Corps of Engineers.

He retired from the service in 1961 at which time he became vice president and then president of Royer and Roger, Inc., New York. On December 1, 1964, he assumed his duties as associate director of the industrial research center at UMR.

He is survived by his widow, Elizabeth; one son, three daughters and three brothers. Burial was in the Arlington National Cemetery, Arlington, Va.

Miners Chalk Up 2 Wins

By the end of October the Miners had completed seven of their ten football games scheduled.

There were four new names added to the Miner schedule this year and one old and familiar one, Washington University, was deleted until 1968.

The first new opponent was Harding College, Searcy, Arkansas, on their home ground. The freshman packed Miner team exhibited a good potential against their new opponent who is tops in their conference. The final score, Harding 31, Miners 13.

The second game was with an old rival, Kansas State College, Pittsburg. The Miners seemed to find their right combination and the first half ended, 23 to 7, with the Silver and Gold on top. The second half opened with the Gorillas scoring. The Miners were plagued with injuries throughout the remainder of the game and the contest ended 35 to 23 in favor of Pittsburg.

Game three was with a new opponent, Missouri Valley College, Marshall, Missouri. This was the inaugural game at the new Jackling Field in the sports area on the UMR campus. It was cold and windy in the new 4,000-seat stands and the action was fast and furious on the field. The Miners took to the air for two T.D.'s and running-out two more. Verdi contributed with a 20-yard field goal and two PAT's. The Vikings scored with one minute left in the first half. This was their first and last of the game and the Miners had victory to their credit, 29 to 7.

The next contest was at Liberty, Missouri with William Jewell. The Miners scored their second consecutive victory. The half ended 7 to 6 in our favor. T.D.'s were traded in the second half. The score was tied until the final quarter with 40 seconds to play. The ball on the Miner's 18-yard line, Adrain booted the field goal for a 16 to 13 Miner victory.

The Miners entered conference competition on October 15th, with the Bears of Southwest Missouri State Col-

lege. The Miners took the lead with Art Verdi's 36-yard field goal. The pass interceptions by the Bears killed the Miners. Three of Ronnie Lewis' tosses were tipped by the intended receivers to the opposition and four of the six interceptions set up touch-down plays. Bear Quarterback Wheeler swiped three and sep-up two scoring plays. Final score Bears 39; Miners 10.

The second conference game was at the new Jackling Field before a Homecoming crowd of 5,000. The Warrensburg Mules were our opposition and they were down 20 to 0 at the end of the first quarter. In the second quarter deadlock was held by both teams. Early in the fourth quarter a Repp to Carlson pass play scored for the Mules. Two minutes later Repp ran a short 7 yards to tally and the conversion was made, bringing their total to 28. With 4½ minutes left to play Miner Blazek recovered a blocked kick in the end zone. A pass attempt for the extra point failed as the Miners lost, 28 to 26.

The Cape Girardeau Indians were next on the schedule with the game on their field. Larry Oliver was the target of Ron Lewis' passing attack. Even the 281-yard aerial offense couldn't stop the Indians. Cape scored the first four times they had possession of the ball and lead 21 to 0 at the end of the first quarter. The second quarter ended 28 to 7. Ronnie Lewis completed a record number of passes, 23, and combined with sophomore Jim Bensko attempts for a total of 50, set a new single game school record. Completed passes were 27.

The Miners led the Indians 23-18 on first down but the foes intercepted six passes. The record breaking total of 281 yards passing combined with 95 yards rushing was not sufficient to win against the Indians 342 yards total offense. Final score 49 to 13.

The team has equalled last year's record with two victories. Three games remain to be played and two of them are conference contests. The other is with Bradley University, a newcomer in the roster of Miner football games.

ENGINEERS WANTED

For information about these positions please contact Assistant Dean Leon Hershkowitz, UMR, Rolla, Missouri and give file number.

ENGINEER - Large chemical company. Experienced and non-experienced. Every field. Midwest and south. Refer File No. 119.

CHEMICAL - Water treatment, corrosion, air pollution and development of instrumental analysis in connection with modern power plants. St. Louis area. Refer File No. 120.

DIRECTOR - School Buildings and Grounds. St. Louis County. Refer File No. 121.

APPLICATIONS - Chem.; Ch.E. Midwest. Corn and soybean products. Refer File No. 122.

MECHANICAL - Prefinished metals in both Coils and Sheets. Midwest. Refer File No. 126.

ENGINEERS - All types. Good salaries. Experienced and non-experienced. Virginia and Carolinas. Refer File No. 127.

ENGINEERS - Technical center. Large glass company. Also scientists. Midwest. Refer File No. 128.

PLANT ENGINEER - C.E.; M.E.; Ch.E. Manufacturing process of portland cement from the quarry to the finished product. Refer File No. 129.

ENGINEERS - Interested in construction work. Prestressed Casting business. Refer File No. 130.

ENGINEERS - Large oil and pipe line company in Pa. Refer File No. 131.

ENGINEER - Large food corp. Also scientists for R. & D. Refer File No. 132.

ENGINEER - Electrical Mfg. Specialty type motors in large quantity. Midwest. Refer File No. 133.

ASS'T CHIEF - Eng. Div. V.A. Hospital. Refer File No. 134.

ELECTRICAL - Maintenance sup't. and plant engineer. Large bottling company. St. Louis. Refer File No. 135.

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CIVIL - Sanitary, power and special projects. Consulting engineering firm. Kansas City, Missouri. Refer File No. 136.

SALES - Electronic equipment to M.D.'s and Ph.D.'s in Medical Research, Physical Science and Clinical Medicine. Refer File No. 137.

CIVIL - Engineering Division of the Public Works Department. Large Mo. city. Refer File No. 141.

CH.E. - Large food processing company. Chicago area. Refer File No. 142.

ENGINEER - Product Development and Application. Company manufactures heat transfer coils for use in air conditioning and refrigeration products. Refer File No. 143.

ENGINEER - Planning and Research activities of the St. Louis County Division of Traffic. Refer File No. 144.

DESIGNER - Steel structures. C.E. Refer File No. 145.

ENGINEER - Reliability and Maintainability. U.S. Army Management Engineering Training Agency. Refer File No. 146.

ENGINEERS - Manufacturer of large machinery. Midwest. Refer File No. 148.

MINING - Background in Mining Geology. Concerned with the production of salt cake. Refer File No. 149.

JR. ENGINEER - Public works dept. Large city. Midwest. Refer File No. 150.

RESEARCH - R. & D. bonded abrasives. Refer File No. 151.

ENGINEERS & SCIENTISTS - Large rubber company. Good salaries. In Ohio. Refer File No. 153.

MINING - C.E.; M.E.; Jr. mining engineer. 1-5 years experience. Assist mine engineer in all engineering activities of design and development. Utah. Refer File No. 147.

MARRIAGES

Corrigan

John E. Corrigan '65 was married in St. Charles on August 28, 1965 and received his Master's degree in October 1966

Electrical Engineering from UMR, June 1966. He is employed as an Engineer at McDonnell Aircraft Corp., St. Louis, Mo.

Austin-Anthes

Thomas E. Austin, III, '65, and Miss Kitty L. Anthes of St. Louis, Missouri, were married September 17, 1966, at the Grace Methodist Church, St. Louis. The bride is a graduate of the Jewish Hospital School of Nursing, St. Louis. Tom completed his M.S. degree at Georgia Tech. and is now pursuing his Ph.D. degree, under a NDEA Fellowship. Their address is Georgia Institute of Technology, Box 37681, Atlanta, Georgia.

Stalling-Zimmerman

Paul D. Stalling, '59 and Miss Judith Lynn Zimmerman, a graduate of the University of Denver, were married June 25, 1965. Paul is a senior electronic design engineer with International Resistance Co., Inc., Burlington, Iowa. Their address is 800 North 3rd St., Apt. 6., Burlington.

Robinson-Holmes

Leland G. Robinson '60 and Miss Karen E. Holmes, of Barberton, Ohio, were married July 17, 1965. Leland is resident engineer at Delco Remy Division of General Motors in Anderson, Indiana. They reside at 2308 Highland Avenue, Anderson.

Bugg-Rossnagel

Donald Bugg '65 and Miss Jeanine Rossnagel, both of Affton, Missouri, were married on August 20, 1966 in the Christ Memorial Lutheran church. Mr. Bugg received his M.B.a. degree in August 1966 from Purdue University. Miss Rossnagel received her degree in nursing this spring from Deaconess hospital, St. Louis. Donald is presently employed with Dow Chemical Co., in Midland, Michigan.

Oppliger-Rudroff

Donald R. Oppliger '66 and Miss Margaret Ann Rudroff, of Rolla, Mo., were married August 27, 1966, at the

St. Patrick's Catholic Church. Donald is a graduate assistant at UMR working toward his Master's degree.

Mansbridge-Embury

Herbert L. Mansbridge '61 and Miss Gwendolyn Embury, San Jose, California, were married, July 2, 1966. Herbert is assistant civil engineer with the Department of Water Resources, State of California. He was promoted to Lieutenant in the Civil Engineer Corps of the U.S. Naval Reserves on August 24th. His address is Apt. 0, 1731 Rogers Place, Burbank, California.

Bennett-Hanisch

Garry A. Bennett '65 and Miss Jane Edna Hanisch were married September 3, 1966, in Cedar Falls, Iowa. The bride is a graduate of State College of Iowa, Cedar Falls. The newlyweds are graduate students and assistants at UMR. Garry is in bio-chemistry and Mrs. Bennett is in geochemistry.

Anderson-Frazier

Jerry M. Anderson '65 and Miss Julie Frazier, of Rolla, Mo., were married in June. Jerry is with the Caterpillar Tractor Company as design engineer. He completed their one-year technical training program, in June, and is assigned to Decatur, Illinois. His address is 17 E. Drive.

Conley-Brittain

Carl Dale Conley '64 and Miss Kathleen Brittain, of Shreveport, Louisiana, were married September 25, 1966, in Shreveport at the Parkview Baptist Church. Carl is with Howard, Needles, Tammen and Bergendoff, consulting engineers, and is currently assigned to a project in Council Bluffs, Iowa.

Cooper-Cook

Gerald Lee Cooper '65 and Miss Andela Marie Cook, of Fredericktown, Missouri, were married August 20, 1966. Mrs. Cooper is a graduate of Southeast Missouri State College, Cape

Girardeau and will teach home economics in the Hancock School in St. Louis County. Gerald is a hermetic application engineer with Emerson Electric Company, St. Louis, Mo.

Umphrey-Miser

Ronald W. Umphrey '66 and Miss Carol D. Miser, of Kansas City, Missouri, were married August 6, 1966, in Kansas City. The bride is a graduate of Sterling College, Sterling, Kansas, and is teaching in the schools of Atlanta, Georgia, where the groom is beginning to work toward the M.S. degree in mechanical engineering at Georgia Tech. The couple are at home in Atlanta, 1970 Northside Drive, N.W.

Siesenno-Pratt

Wayne W. Siesenno '61 and Miss Joanne E. Pratt, of Fox Point, Wisconsin, were married recently in the North Shore Congregational Church, Milwaukee, Wisconsin. The newly-weds spent their honeymoon in the west. After October 1st, they will live in Glasgow, Scotland, where the groom will study on a post-doctoral fellowship at the University of Strathclyde. Wayne has his M.S. and Ph.D. degrees from the University of Illinois. The bride is a graduate of Smith College, Northampton, Mass., and holds a master's degree from the University of Illinois. She made her debut at the Service Club's Charity Ball and was introduced at a tea dance at the University Club of Milwaukee.

BIRTHS

Mr. and Mrs. John O. Richey '58 are very happy to announce a new addition to the family. David Owens, born March, 1966. Donna Louise and Charles Andres complete the circle. John is an Engineer with the State of Missouri Public Service Commission and they reside at 1120 Darlene, Jefferson City, Missouri.

Mr. and Mrs. Bruce A. Betts '63, announce the birth of their second child, Debra Edith, born June 12, 1966. Debra's brother, Brian, is 2 years old. They are living at 26 Rolla

Gardens, Rolla, Mo. Bruce is working on his Ph.D. in nuclear engineering.

Mr. and Mrs. Nicholas J. Alonge '65, are parents of Nicholas J. Jr., who arrived July 16, 1966. Their daughter, Kathy, is one year old. The father is a metallurgist with Chevrolet Gear & Axel Division of General Motors, Detroit. Nicholas just completed the college graduate training program. The Alonges reside at 12179 Whithorn, Detroit, Michigan.

Mr. and Mrs. William T. Harris, Jr., '62, are the proud parents of Yvette Marie, born September 7, 1966. She joins a son, William III, who is two years old. They are living in Rochester, New York, 23 College Complex Circle, Apt. 5, Bldg. 7. William is a process engineer in research and design at Eastman Kodak Co.

Mr. and Mrs. William A. Henning '61, welcomed into their family, on September 23, 1966, a son, Robert August. Their daughter Sandra Jean, will be 2 years old in December. William is general foreman-melting at Chevrolet Foundries. Their address is 4120 Clement Drive, Saginaw, Michigan.

Mr. and Mrs. Richard K. Brockman '62, announce the birth of Diane Ruth, on August 25, 1966. Diane has a sister, Karen June, who is 3½ years old. Richard is senior project engineer at General Motors Proving Ground, Milford, Michigan. He was just recently promoted to that position. They reside at 215 First St., Milford.

Mr. and Mrs. Leroy W. Hake '62, have a new daughter, Shelly Sue, born August 22, 1966. Their other daughter is Melissa Ann, 3½ years old. Leroy is plant resident engineer for Delco Remy Division of General Motors Corp. Their address is 3217 Meadowcrest Drive, Anderson, Indiana.

Mr. and Mrs. David M. Lewis '61, welcomed their first child, David Montgomery, June 4, 1966. David is with Sverdrup & Parcel and Associates as a senior engineer. They reside Rte. 2, Box 42, Waterloo, Illinois.

Mr. and Mrs. Edward Raney '64, have a daughter, Cheryl Jane, born September 19, 1966. Ed is a construction engineer. The Raney's home ad-

dress is 503 Pomona, Apt. 4, Oroville, California.

Dr. and Mrs. Doyle R. Edwards '59, announce the arrival of their second son, Kevin Bennett, October 13, 1966. Dr. Edwards is associate professor at UMR in charge of the nuclear reactor. Their address is 54 Nancy Lane, Rolla.

DEATHS

Earle G. Parmenter '48

Earle George Parmenter '48 was killed in a one-car accident on Highway 69 in Overland Park, Kansas, August 26, 1966. He was an electrical engineer in the sanitary division of Black and Veatch, consulting engineers in Kansas City, Mo. He has been employed with that firm for 18 years. Mrs. Parmenter who was riding with her husband suffered scalp cuts. He was a member of the Institute of Electrical and Electronic Engineers, the National Society of Professional Engineers and the Missouri Society of Professional Engineers, and was a registered engineer in Missouri. Also surviving are two sons; his mother and his father.

Clark C. Bland '17

Clark C. "Pitts" Bland '17, died September 13, 1966, at the Barnes hospital, St. Louis, where he had been a patient for a month suffering from a lung disease. He was president of Bland & Co., an insurance agency. His son, Charles was engaged in the business with him. He entered the insurance business in 1919 and formed his own agency in 1928. "Pitts", as he was affectionately known, was a member of the famous 1914 football team whose enviable perfect season included victories over Washington U., Arkansas U., Missouri U. and St. Louis U. He was a member of the Insurance Board of St. Louis, the Missouri Athletic Club and the Chamber of Commerce of Metropolitan St. Louis. He was a 32nd Degree Mason. He is survived by his widow, Mary Shaw Bland, his son Charles H., and two granddaughters.

Thomas Witt Leach '20

Thomas Witt Leach '20, died of a heart attack September 7, 1966, on the way to his office in Bismarck, North Dakota. Leach, 69, as the geologist

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who was chiefly responsible for the discovery and opening of the giant Williston Basin oil field that spans areas of North Dakota, Montana and Manitoba, Canada. A surface geologist, Leach spent many years working in south central Oklahoma. He found several oil pools in Creek, Okmulgee, Hughes and Okfuskee counties. He was born in Lacrosse, Wisconsin, moving to Pine Bluff, Arkansas when he was 5 years old. He was associated with Transcontinental Oil Co., Tulsa, from 1920 until the firm merged with the Ohio Oil Company in 1930. After the merger he became a consultant. On his first trip to North Dakota, he saw possibilities of oil but could not interest his superiors at Transcontinental. When oil finally was found in the basin in 1951, Leach held leases on much of the acreage around the original find. In a few years he had built a fortune in leases and royalty blocks. He formed the North American Royalties, Inc., after the discovery, to consolidate his holdings in the basin, which included more than 150,000 acres of leases. He was a veteran of both World War I and II and was a member of many professional and social organizations. He is survived by his widow, Francis Land Leach, Leach Ranch, Box 1476, Bismarck, N.D., and his mother, Mrs. Fred Leach, Pine Bluff, Ark.

Horace R. Stahl '18

Horace R. Stahl '18, died October 8, 1966. He was retired after having served as mill superintendent for the St. Joseph Lead Company. He was residing at 13 Mill Street, Bonne Terre, Missouri, at the time of his death.

C. R. Cameron '23

Campbell R. Cameron '23, died in a hospital in McAlester, Oklahoma, on March 5, 1966, following a short illness. Mr. Campbell was Division Superintendent of Lone Star Steel Company.

John E. Weber '28

John E. Weber '28, passed away September 30, 1966 after a coronary thrombosis. He worked for St. Joseph Lead Company from 1928 until his retirement 8 years ago. He was a member of the MSM Alumni Association. Surviving are his widow, Eleanor M. Weber, Bonne Terre, Mo.; and four

children, John Joe, Farmington, Mo.; William James, UMR '53, Littleton, Colorado; Mrs. Richard W. A. Spencer, Huntington, W. Va. and Mrs. Michael Watson, Slinger, Wisconsin.

Lewis J. Gleason '39

Lewis J. Gleason '39, died of a heart attack, caused by a blood clot on March 27, 1965, at the age of 48 years, in Hebo, Oregon, while on a vacation. He had been ill for some time but was able to continue working as an operating assistant in the Light Oil Division at the Standard Oil Company's refinery in Richmond, California. He is survived by his widow, Harriet, his father August W. Gleason '15, and sister Barbara, who is now Sister Ann Frances, principal of Loretta High School, Louisville, Kentucky. Mrs. Lewis J. Gleason, 2848 Colusa Avenue, Pinole, California, would be happy to hear from any of Lewis's MSM friends and classmates.

Alumni Personals

1914

Gilbert Metz and his wife returned in October from a ten-week European tour. The trip over was made by boat to England; motor coach to Edinburgh; channel steamer to Holland; rail to Brussels, Luxembourg, West Germany, Salzburg, Vienna, Venice, Florence, Rome, Genoa; motor coach to Monte Carlo and Nice, then Geneva and Switzerland, back to Paris and boarded the steamer at LaHavre for New York and arrived back in Vero Beach, Florida on Gil's 77th birthday, October 17th. Both he and Sarah agree it was a marvelous guided tour with plenty of time at first class hotels for rest and relaxation.

1915

August W. Gleason is now retired and residing in Mexico. His address is Higo 306, Chapala, Jalisco, Mexico.

1918

Raul Chavez just returned from a trip behind the "Iron Curtain." He covered the two Berlins, Poland and

Russia. It gave him an opportunity to obtain a good idea of the country. He visited the famous salt mines of Wieliczka, Poland, and many other interesting places, but the most breathtaking place was the concentration camp at Auschwitz, in Oswiecim, Poland, where it is claimed that over two million Jews were incinerated after they were forced to pass through gas chambers. He states it certainly horrifies a person when you see the evidence of everything you have read about Auschwitz. Raul's address is 4708 Juarez Avenue, Chihuahua, Chi., Mexico.

1927

James F. Smith, manager of the Columbia Falls, Montana plant at Anaconda Aluminum Company and an ACC vice president, has been promoted to vice president of alumina and primary metals effective in June. Mr. Smith will be moved to Louisville, Kentucky, in September, and is responsible for procurement and processing of basic raw materials as well as reduction of primary metal.

1931

Clyde
E.
Wilhite



Clyde E. Wilhite, chief of safety for the U.S. Army Corps of Engineers' Southwestern Division in Dallas, has retired after 30 years of federal service. Mr. Wilhite began his federal career in 1934 with the U.S. Forest Service, then was with the Soil Conservation Service, the Army's Constructing Quartermaster, the Corps of Engineers, and the Air Force's Air Defense Command at Colorado Springs, Colorado. From 1959 until 1963 he was stationed in Honolulu, Hawaii, as chief of safety for the Corps of En-

gineers' Pacific Ocean Division. In that job he was responsible for the use of safe construction methods of military construction in Korea, Japan, Okinawa, Taiwan, Kwajalein Atoll and the Hawaiian Islands. During World War II he was chief carpenter's mate in the Navy Seabees. In 1951 he was commissioned a major in the Corps of Engineers, U.S. Army Reserve. He formerly owned and operated the Tarryall River Dude Ranch near Colorado Springs. He and his wife will retire in Hawaii after making a South Seas cruise.

1933

Harold Melvin Griffith has been named the new president of the Steel Company of Canada, Ltd., the largest steel company in Canada. He is the first steelman to admit he would rather swelter in the heat of the open hearth than recline in the chair of a broadloomed office. When he was vice-president of operations in 1962 he won the Benjamin F. Fairless Award. He has many, many accomplishments to his credit in the steel industry. Stelco's latest iron ore venture, the 600 million mine, mill and pelletizing plant at Bruce Lake in northwestern Ontario will be known as the Griffith mine.

1934

Walter S. Schamel, Jr. was an alumni officer visitor in September. Walt is now Manager, Fabric Filters with Research-Cottrell, Inc., Bound Brook, New Jersey. John K. Schork '47, is president of this company. Walt's son, Walter, is back from Viet Nam, out of the Army and a student at UMR this fall. His other son, Chris, is at the U. of Maryland. Walt's present address is Box 750, Bound Brook.

1939

E. L. Claridge has been appointed a senior research associate at Shell Development Company's Houston, Texas, Laboratory. Claridge joined Shell soon after graduation and has served in positions at the Houston Refinery, Wood River, Illinois, Refinery, the New York Head Office, and abroad.

Edgar F. Pohlmann is a resident engineer with the U. S. Information Agency in Thailand. He is building a megawatt radio station involving a transmitter and receiver site. Both sites are located in rice paddy land and they pose many interesting and difficult foundation problems. Working with the Thai's is an enjoyable experience. His address is in care of USIS/T, APO San Francisco, California 96346.

1943

Donald J. Coolidge, Jr., received a "spread" in the August issue of the "Triangle Review." The article relates that Don is a citizen of Anchorage, Alaska, one of the world's busiest crossroads, the intersection of great circle routes between the Orient and the Occident and over the North Pole. He has been there since 1949, and is a partner in the firm Coolidge and Mayo, architects, and lives in a suburban house overlooking Jewel Lake with his wife Helen, daughters Cathy, who is in the fifth grade, and Carolyn, a second-grader, and a son David, 4. Though a young firm, they are designing a half-million-dollar office building for the Tyonek Indian Tribe. Don's residence, which he and his wife designed, withstood the 1964 earthquake. Don has his M.S. degree from Northwestern where he met his wife who was studying nursing. Later he took further architecture training from the University of Oregon. Apparently earthquakes and cold weather is no deterrent for a rugged Rolla Miner. Their address is Box 2006, Anchorage, Alaska.

1944

James D. Gostin is employed by the Alcorn Combustion Company, 2500 West 6th Street, Los Angeles, California. The company designs, manufactures and installs fired heaters for the petroleum, chemical and petrochemical industries. James has spent the last twenty-two years promoting the sale of rotating machinery and has been presently assigned as Pacific Coast Manager. James and Theda wish to say hello to their many UMR friends and extend an invitation to those who may

be travelling in California to come by and visit with them. They reside at 1520 Loganrita Avenue, Arcadia, California - 23 miles northeast of Los Angeles. Their home telephone number is 213-446-5948. They report that their daughter Sandee is almost twenty and has completed two years at Citrus College. David is fifteen and a Sophomore at Arcadia High. Sharon is four and is in the process of completing her first year at nursery school.

1946

Donald I. Meyer took his sabbatical leave from the University of Michigan, in the spring semester of 1965-66, to be a visiting scientist at CERN (Conseil European pour la Recherche Nucleaire) in Geneva, Switzerland. He has received a promotion to professor at the University of Michigan effective last spring. His address is 2740 Parkridge Drive, Ann Arbor, Michigan.

1948

O. S. "Bud" Ayers has been appointed District Engineer of District No. 2, Missouri State Highway Department. He was formerly assistant division engineer in maintenance and traffic in the headquarters office in Jefferson City. He succeeds Ben F. Leslie who is retiring after 45 years with the Department. Ayers went with the Highway Department after graduation and his tenure has been continuous with the exception of one year of military leave. He has held many responsible positions with the Department. District No. 2 comprises 11 north central Missouri counties. He will supervise 2,858 miles of state highways which includes 648 miles of major system route. There are ten districts in the Missouri Highway Department. Mr. and Mrs. Ayers and their son David, 17, will make their home at 1204 Englewood Drive, Macon, Missouri.

Robert H. Flynn has been named assistant division superintendent - Power & Fuel Division, U.S. Steel's Gary, Indiana, Steel Works' Power & Fuel Division. Flynn, a native of St. Joseph, Missouri, joined U.S. Steel's Gary Steel Works in 1948 as a fuel engineer. In 1950, he was promoted to manage-

ment as foreman-field and instruments. After progressing through various positions including assistant superintendent and later superintendent-gas engine and gas washers department, he became superintendent of mechanical operations, maintenance department in 1963, the position he held prior to his present appointment. His entire Corporation experience has been devoted to the Power and Fuel Division. Flynn and his wife, Cecile, reside at 749 Fillmore Street, Gary. They have seven children.



Robert
H.
Flynn

1950

Edward P. Lasko is a Senior Metallurgist doing Failure Analyses in the Materials Development Laboratory at Pratt-Whitney Aircraft Research & Development Center.

William G. Barker has been promoted to Manager, Waste Control Department, at Abbott Laboratories, North Chicago, Ill. In his new position, he will be responsible for waste control and disposal at Abbott facilities in North Chicago, and Wichita, Kansas. He also will serve as an adviser to company manufacturing operations throughout the world. He joined Abbott in 1952 as a development engineer conducting process design and development studies. Prior to that, he served for several years with U.S. Navy Hospital Corps and with Armour and Company. He has authored or co-authored several technical papers on industrial waste control. His present address is 2747 West Bonnie Brook Lane, Waukegan, Illinois.

Thomas A. Holmes has been selected as one of 160 business executives and government officials from the

U.S. and several foreign countries to participate in the 50th session of Advanced Management Program of the Harvard University Graduate School of Business Administration. The 13-week course, oldest and largest resident management development program in the United States, is designed especially to prepare executives in, or approaching, top management positions to exercise full leadership responsibility in an age of unprecedented change and challenge. Mr. Holmes is with Ingersoll-Rand Company. His address is 519 Easton Road, Reigelsville, Pa.

Leland F. Belew, Manager of the Saturn/Apollo Applications Program in the Marshall Space Flight Center Industrial Operations, has been presented the National Aeronautics and Space Administrations Exceptional Service Medal. The presentation was made in Washington, D.C. Belew, who directed the development of the main propulsion systems for Saturn rockets before his present assignment, was cited "for distinguished service and invaluable individual accomplishments in the aerospace technological programs of the NASA, especially for his significant contributions to the Mercury-Redstone, Centaur, Saturn I, Saturn IB and Saturn V launch vehicle program through his direction and management of propulsion systems development for test vehicles." The Belews have two children, Melinda Jane 14; and Melanie Ann 11.

1951

Val H. Stieglitz, Jr., is senior project engineer in the construction of a petro-chemical plant in England. He is with Bechtel International Ltd. with headquarters at Bechtel House; 35/38 Portman Square, London, England. There are four children in the Stieglitz family; Val III, age 14; Frank, 11; Elizabeth 9, and William 2.

Dr. M. Dean Kleinkopf has joined the U.S. Geological Survey as a research geophysicist with the branch of regional geophysics, headquarters, Denver, Colorado. He recently resigned from Standard Oil Company of California in La Habra, California. His

address is U.S.G.S., Building 25, Federal Center, Denver.

Joseph P. Berley is with Douglas Aircraft Company in Long Beach, California. He is doing stress analyses on Douglas' DC-8 and DC-9 commercial aircraft. He lives at 4891 Hilo Circle, Huntington Beach, California.

Elmer D. Packheiser has recently been placed in charge of the Chairman of the Design Change Boards in the Special Military Space Departments of the Missile and Space Division of General Electric Co. He is located in Philadelphia, Pennsylvania, and his residence address is 4 Monte Vista Drive, West Chester.

1952

Dr. Roger J. Schoepel is employed with the Oklahoma State University, School of Mechanical Engineering, Stillwater, Oklahoma. His new job entails working and teaching in systems analysis and design, and he will serve as back-up in petroleum engineering teaching and research.

1953

William E. Patterson was transferred, effective August 1, from Shell Development Company, Production Research, in Houston, Texas, to the Corporate Economics Department, at Shell Oil Co., 50 West 50th St., New York, N.Y. He was also promoted from senior reservoir engineer to staff exploration engineer. He had started to work on a MBA degree at Fairleigh Dickinson University. His address is 39 Columbia Ave., Cliffside Park, New Jersey.

1954

Dr. Gajendra Nath Mohanty is a refractories engineer at Hundustan Steel Limited, Ranchi-2, Bihar, India. He also does design and consulting engineering services.

Richard C. Kolb is a results engineer with the Public Service Company of Oklahoma. The Kolbs reside at 4316 South Lawton, Tulsa, Oklahoma. Mrs. Kolb is the former Erma Lee Denny. They have two boys, Denny,

8, and Richard 6 years.

Kenneth D. Cole is resident engineer, U.S. Army Corps of Engineers, in charge of all Corps of Engineers work at Wright-Patterson AFB, Ohio. His address is 4601 Nowak Avenue, Dayton.

1955

Herman A. Ray is Supervisory Hydrologist, Chief, Basic Data Section of the Sacramento Sub-district Office, U.S.G.S. Water Resources Division. He directs the basic data program for the sub-district as supervisor of about 40 engineers, chemists and hydrologists involved in the collection, compilation, and evaluation of data concerning the water resources of California. He is a Registered Professional Engineer in Missouri and a member of the American Society of Civil Engineers. His address is 1270 Meredith Way, Carmichael, California.

1958

Donald E. Modesitt is on leave of absence from UMR to work on a Ph.D. degree in bio-engineering at Oklahoma State University. He also has a teaching assistantship there. The Modesitts have a third son, Paul David, born in May. This past summer Donald worked on reservoirs for the Colorado River Basin Project. Their Stillwater, Oklahoma address is 2019 W. Sherwood.

James E. Twyman has been promoted from senior experimental metallurgist, Allison Division, General Motors Corp., to staff metallurgist, Air Preheater Co., Inc., Wellsville, N.Y.

1959

Anthony E. Hoffman received his Ph.D. degree in mathematics from the University of Nebraska, in June 1966, and has accepted a two-year appointment as assistant professor in the Mathematics Department at the University of Colorado. His address is 2900 Aurora, Apt. 143, Boulder, Colorado.

Paul H. Roberts has been with the Nebraska Oil and Gas Conservation

Commission for the past six years, and lives at Sidney, Nebraska. As an avocation he raises Arabian horses on a small ranch near Sidney.

Robert J. Baker is a graduate student in physics at St. Louis University. He expects to receive his Master's degree in January 1967 and pursue his Ph.D. at the University of Florida.

Craig E. Bierbaum is field service engineer for McDonnell Aircraft Corporation, St. Louis, Mo., and is now field representative on the Phantom II aircraft at RAF Alconbury, England. His address is Box 509, APO, New York, N.Y. 09238.

Mike J. Higgins is now with Phromet Company as production metallurgist at San Carlos, California. He changed to this new position about a year ago. The Higgins' have two children ages 3 and 1½ years and reside at 10807 E. Estates Drive., Capertino, California.

Lee Courson, Jr. has been named plant manager of the A.P. Green Refractories Co., Climax, Pennsylvania Division. The Climax plant, which manufactures most of the Bessemer tuyeres used in the steel industry today, also produces low, medium and high duty refractories plus checkers, cupola blocks and ingot mold plugs.

1960

George E. Stourton has been promoted to Chief of Engineering for the St. Louis Clearance for Redevelopment Authority and the St. Louis Housing Authority.

Bruce L. Bramfitt, who received his Ph.D. in Metallurgical Engineering at UMR in June, has accepted a position with Bethlehem Steel Corporation in their Homer Research Laboratories, Bethlehem, Pennsylvania. He is in the alloy development group of the physical metallurgy section. His initial project deals with basic research on the iron-carbon intertid transformation. His wife, Joan, is teaching in the Emmons High School. Their new address is Sanbrook Apartments, B-5, Black River Road, RD 4 Bethlehem, Pa.

H. John Meyer III, is application engineer for Air Reduction Company.

He has purchased a new home for his family in Birmingham, Alabama. His address is 570 Forest Drive.

1961

James "Tex" Besleme has spent the last 14 months in Greece as a mining engineer and at present is in the process of finding employment. It won't be for long if he lets his desires be known. His present address is 1702 Avenue P., Brooklyn, N.Y.

1st Lt. L. L. Hoberock received his Ph.D., in June, in mechanical engineering at Purdue University.

Harry C. Hank has been named chrome superintendent at the Pittsburgh Plate Glass Company's chemical division plant, Corpus Christi, Texas. He joined PPG in Corpus Christi in 1961, and he has served as a chemical engineer prior to assuming the top job in the chrome unit. His address is 921 Brock, Corpus, Christi.

James L. End has moved from Louisville, Kentucky to 4800 Evangeline, New Orleans, Louisiana, and is manager, New Orleans Branch, Can-Tex Industries, a division of Harsco Corporation. The New Orleans Branch is a distribution yard for barging operations (V.C. Pipe) between Cannelton, Indiana and New Orleans.

Dr. Carl J. Wallace has joined the engineering department of the South Dakota School of Mines and Technology, Rapid City.

Jimmy C. Lemon, III, has been appointed staff engineer in System and Logic Design at International Business Machine's Electronic Systems Center in Owego, New York. He joined IBM at Owego in June 1961 as a junior engineer, was appointed associate engineer in 1963, and senior associate engineer in 1964. Jimmy, his wife, Lillie and daughters Jo Beth, Kara and Melea, live at 8 Woodside West, Tioga Terrace, Apalachin, New York.

Dennis O'Neill received his Ph.D. degree in Metallurgy, from the University of Denver in August.

George S. Hall has taken a leave of absence from Reactive Metals, Inc.,

MSM Alumnus

MSM ALUMNI PERSONALS

Niles, Ohio, and has accepted a research assistantship for graduate study at Lehigh University. His address is 328 Spring St., Bethlehem, Pa.

Dr. Neal Grannemann, Captain, U.S. Army Medical Corps, was transferred to the Research and Development Command as a research physician on the malaria project, and is presently assigned to the Division of Medical Chemistry, Walter Reed Army Institute of Medical Research, Washington, D.C. Neal, his wife, Lynn, and three children, Farrel, Eric and Sarah reside at 1614 Brisbane Street, Silver Spring, Maryland.

George W. Leck, III, received a M.S. degree in Mechanical Engineering in June from the Newark College of Engineering, Newark, N.J. He is group leader in product testing, Cities Service Oil Company, Cranbury, N.J. His address is 29 Brooktree Road, Hightstown, N.J.

1962

Donald E. Morgan who is employed with the Kroger Co. has moved with his wife, Carol, and two children, Carrie and Chris, to Louisville, Kentucky to work as Construction Engineer for their Louisville Division. He left the Illinois Division of Highways in Peoria, Illinois where he was a Resident Engineer. They will reside at 10210 Blue Ridge Court, Louisville, Kentucky 40223.

Jack H. Dell has accepted the position of Systems Engineer for International Business Machines, Data Processing Division, 6900 Fannin, Houston, Texas.

Doyle L. Chartrou has been promoted to senior engineer in the production and tool department of the Central Foundry Division of General Motors, Danville, Illinois. He joined Central after graduation and has served in several assignments in the area prior to his current promotion. He is active in civic affairs and professional societies. Doyle and his wife, Donna, have two children, Blake and Todd.

Dr. Daniel N. Payton is the co-author of a paper entitled, "Energy Flow in Isotopically Disordered Binary

Lattices," and presented it at a joint meeting of the American Physical Society, Sociedad Mexicana De Fisica, and the Canadian Association of Physicists, held in Mexico City August 29-31. He is with the Los Alamos Scientific Laboratory, Los Alamos, New Mexico.

James N. Click is now participating in a six-month training course in Arras, France. Following this he will be located in Puerto Rico to help start a nylon plant. Phillips Fibers Corporation is a subsidiary of Phillips Petroleum Company. His temporary address is Box 241, Pineville, Missouri.

Blair A. Rowley is with the Zenith Radio Corp. Chicago, Ill. They have just recently purchased a new home at 704 South 24th Avenue, Bellwood, Ill.

Donald W. Haas received his M.S. degree in Chemical Engineering from

the University of Washington in August. He began employment with Tennessee Eastman Company in September. His address is P.O. Box 3311, Kingsport Tennessee.

Jimmie McLain visited the alumni office in October with a friend. Jimmie is an engineer with Blount Brothers Corporation, Montgomery, Alabama. His address is 12 American Avenue.

1963

Van W. Brock, 3060 Blackwood Drive, Florissant, Mo., is a systems engineer with Conductron-Mo., St. Charles, Mo.

James Knox has completed his requirements for the Ph.D. degree in physical chemistry at Boston Univer-

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sity. He presented a paper before the International Union of Crystallography in Moscow this past summer. He will travel, with his wife, to Oxford University under a Public Health Service post-doctoral fellowship. His address is Chemical Crystallography Laboratory, South Parks Road, Oxford, England.

1964

Jerry Lee Arnold is going to graduate school full-time at the University of Denver, in the metallurgy department. He is doing his work on a National Science Foundation Traineeship. His address is 3750 E. Jewell, Apt. 419B, Denver, Colorado.

Larry Parkinson was an alumni office visitor in October. He is a metallurgical engineer, refining foreman, at New Jersey Zinc Company, Palmerton, Pannyslvania. He and his wife, Claudette, reside at 240 Columbia Ave., Palmerton. They are enjoying the east.

1965

Robert and Stephanie Kettelkamp reside at 101 Hooper Rd., Endwell, New York, where Robert works for IBM Electronics System Center as a Junior Engineer and Stephanie is employed with the Link Division of General Precision with the title of Engineer III. Robert received his M.S. in Electrical Engineering from the University of Florida in April 1966.

Lawrence Kong-Pu Wang is doing graduate work and working as a research assistant in the civil engineer-

ing department of the University of Rhode Island, Kingston.

Donald R. Nelson and Nicola Nelson a husband and wife team of electrical engineers has joined the Electronics division of General Dynamics. It is the first such couple to be employed by the division. Both received E.E. degrees in June. Donald completed work for his Master's degree and Nicola, her Bachelor's. Mrs. Nelson will be in the radio communications laboratory and Donald will be in the advanced development laboratory. They live at 1553 Empire Blvd., Webster, New York.

Charles R. Martin is with the Dravo Corporation, Pittsburgh, Pennsylvania. He is an estimator. His address is 5427 Youngridge Drive, No. 23, Pittsburgh, Pa.

Daniel Keith Buck is instructor of Mathematics at Virginia Polytechnic Institute. His address is 102 Mountain View Drive, Blacksburg.

Ronald R. Havener is on educational leave from International Business Machines and is enrolled at the Carnegie Institute of Technology doing work toward a M.S. degree in Industrial Administration. His address is 6658 Woodwell St., Pittsburgh, Pa.

1st. Lt. Robert H. Schlutow is serving with the 65th Engineer Battalion, 25th Infantry Division, Cu Chi, Republic of South Vietnam. He is platoon leader with Company A. His address is Co. A, 65th Engr. Bn. APO San Francisco, California 96225.

1st Lt. Richard P. Laird was promoted to this rank recently and is serv-

ing with the U.S. forces in south Vietnam. He is with the 864th Engineer Battalion (Constr.) in the Cam Ranh Bay area.

Michael S. Slapak enlisted in the U.S. Coast Guard and graduated from Officer's School, June 10, 1966. He is now stationed in the engineering department of the Coast Guard in Washington, D.C. He and his wife are living at 4105 Brooks Drive, Apt. 202, Suitland, Maryland.

William H. Branum is doing graduate work toward a Ph.D. degree at West Virginia University. His address is 2752 University Ave., Apt. 28, Morgantown, W. Va.

Captain Walter R. Jacobson has joined the department of military science at Rensselaer Polytechnic Institute, Troy, N.Y.

1966

Eugene Y. Yuh is with the Ford Motor Company in their College Graduate Program out of their Industrial Engineering Department at the Metal Stamping Division, Chicago Stamping Plant, Chicago Heights, Illinois.

Ensign Gary Koch is now in training at the U.S. Naval Auxiliary Air Station, Meridian, Mississippi, and enjoying his introduction to jet flying. His address is NAAS Box 18, BOQ C-212, Meridian.



Ensign
Gary
Koch

MSM ALUMNI ASSOCIATION

ROLLA

MISSOURI

TO

James H. Good is assistant civil engineer with the Department of Public Works, City of Los Angeles. His work is mainly street design. His address is 1726 N. Kingsley Drive, Hollywood, California.